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

AN ASCLD/LAB-International ACCREDITED LABORATORY
SINCE 11/16/2006

EXTERNAL STANDARD SOLUTION TEST REPORT

BATCH REPORT: 16021

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

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

TESTING ITEM INFORMATION
TARGET VAPOR CONCENTRATION: 0.08 g/210L
DATE PREPARED: 06/08/2016
BATCH UNITS: g/100mL
IDENTITY: External Standard Solution
PREPARED BY: Amanda Chandler

	AC	AJL	BT	LK	JLK	DCS	DN	AG
1	0.106	0.100	0.100	0.099	0.101	0.101	0.102	0.101
2	0.103	0.100	0.100	0.099	0.102	0.100	0.102	0.102
3	0.103	0.102	0.100	0.099	0.102	0.100	0.102	0.102
4	0.103	0.101	0.100	0.098	0.102	0.102	0.103	0.102
5	0.106	0.101	0.100	0.099	0.102	0.100	0.102	0.102
C	0.102	0.100	0.099	0.097	0.100	0.101	0.100	0.101

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

RESULTS OF TESTING
AVERAGE SOLUTION CONCENTRATION: 0.1013 g/100mL
STANDARD DEVIATION: 0.00169
PRECISION CV (%): 1.67
NUMBER OF TESTS: 40

EQUIVALENT VAPOR CONCENTRATION: **0.0823 g/210L**
EXPANDED UNCERTAINTY: ± 0.0040 (k=2, 95.45% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

Lisa Noble — Forensic Scientist Supervisor — 8/15/16 DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
AC	Amanda Chandler		06/08/2016
AJL	Asa J. Louis		06/27/2016
BT	Brittany Thomas		06/28/2016
LK	Lyndsey Knoy		06/28/2016
JLK	Justin L. Knoy		06/29/2016
DCS	Dawn C. Sklerov		06/29/2016
DN	David Nguyen		07/05/2016
AG	Andrew Gingras		07/26/2016

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
ESS Test Report Calculation Record

External Standard Solution Batch #: 16021 **Date Prepared:** 6/8/2016

Analyst:	AC	AJL	BT	LK	JLK	DCS	DN	AG
Date Tested:	6/8/2016	6/27/2016	6/28/2016	6/28/2016	6/29/2016	6/29/2016	7/5/2016	7/26/2016
Instrument:	HSGC #1	HSGC #1	HSGC #1	HSGC #1	HSGC #1	HSGC #1	HSGC #1	HSGC #1
1	0.106	0.100	0.100	0.099	0.101	0.101	0.102	0.101
2	0.103	0.100	0.100	0.099	0.102	0.100	0.102	0.102
3	0.103	0.102	0.100	0.099	0.102	0.100	0.102	0.102
4	0.103	0.101	0.100	0.098	0.102	0.102	0.103	0.102
5	0.106	0.101	0.100	0.099	0.102	0.100	0.102	0.102
C	0.102	0.100	0.099	0.097	0.100	0.101	0.100	0.101

CV^2_{COA}	$CV^2_{Ext\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0002799316	0.0002285714	0.0001016326

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

Average Solution Concentration: 0.1013 g/100mL
Standard Deviation: 0.00169 g/100mL
Precision CV (%): 1.67
Equivalent Vapor Concentration: 0.0823 g/210L
Combined Standard Uncertainty (±): 0.0020 g/210L
Expanded Uncertainty (±): 0.0040 coverage factor (k) =2 (95.45% level of confidence)

Calculations performed by: Lisa Noble (Name) [signature] (Signature) 7/26/16 (Date)

Calculations verified by: Amanda M. Black (Name) [signature] (Signature) 8-15-16 (Date)

Method: Hand Calculation

Technical review of batch file performed by:

Lisa Noble (Name) [signature] (Signature) 7/26/16 (Date)

Washington State Patrol Toxicology Laboratory Division

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda M. Black **Date:** 8-15-16

Location: WSP-FLSB Seattle, WA **Solution Batch Number:** 16021

	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:** 8-15-16

Washington State Patrol Toxicology Laboratory Division

SOLUTION CERTIFICATE REVIEW

Please check that the data on your chromatograms is the data entered into the Test Report, that the date to the right of your name is the date that you tested the solution, and then sign the Test Report.

Please initial and date below to affirm that you have:

1) Checked your data
2) Checked the date to the right of your name on the Test Report
3) Signed the Test Report

	Initials	Date
Amanda Chandler	AC	7/28/16
Andrew Gingras	[illegible]	7/26/16
Asa Louis	AL	20160726
Brittany Thomas	BT	7/28/16
Christie Mitchell-Mata		
Christopher Johnston		
David Nguyen	DN	7/26/16
Dawn Sklerov	DCS	7.26.16
Elizabeth Wehner		
Justin Knoy	JK	7.28.16
Katie Harris		
Lyndsey Lowe (Knoy)	LL	7.26.16
Naziha Nuwayhid		
Rebecca Flaherty		

Batch # 16021 7/26/16

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

0.08 g/210 L EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 16021

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 external standard solution (ESS), Lot Number 16021, was prepared in the Washington State Toxicology Laboratory on 6/8/2016. 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 for evidential breath tests after 6/8/2017.

Seattle, WA

Amanda Chandler 7/28/16

Amanda Chandler 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

0.08 g/210 L EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 16021

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

The external standard solution (ESS), Lot Number 16021, was prepared in the Washington State Toxicology Laboratory on 6/8/2016. 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 for evidential breath tests after 6/8/2017.

Seattle, WA

20160626

Asa J. Louis — 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

0.08 g/210 L EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 16021

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

The external standard solution (ESS), Lot Number 16021, was prepared in the Washington State Toxicology Laboratory on 6/8/2016. 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 for evidential breath tests after 6/8/2017.

Seattle, WA

7/26/2016

Andrew Gingras — 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

0.08 g/210 L EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 16021

I, Brittany Thomas, 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 Biology and a Masters in Forensic Science.

The external standard solution (ESS), Lot Number 16021, was prepared in the Washington State Toxicology Laboratory on 6/8/2016. 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 for evidential breath tests after 6/8/2017.

Seattle, WA

Brittany Thomas 7/28/16

Brittany Thomas 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

0.08 g/210 L EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 16021

I, Lyndsey Knoy, 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 external standard solution (ESS), Lot Number 16021, was prepared in the Washington State Toxicology Laboratory on 6/8/2016. 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 for evidential breath tests after 6/8/2017.

Seattle, WA

Lyndsey Knoy 7·26·16

Lyndsey Knoy — 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

0.08 g/210 L EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 16021

I, Justin L. Knoy, 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 Biology, and MS degree in Forensic Science.

The external standard solution (ESS), Lot Number 16021, was prepared in the Washington State Toxicology Laboratory on 6/8/2016. 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 for evidential breath tests after 6/8/2017.

Seattle, WA

7.28.16

Justin L. Knoy — 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

0.08 g/210 L EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 16021

I, Dawn C. Sklerov, 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 in Forensic Chemistry and over nine years of experience in the field of toxicology.

The external standard solution (ESS), Lot Number 16021, was prepared in the Washington State Toxicology Laboratory on 6/8/2016. 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 for evidential breath tests after 6/8/2017.

Seattle, WA

Dawn Sklerov 7.26.16

Dawn C. Sklerov 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

0.08 g/210 L EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 16021

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 external standard solution (ESS), Lot Number 16021, was prepared in the Washington State Toxicology Laboratory on 6/8/2016. 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 for evidential breath tests after 6/8/2017.

Seattle, WA

7/26/16

David Nguyen — Date
Forensic Scientist

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

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

Preparation Date: 6/8/14 Expiration Date: 6/8/17 Initials of Preparer: AC

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

Date the 200-proof Ethanol bottle was opened: 6/6/14

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.

Environmental conditions verified as acceptable: ☑

Simulator Solution	Volume of Ethanol (mL)	Volume of Deionized Water (L)		Batch Number
QAP 0.04	11.2	18	☐	
QAP 0.08	22.4	18	☐	
QAP 0.10	28.1	18	☐	
QAP 0.15	42.1	18	☐	
QAP 0.20	56.1	18	☐	
ESS	66.5	52	☑	110021

Stir bar is rotating ☑

Stirred for minimum 30 minutes; 2 hours for ESS ☑

Spigot purged ☑

Aliquot taken ☑

Batch labeled, packaged and sealed ☑ 6/8/14 Date

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

Comments:

See replacement page report issuer initials found missing upon review, added new page on 9/26/16

Analyst Signature 6/8/14 Date

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

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

Preparation Date: 6/8/16 Expiration Date: 6/8/17 Initials of Preparer: AC

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

Date the 200-proof Ethanol bottle was opened: 6/6/16

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: ☑

Simulator Solution	Volume of Ethanol (mL)	Volume of Deionized Water (L)		Batch Number
QAP 0.04	11.2	18	☐	
QAP 0.08	22.4	18	☐	
QAP 0.10	28.1	18	☐	
QAP 0.15	42.1	18	☐	
QAP 0.20	56.1	18	☐	
ESS	66.5	52	☑	110021

Stir bar is rotating ☑

Stirred for minimum 30 minutes; 2 hours for ESS ☑

Spigot purged ☑

Aliquot taken ☑

Batch labeled, packaged and sealed ☑ 6/8/16 Date

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

Comments:

Analyst Signature 6/8/16 Date

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

Sequence Parameters:

Operator:	Amanda Chandler
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	160608AC
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E0416-01 - Exp. 10/01/2016
Ethanol Calibrator 2, E0416-02 - Exp. 10/01/2016
Ethanol Calibrator 3, E0416-03 - Exp. 10/01/2016

CTRL1 (0.04g/100mL), Lot # FN05011301 - Exp. 05/2018
CTRL2 (0.10g/100mL), Lot # FN08051301 - Exp. 10/2018
CTRL3 (0.20g/100mL), Lot # FN03211401 - Exp. 06/2019

Internal Standard Lot#P0516 - Exp. 08/31/2016

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	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	16021 #1	SIMALC1	1	Sample		
11	Vial 11	16021 #2	SIMALC1	1	Sample		
12	Vial 12	16021 #3	SIMALC1	1	Sample		
13	Vial 13	16021 #4	SIMALC1	1	Sample		
14	Vial 14	16021 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 Ctrl	SIMALC1	1	Ctrl Samp		
16	Vial 16	Negative	SIMALC1	1	Ctrl Samp		

16021
7/6/16

Calibration Part:

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

AR

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

Sequence Table (Back Injector):

No entries - empty table!

16021
fn 7/6/16

fn 7/6/16
~~100008~~ AC

Calibration Table

Calib. Data Modified : Wednesday, June 08, 2016 10:59:37 AM

Calculate : Internal Standard
Based on : Peak Area

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

Curve Type : Linear
Origin : Included
Weight : Equal

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

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

Sample ISTD Information:

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

Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.094	1	1	7.91100e-2	985.70764	8.02571e-5	1		Ethanol
		2	1.59090e-1	2091.14185	7.60781e-5			
		3	3.15200e-1	3965.81836	7.94792e-5			
1.757	1	1	1.20000e-2	2715.06250	4.41979e-6	I1		n-Propanol
		2	1.20000e-2	2857.95190	4.19881e-6			
		3	1.20000e-2	2732.01001	4.39237e-6			

Peak Sum Table

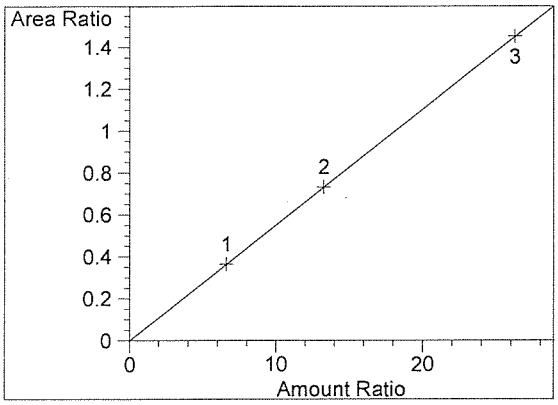
No Entries in table

16021
6/7/16/16

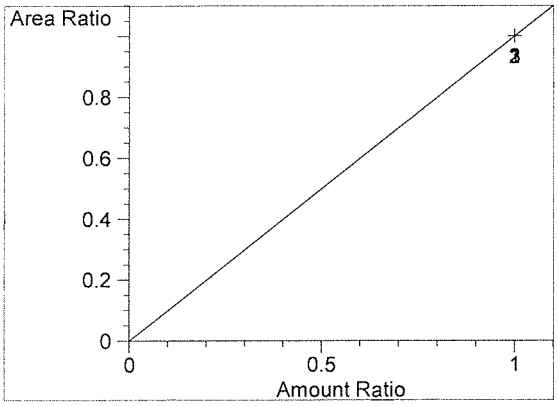
==========

Calibration Curves

==========



Ethanol at exp. RT: 1.094
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00079
Formula: y = mx + b
m: 5.52767e-2
b: -7.05022e-4
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.757
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

==========

16021

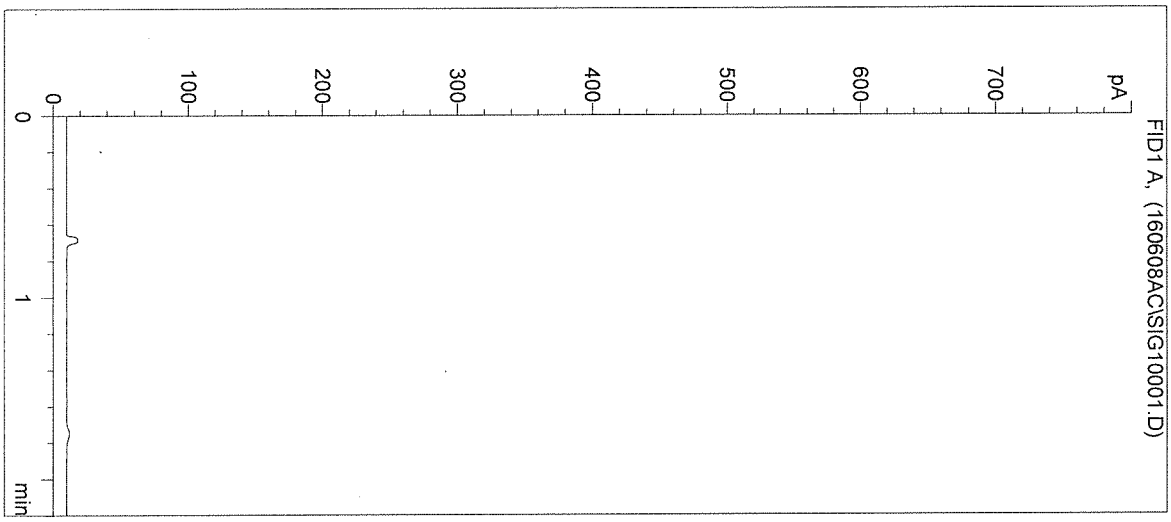
Jm 7/6/16

AR

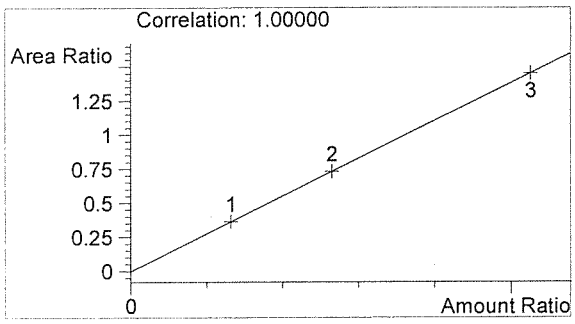
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/8/2016 10:47:31 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

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



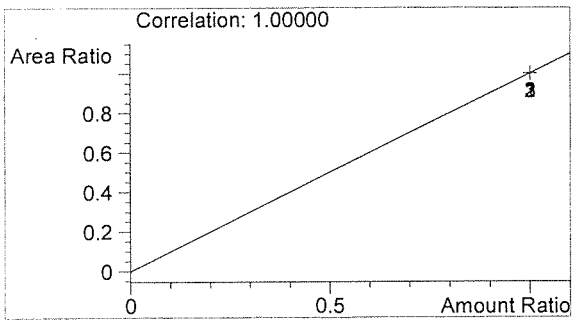
#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	0	0.000



Ethanol 0.000 g/100mL

16021

7/6/16

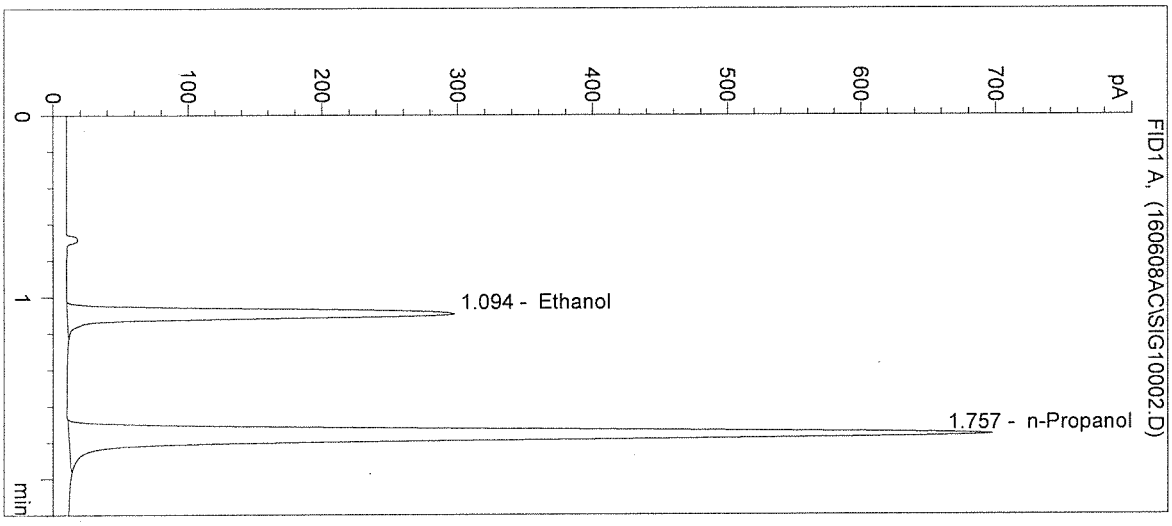


n-Propanol 0.000 g/100mL

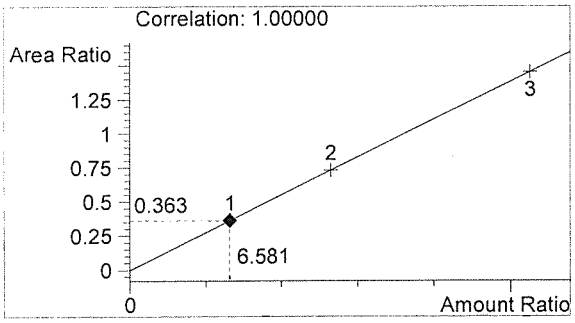
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/8/2016 10:50:50 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

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



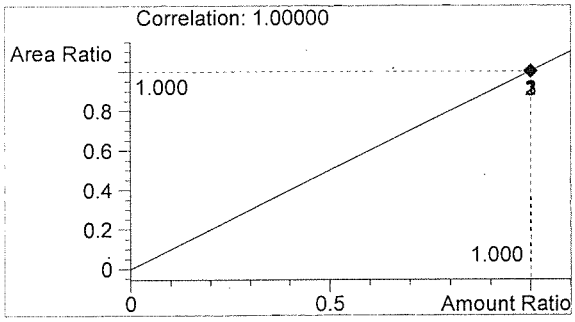
#	Compound	Peak Area	RT (min)
1	Ethanol	986	1.094
2	n-Propanol	2715	1.757



Ethanol 0.079 g/100mL

16021

7/6/16

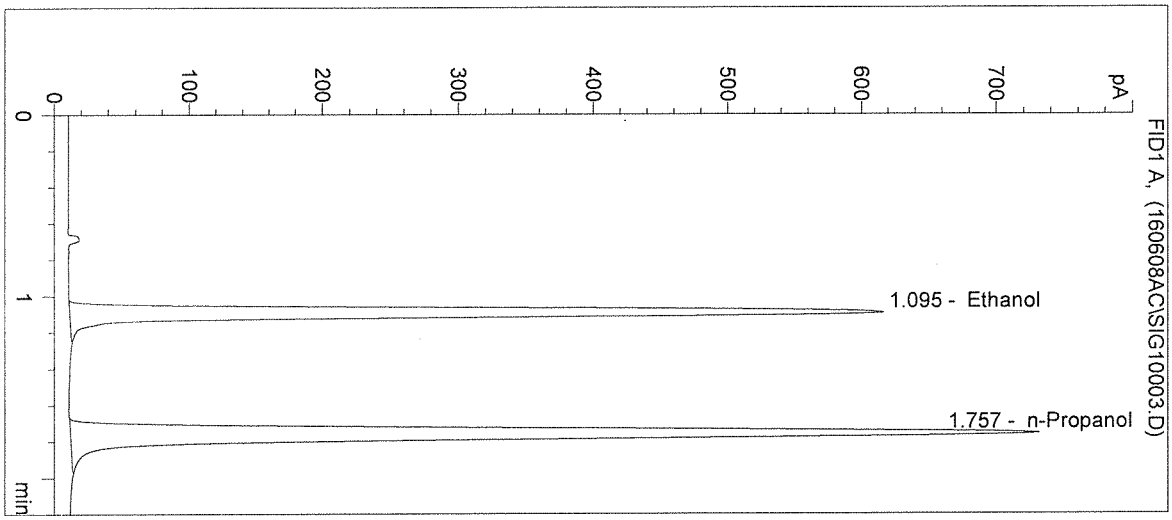


n-Propanol 0.012 g/100mL

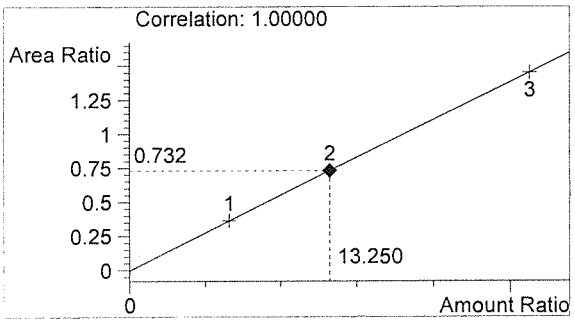
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/8/2016 10:54:07 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

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



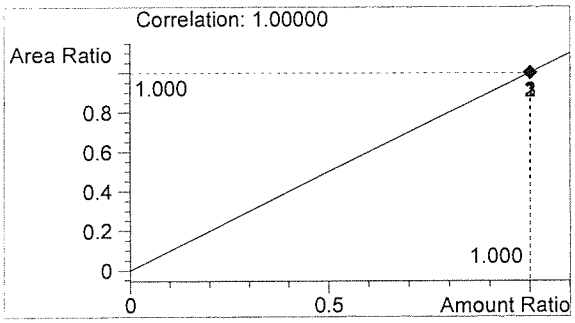
#	Compound	Peak Area	RT (min)
1	Ethanol	2091	1.095
2	n-Propanol	2858	1.757



Ethanol 0.159 g/100mL

16021

fm 7/6/16

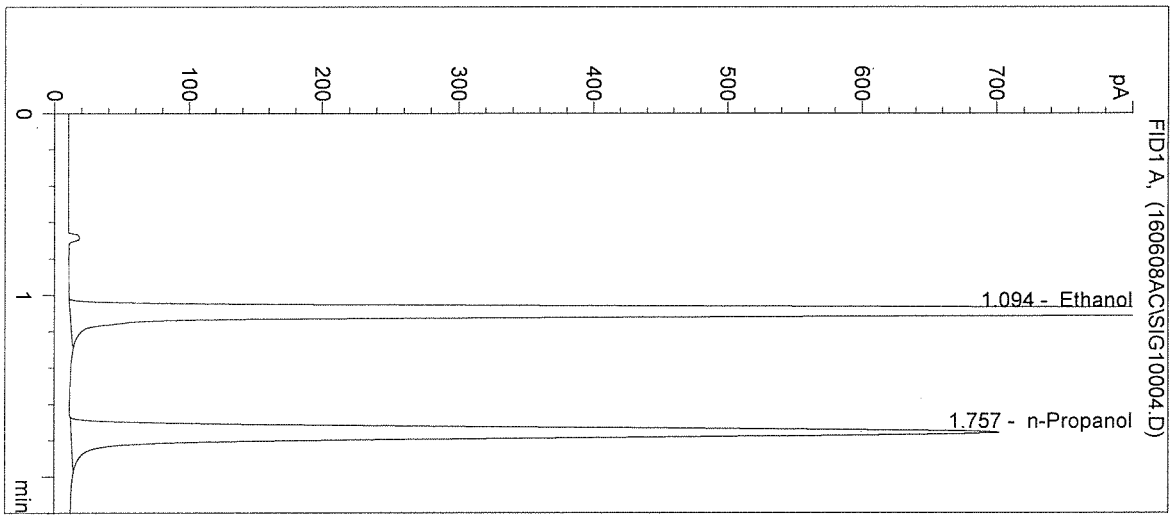


n-Propanol 0.012 g/100mL

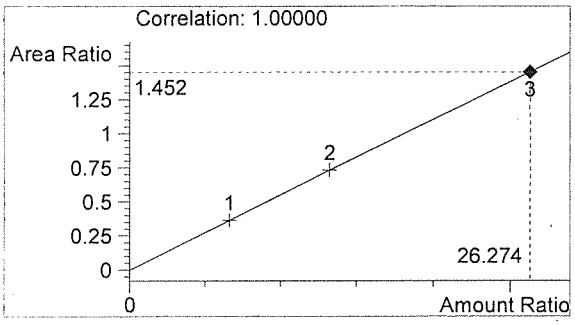
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/8/2016 10:57:24 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

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

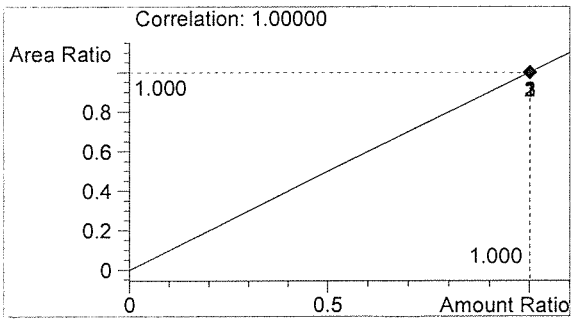


#	Compound	Peak Area	RT (min)
1	Ethanol	3966	1.094
2	n-Propanol	2732	1.757



Ethanol 0.315 g/100mL

16021



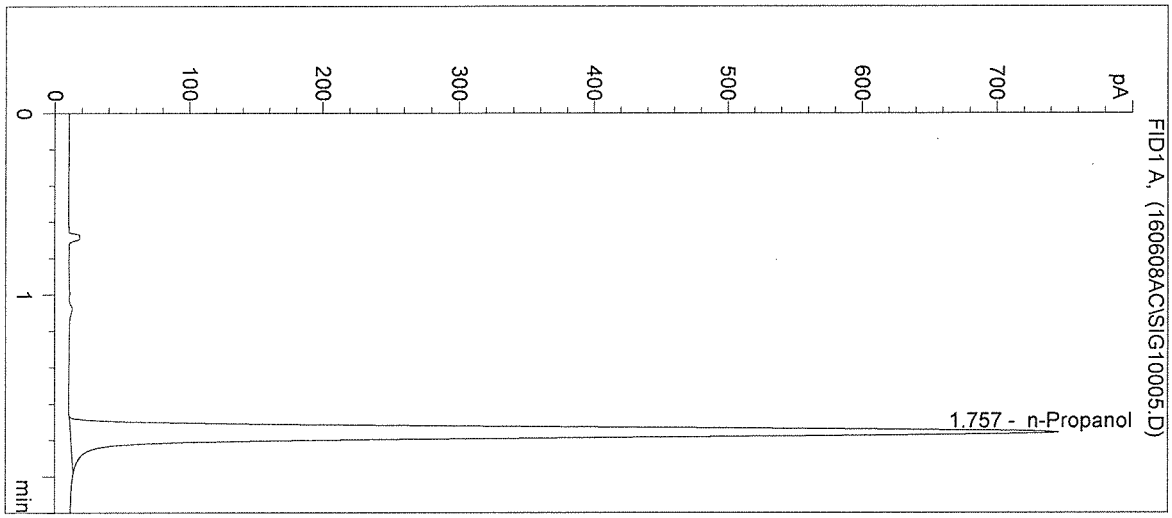
n-Propanol 0.012 g/100mL

7/6/16

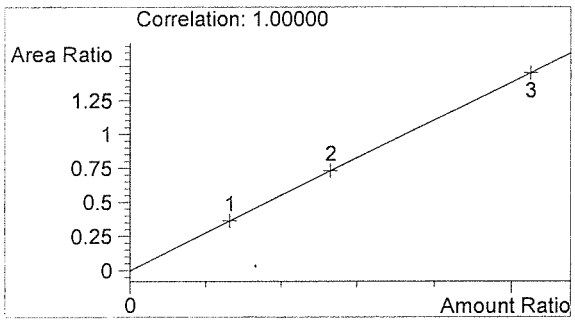
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/8/2016 11:00:37 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

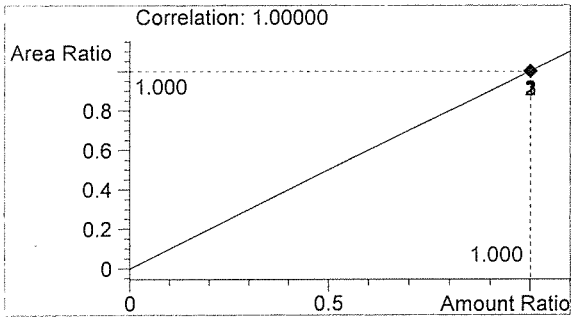
Sample Name: Negative
Operator: Amanda Chandler
Location: Vial 5



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2911	1.757



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

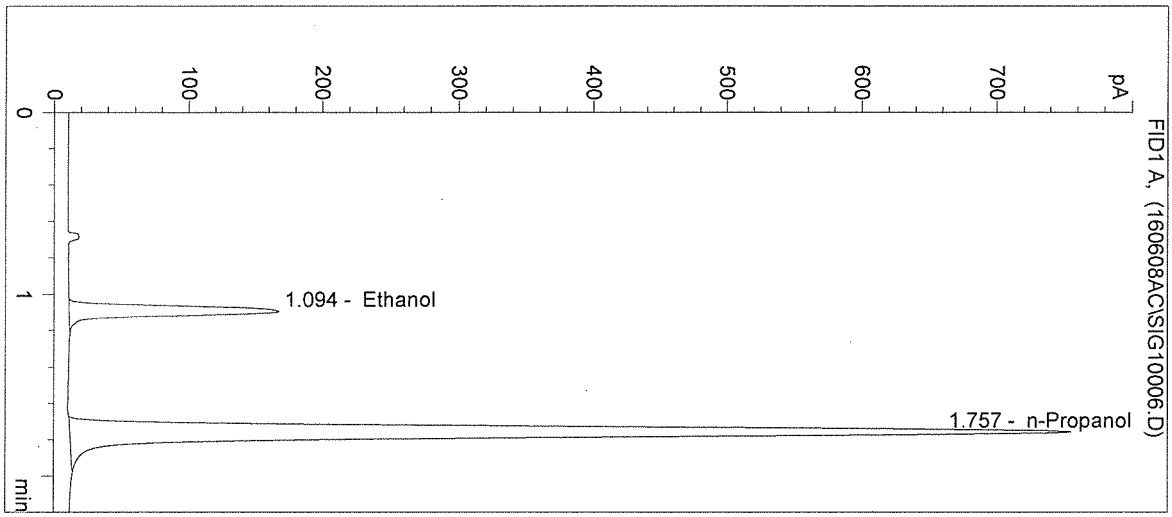
16021

7/6/16

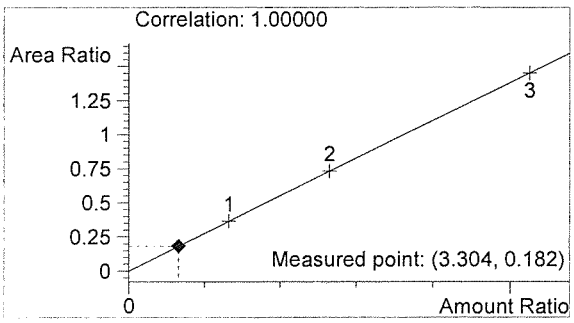
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/8/2016 11:03:50 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

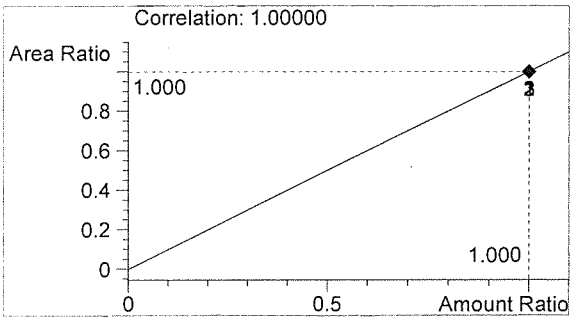
Sample Name: 0.04 Ctrl
Operator: Amanda Chandler
Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	537	1.094
2	n-Propanol	2954	1.757



Ethanol 0.040 g/100mL



n-Propanol 0.012 g/100mL

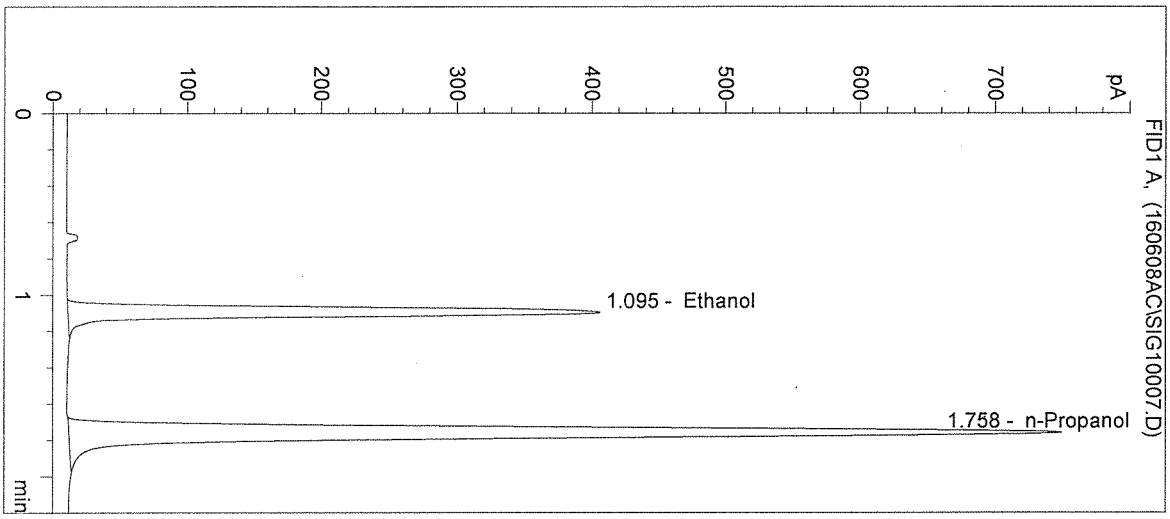
16021

7/6/16

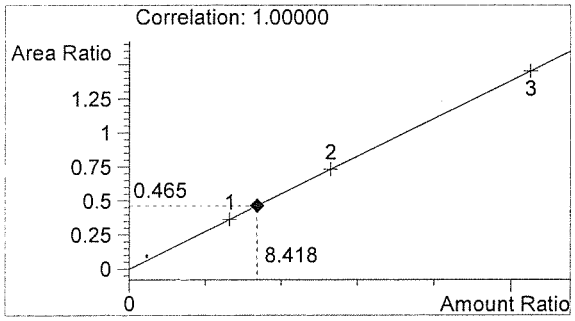
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/8/2016 11:07:04 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

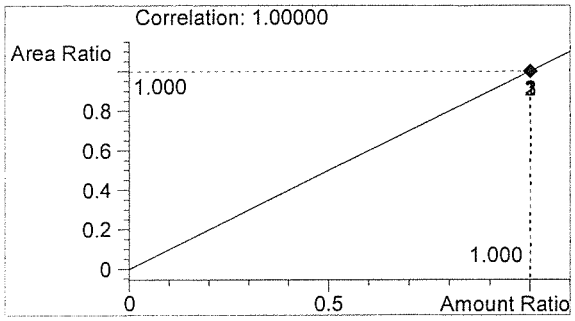
Sample Name: 0.10 Ctrl
Operator: Amanda Chandler
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	1363	1.095
2	n-Propanol	2933	1.758



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

16021

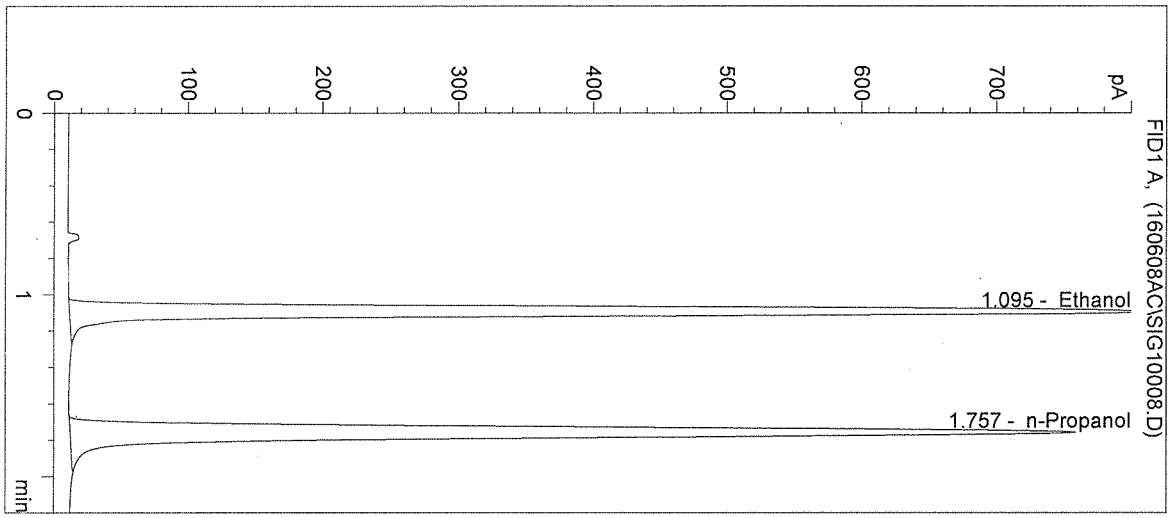
7/6/16

Data File: C:\HPCHEM\1\DATA\160608AC\SIG10007.D

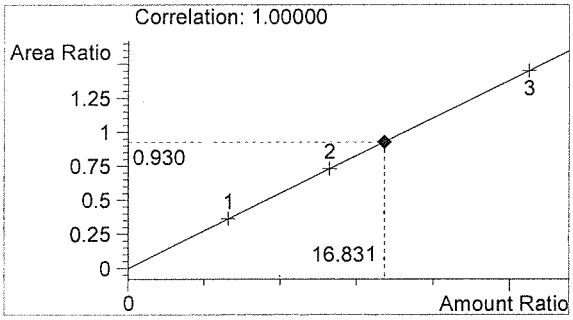
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/8/2016 11:10:17 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

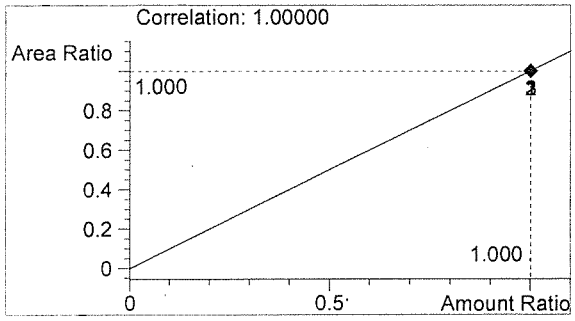
Sample Name: 0.20 Ctrl
Operator: Amanda Chandler
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	2758	1.095
2	n-Propanol	2966	1.757



Ethanol 0.202 g/100mL



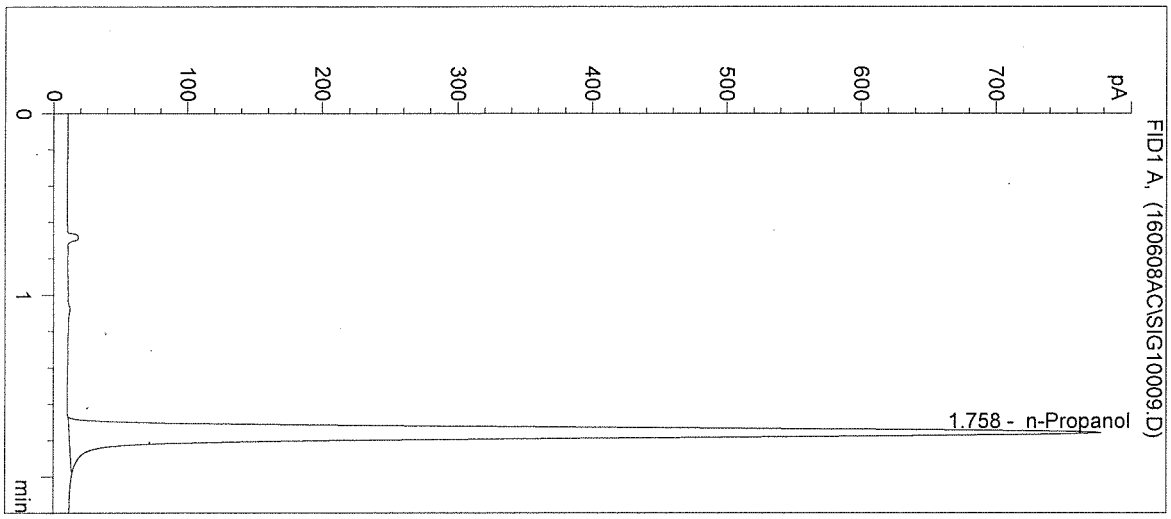
n-Propanol 0.012 g/100mL

16021
7/6/16

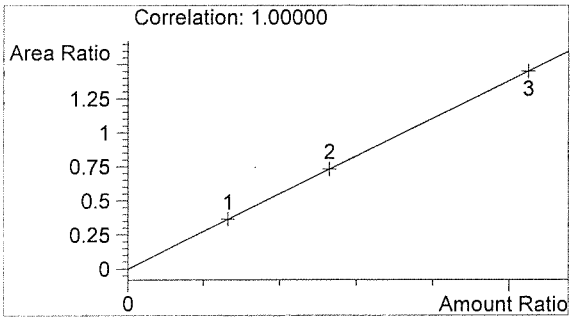
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/8/2016 11:13:31 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

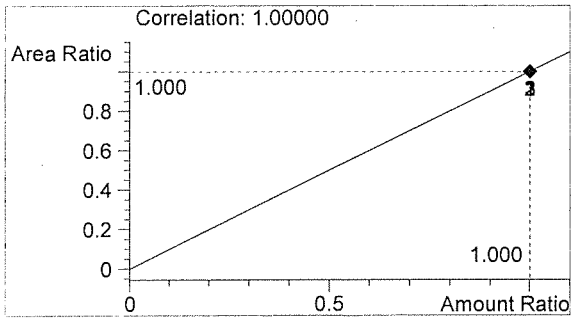
Sample Name: Negative
Operator: Amanda Chandler
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	3045	1.758



Ethanol 0.000 g/100mL



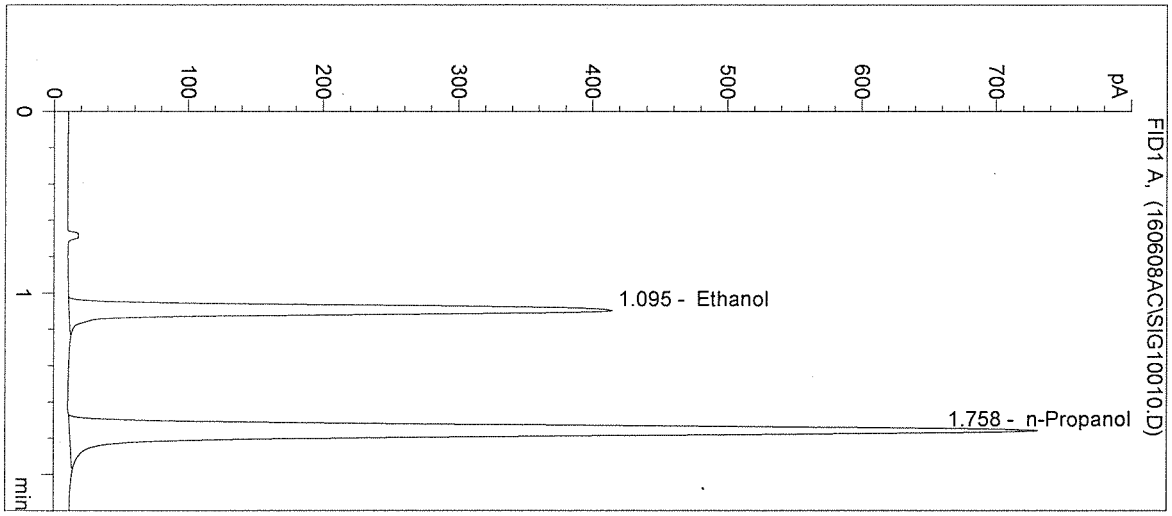
n-Propanol 0.012 g/100mL

16021
7/6/16

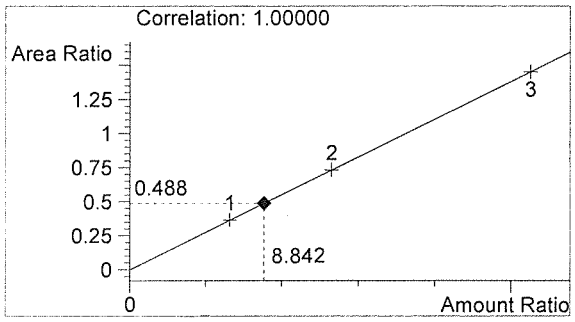
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/8/2016 11:16:44 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

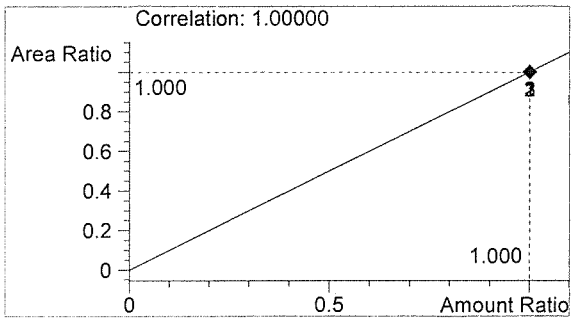
Sample Name: 16021 #1
Operator: Amanda Chandler
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	1401	1.095
2	n-Propanol	2870	1.758



Ethanol 0.106 g/100mL



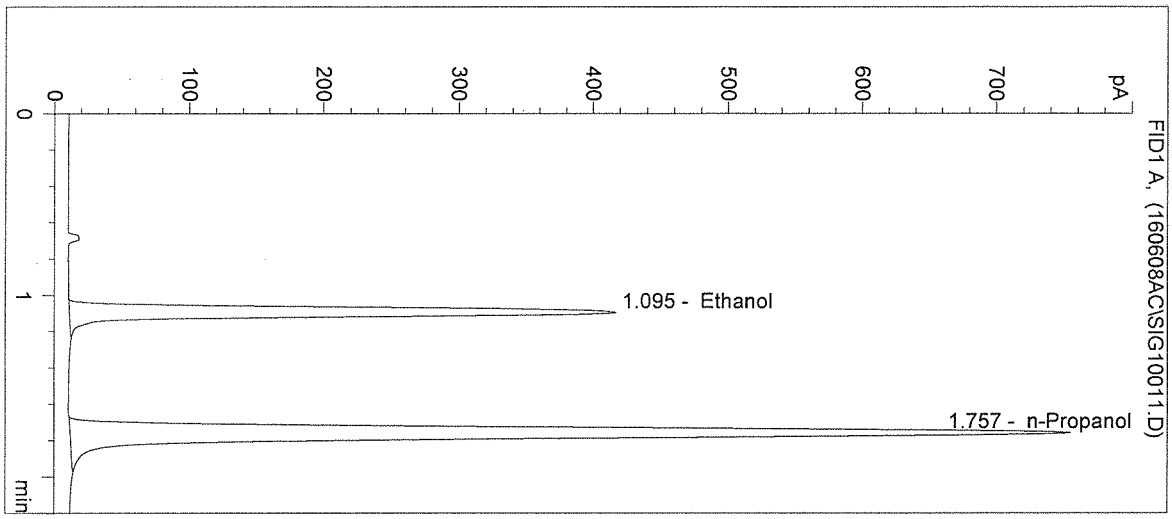
n-Propanol 0.012 g/100mL

16021

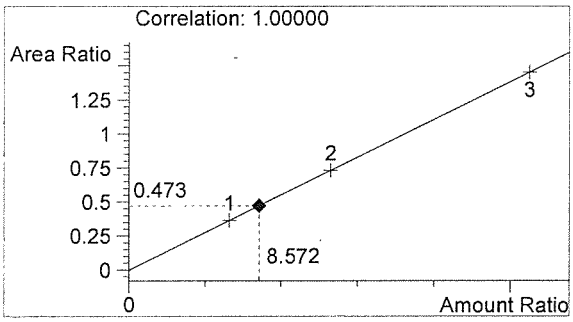
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/8/2016 11:19:57 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

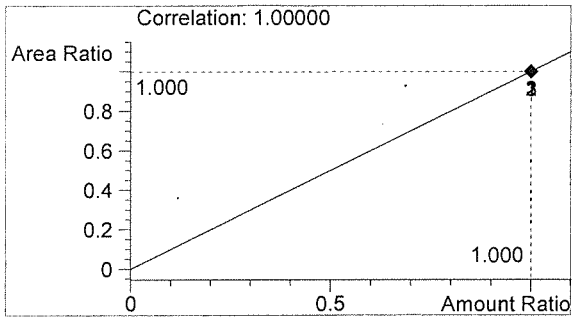
Sample Name: 16021 #2
Operator: Amanda Chandler
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	1401	1.095
2	n-Propanol	2961	1.757



Ethanol 0.103 g/100mL

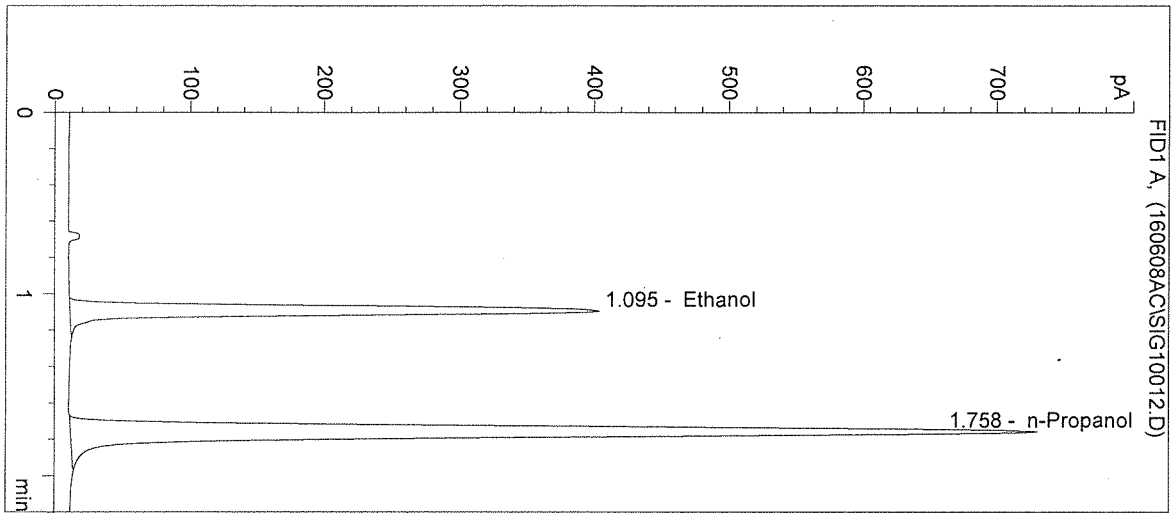


n-Propanol 0.012 g/100mL

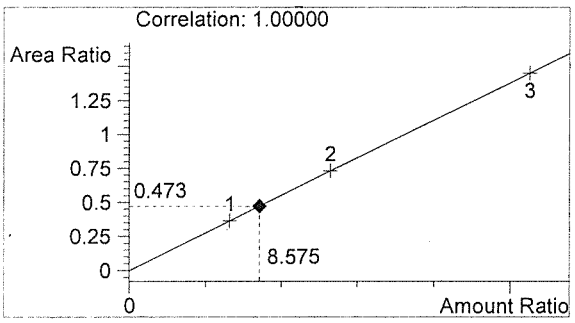
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/8/2016 11:23:10 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

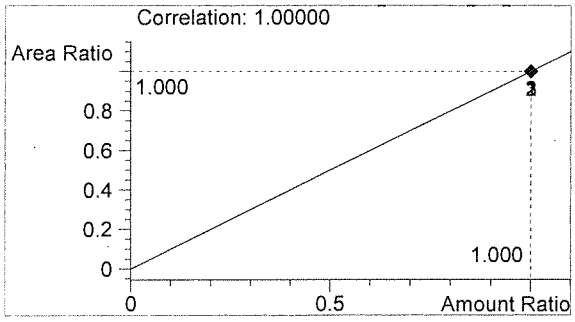
Sample Name: 16021 #3
Operator: Amanda Chandler
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	1355	1.095
2	n-Propanol	2862	1.758



Ethanol 0.103 g/100mL

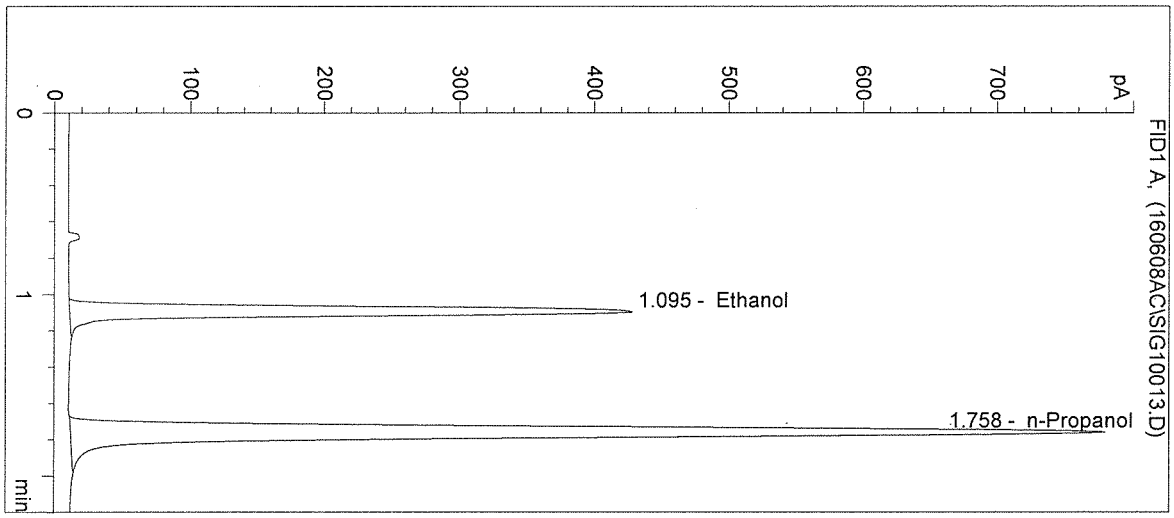


n-Propanol 0.012 g/100mL

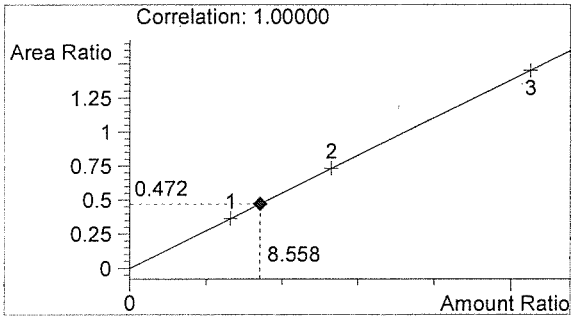
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/8/2016 11:26:24 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

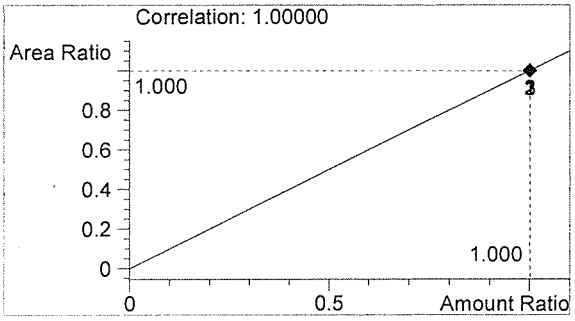
Sample Name: 16021 #4
Operator: Amanda Chandler
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	1446	1.095
2	n-Propanol	3061	1.758



Ethanol 0.103 g/100mL

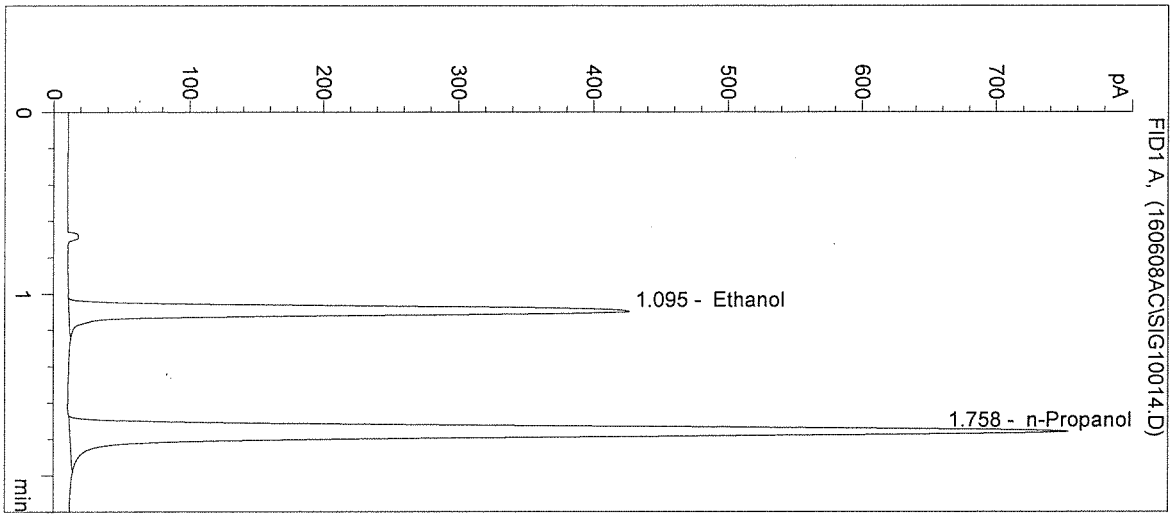


n-Propanol 0.012 g/100mL

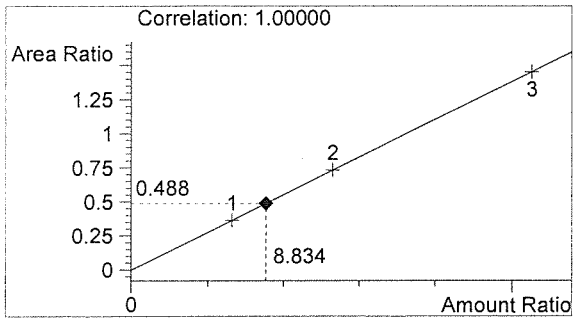
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/8/2016 11:29:37 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

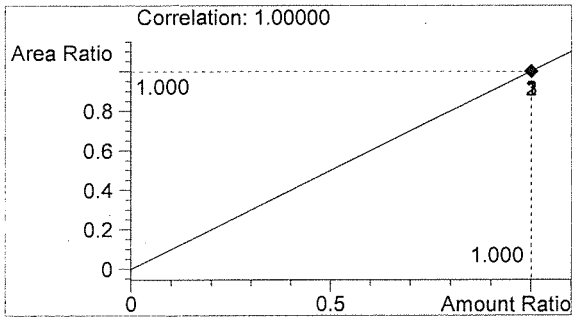
Sample Name: 16021 #5
Operator: Amanda Chandler
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	1441	1.095
2	n-Propanol	2955	1.758



Ethanol 0.106 g/100mL

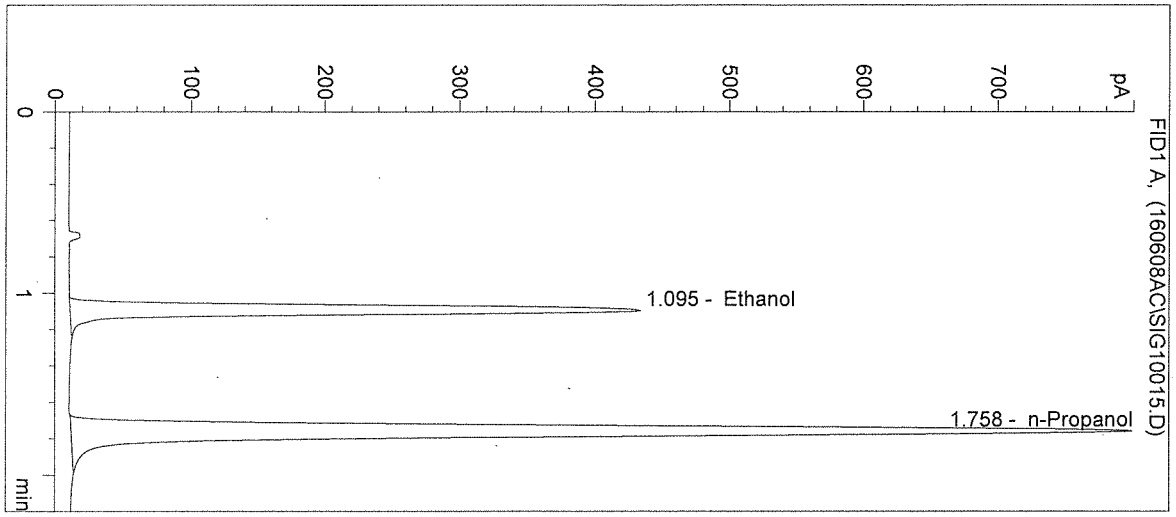


n-Propanol 0.012 g/100mL

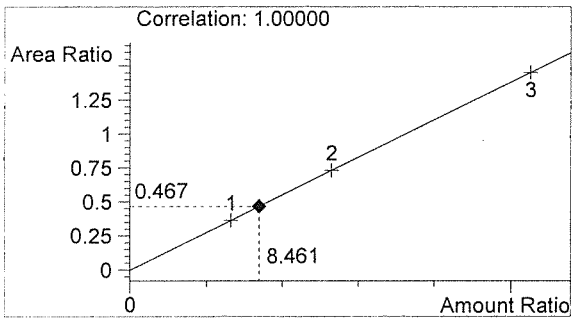
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/8/2016 11:32:50 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

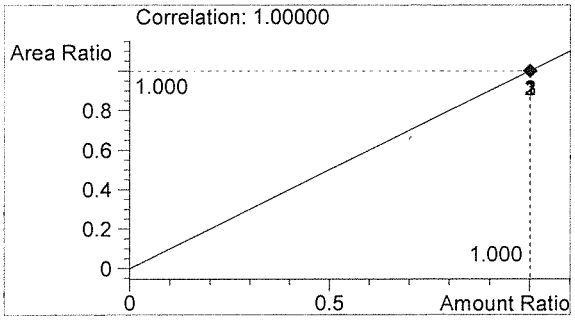
Sample Name: 0.10 Ctrl
Operator: Amanda Chandler
Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	1470	1.095
2	n-Propanol	3148	1.758



Ethanol 0.102 g/100mL



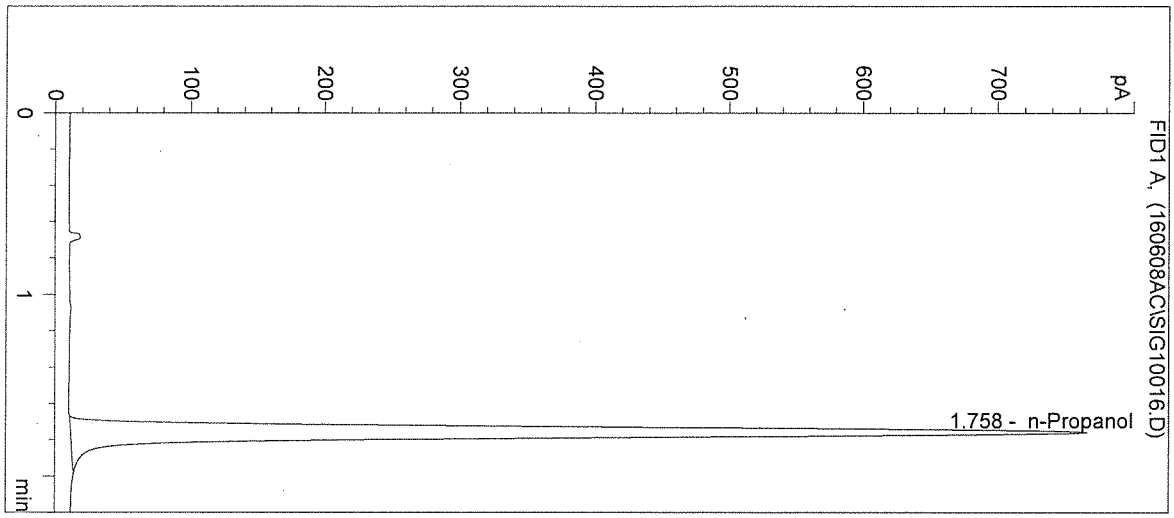
n-Propanol 0.012 g/100mL

16021
7/6/16

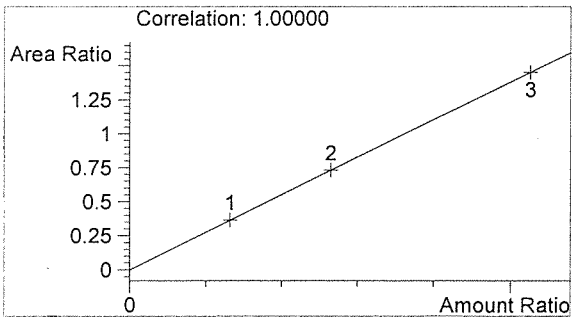
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/8/2016 11:36:03 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

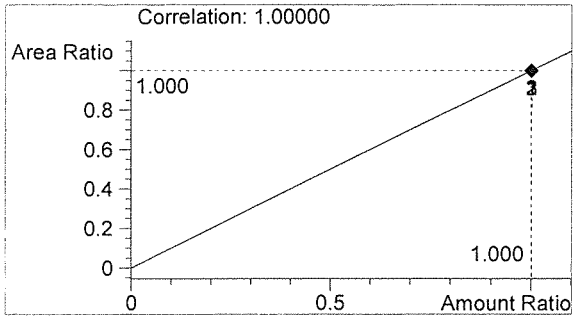
Sample Name: Negative
Operator: Amanda Chandler
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	3012	1.758



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

16021
7/16/16

Sequence: C:\HPCHEM\1\SEQUENCE\AL-ESS1.S

Sequence Parameters:

Operator:	asa louis
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:	160627A2
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 e0416-01 exp 10/01/2016
cal 2 0.158 g/100mL e0416-02 exp 10/01/2016
cal 3 0.316 g/100mL e0416-03 exp 10/01/2016
0.04 control fn05011301 exp 05/2018
0.10 control fn08051301 exp 10/2018
0.20 control fn03211401 exp 06/2019
istd p0516 exp 10/31/2016

calibration in ess 16021

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 control - al	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 ctrl al	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 ctrl al	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 ctrl al	SIMALC1	1	Ctrl Samp		
9	Vial 9	neg control - al	SIMALC1	1	Ctrl Samp		
10	Vial 10	16021 #1	SIMALC1	1	Sample		
11	Vial 11	16021 #2	SIMALC1	1	Sample		
12	Vial 12	16021 #3	SIMALC1	1	Sample		
13	Vial 13	16021 #4	SIMALC1	1	Sample		
14	Vial 14	16021 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 ctrl al	SIMALC1	1	Ctrl Samp		
16	Vial 16	neg control - al	SIMALC1	1	Ctrl Samp		
17	Vial 17	16028 #1	SIMALC1	1	Sample		
18	Vial 18	16028 #2	SIMALC1	1	Sample		
19	Vial 19	16028 #3	SIMALC1	1	Sample		
20	Vial 20	16028 #4	SIMALC1	1	Sample		
21	Vial 21	16028 #5	SIMALC1	1	Sample		
22	Vial 22	0.10 ctrl al	SIMALC1	1	Ctrl Samp		
23	Vial 23	neg control - al	SIMALC1	1	Ctrl Samp		

16021
fn 7/6/16

Calibration Part:

Sequence: C:\HPCHEM\1\SEQUENCE\AL-ESS1.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!

16021

7/6/16

Calibration Table

Calib. Data Modified : Monday, June 27, 2016 1:11:32 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

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
1.093	1	1	7.91100e-2	972.63269	8.13359e-5	1		Ethanol
		2	1.59090e-1	1946.07483	8.17492e-5			
		3	3.15200e-1	3884.82544	8.11362e-5			
1.756	1	1	1.20000e-2	2625.79980	4.57004e-6	I1		n-Propanol
		2	1.20000e-2	2677.09692	4.48247e-6			
		3	1.20000e-2	2681.99731	4.47428e-6			

16021

7/6/16

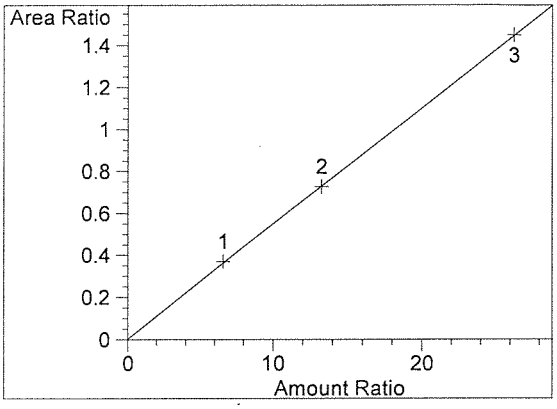
Peak Sum Table

No Entries in table

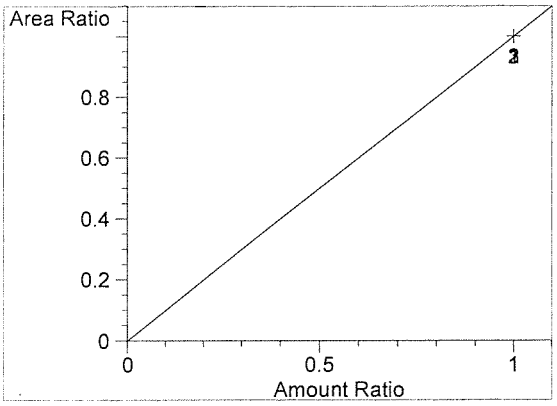
==========

Calibration Curves

==========



Ethanol at exp. RT: 1.093
FID1 A,
Correlation: 0.99997
Residual Std. Dev.: 0.00539
Formula: y = mx + b
m: 5.50364e-2
b: 1.93373e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.756
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

==========

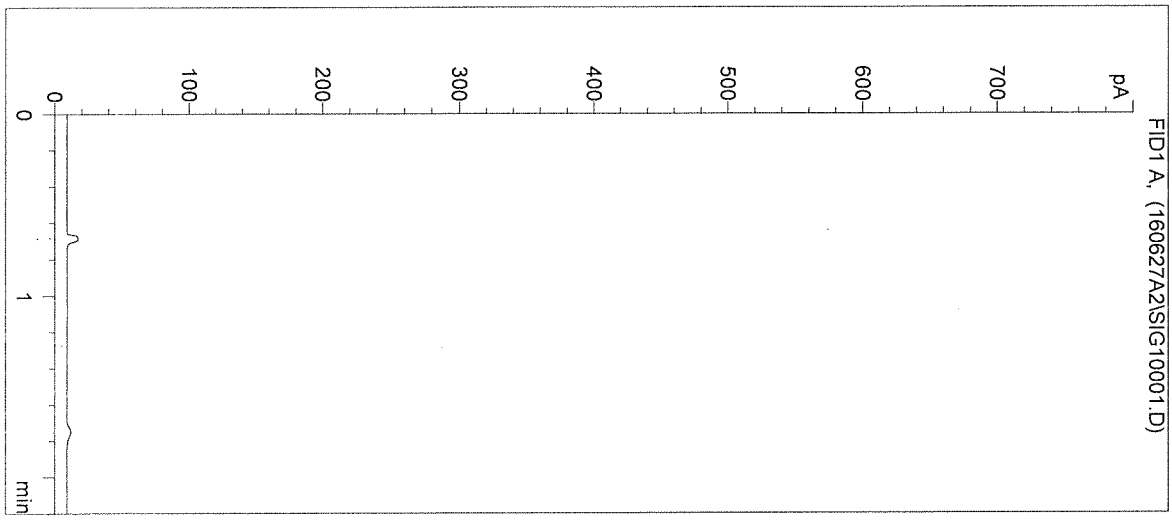
16021

fn 7/6/16

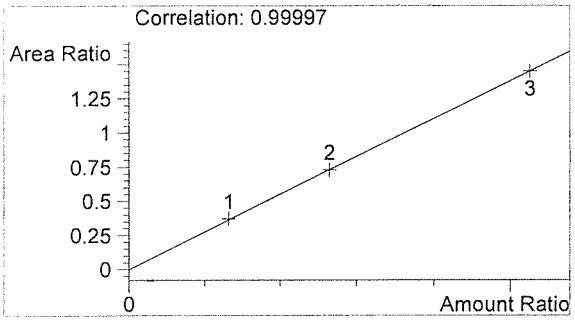
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/27/2016 12:59:27 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ess 16021

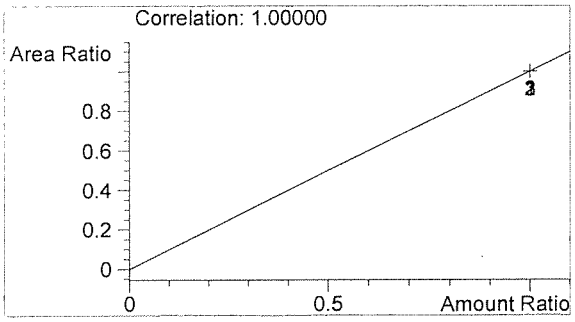
Sample Name: blank
Operator: asa louis
Location: Vial 1



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



Ethanol 0.000 g/100mL

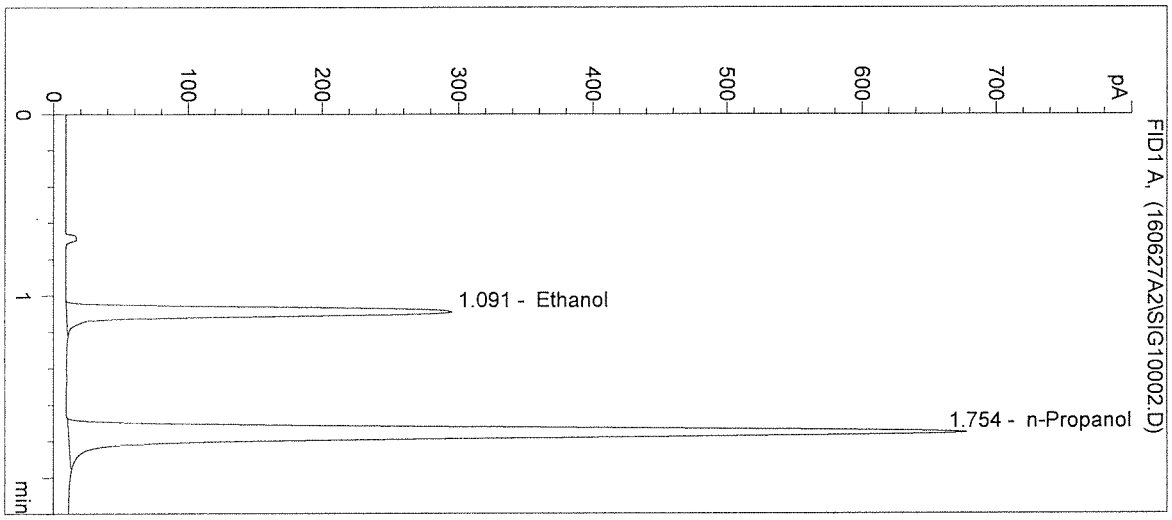


n-Propanol 0.000 g/100mL

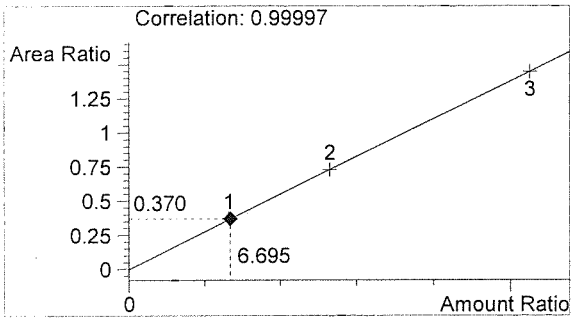
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/27/2016 1:02:45 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ess 16021

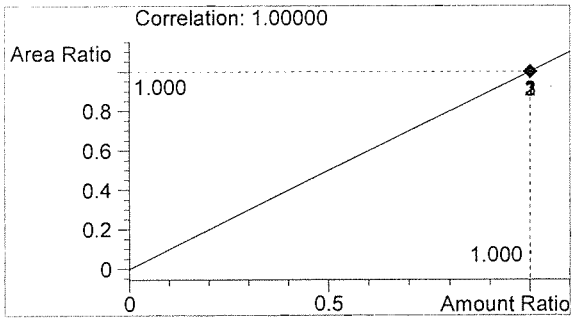
Sample Name: 0.079 cal 1
Operator: asa louis
Location: Vial 2



#	Compound	Peak Area	RT (min)
1	Ethanol	973	1.091
2	n-Propanol	2626	1.754



Ethanol 0.080 g/100mL

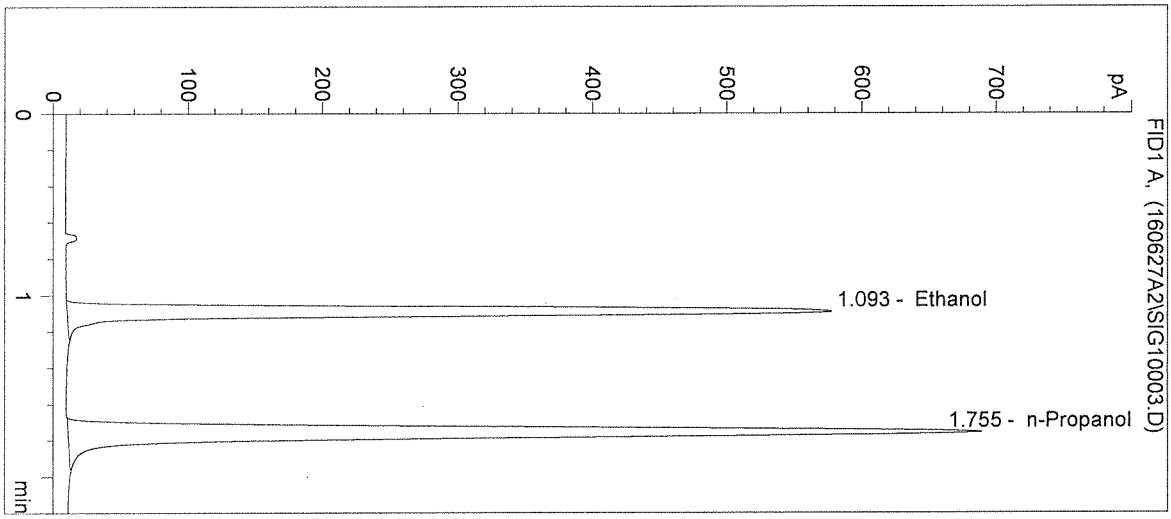


n-Propanol 0.012 g/100mL

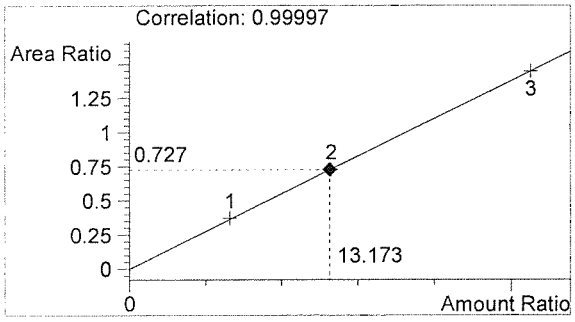
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/27/2016 1:06:02 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ess 16021

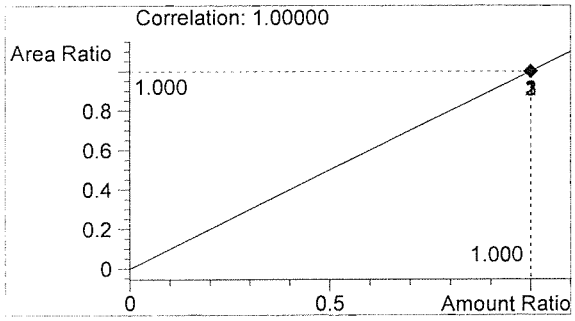
Sample Name: 0.158 cal 2
Operator: asa louis
Location: Vial 3



#	Compound	Peak Area	RT (min)
1	Ethanol	1946	1.093
2	n-Propanol	2677	1.755



Ethanol 0.158 g/100mL

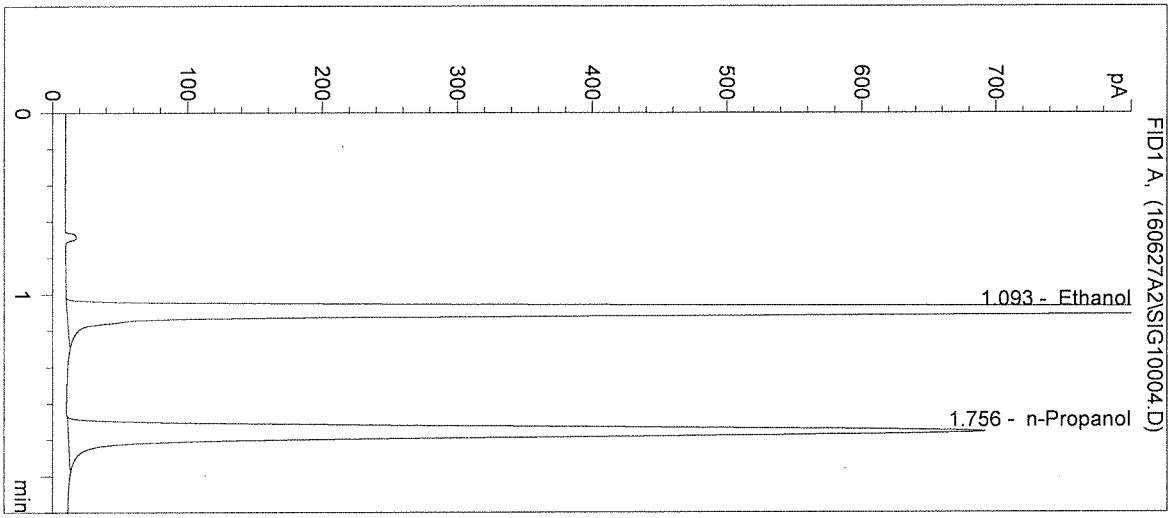


n-Propanol 0.012 g/100mL

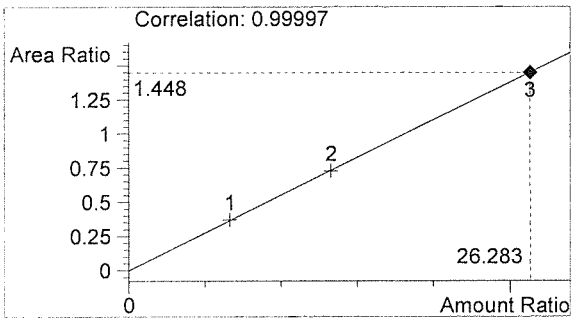
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/27/2016 1:09:19 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ess 16021

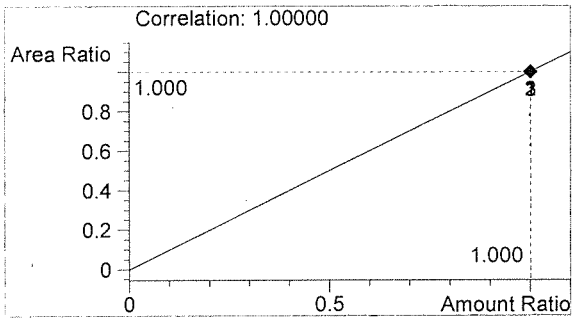
Sample Name: 0.316 cal 3
Operator: asa louis
Location: Vial 4



#	Compound	Peak Area	RT (min)
1	Ethanol	3885	1.093
2	n-Propanol	2682	1.756



Ethanol 0.315 g/100mL

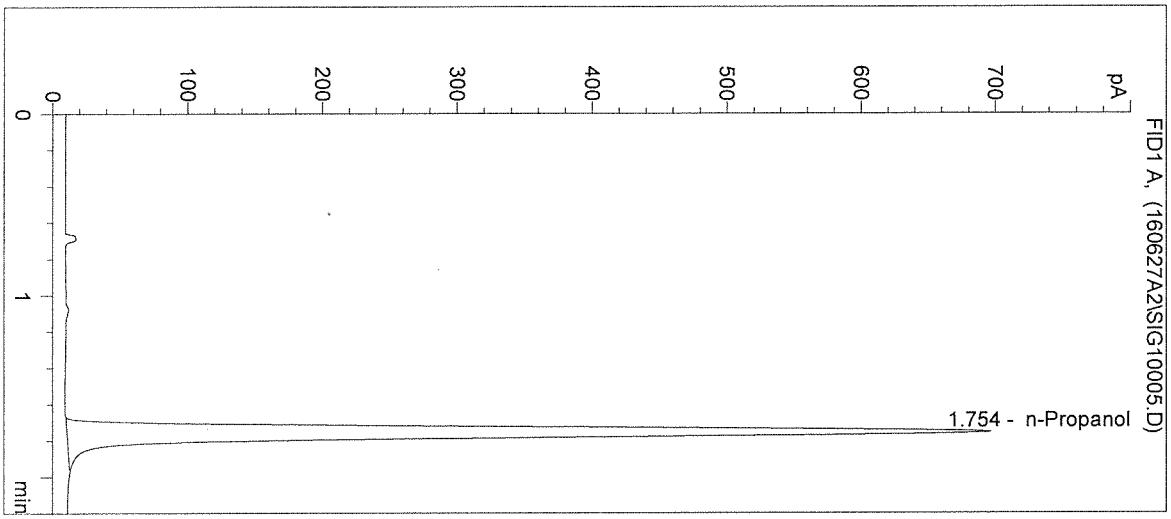


n-Propanol 0.012 g/100mL

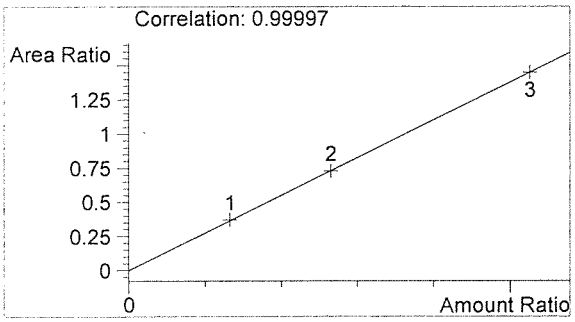
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/27/2016 1:12:32 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ess 16021

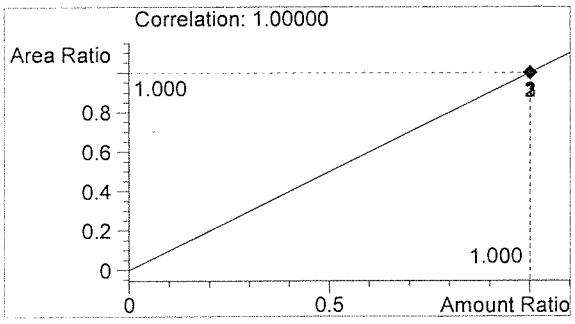
Sample Name: neg control - al
Operator: asa louis
Location: Vial 5



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2704	1.754



Ethanol 0.000 g/100mL

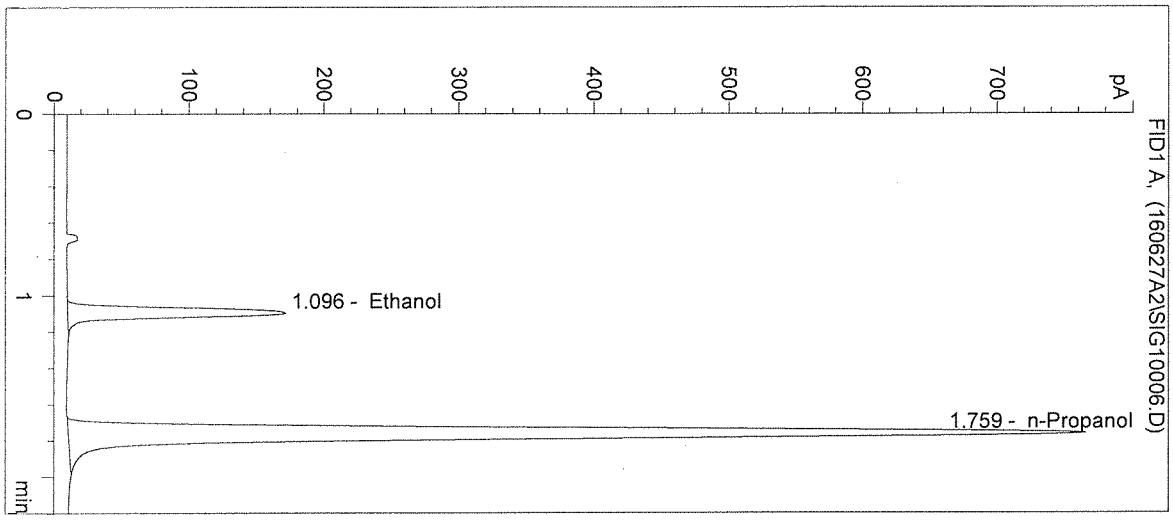


n-Propanol 0.012 g/100mL

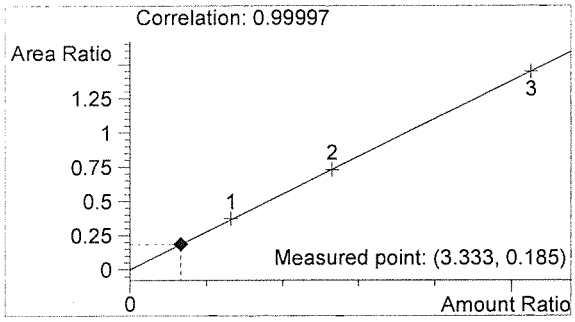
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/27/2016 1:15:46 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ess 16021

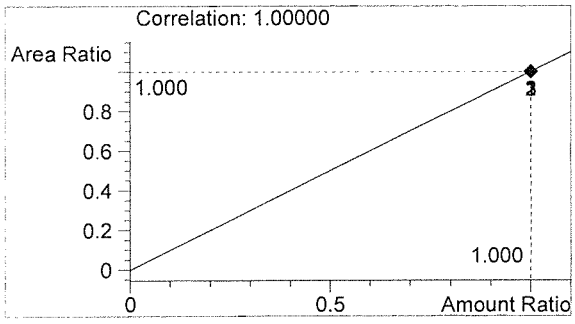
Sample Name: 0.04 ctrl al
Operator: asa louis
Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	560	1.096
2	n-Propanol	3019	1.759



Ethanol 0.040 g/100mL

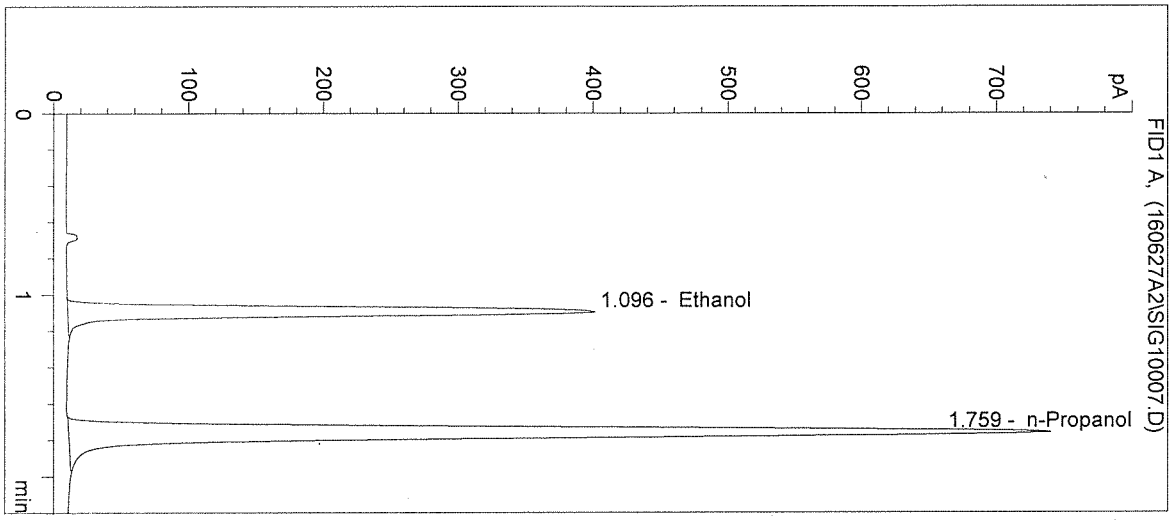


n-Propanol 0.012 g/100mL

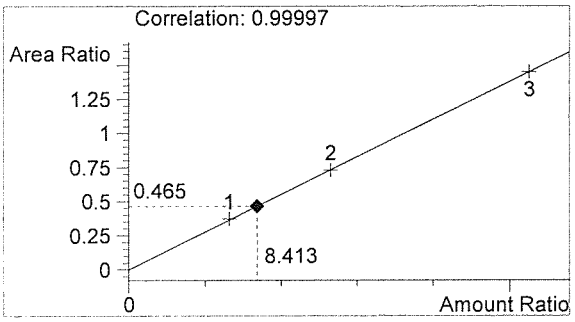
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/27/2016 1:18:59 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ess 16021

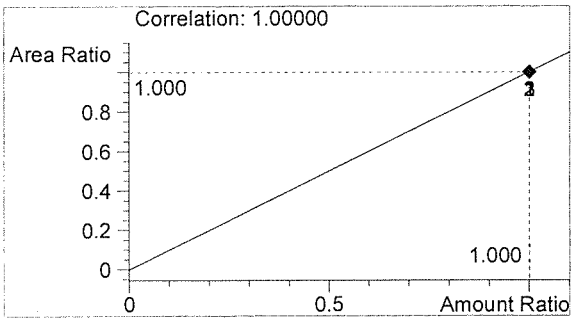
Sample Name: 0.10 ctrl al
Operator: asa louis
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	1351	1.096
2	n-Propanol	2906	1.759



Ethanol 0.101 g/100mL

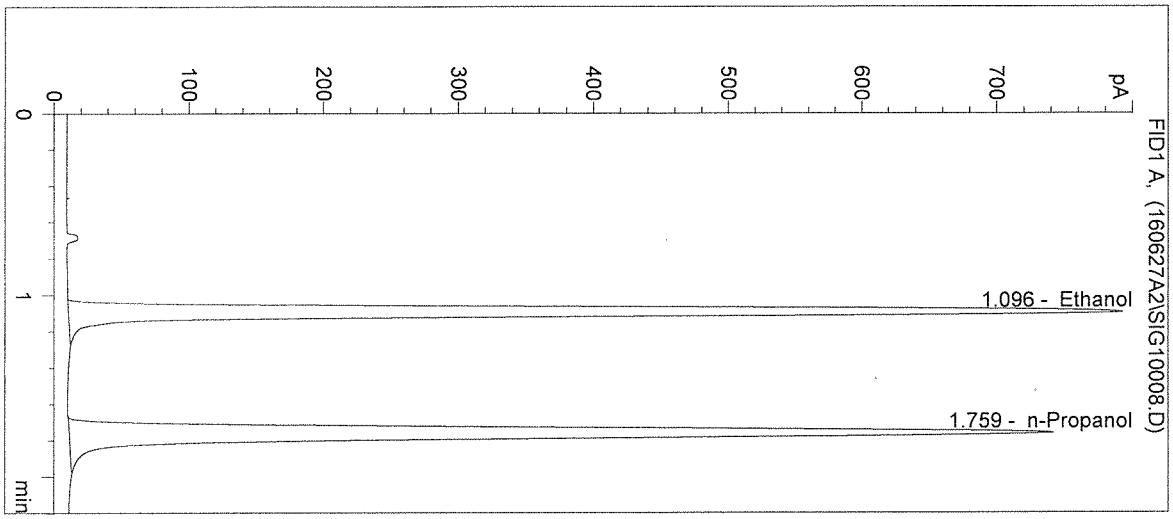


n-Propanol 0.012 g/100mL

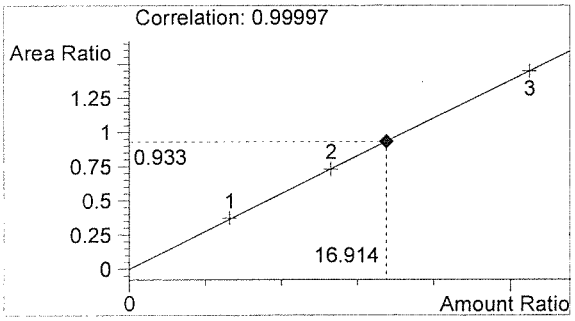
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/27/2016 1:22:13 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ess 16021

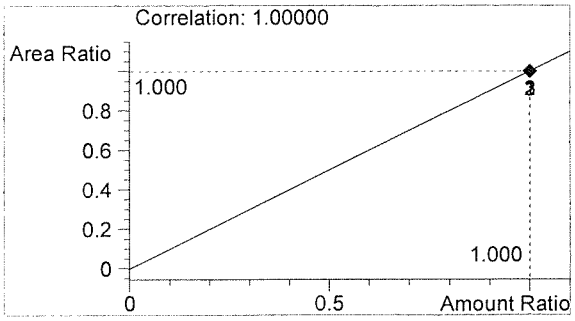
Sample Name: 0.20 ctrl al
Operator: asa louis
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	2732	1.096
2	n-Propanol	2929	1.759



Ethanol 0.203 g/100mL

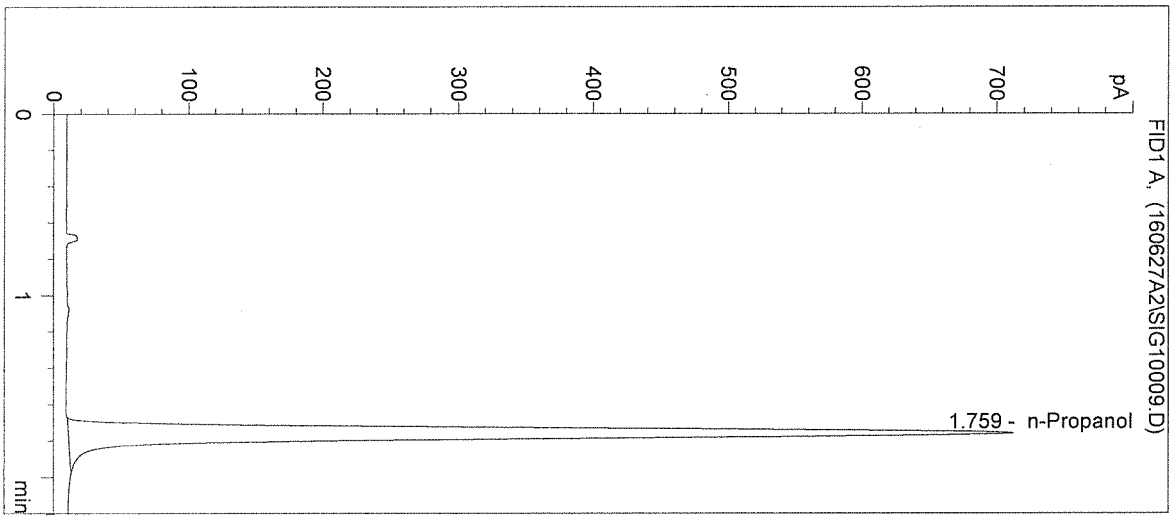


n-Propanol 0.012 g/100mL

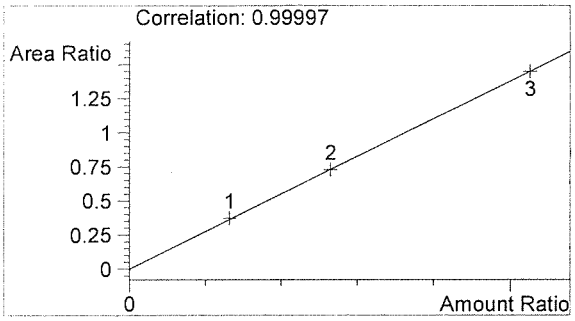
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/27/2016 1:25:26 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ess 16021

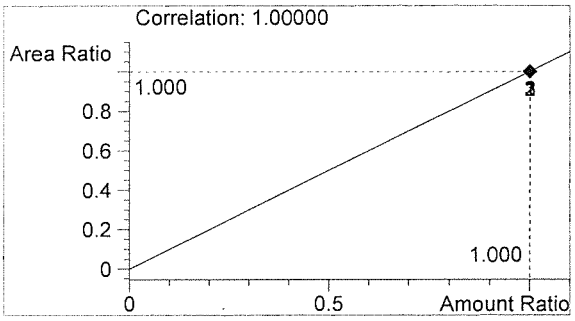
Sample Name: neg control - al
Operator: asa louis
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2804	1.759



Ethanol 0.000 g/100mL

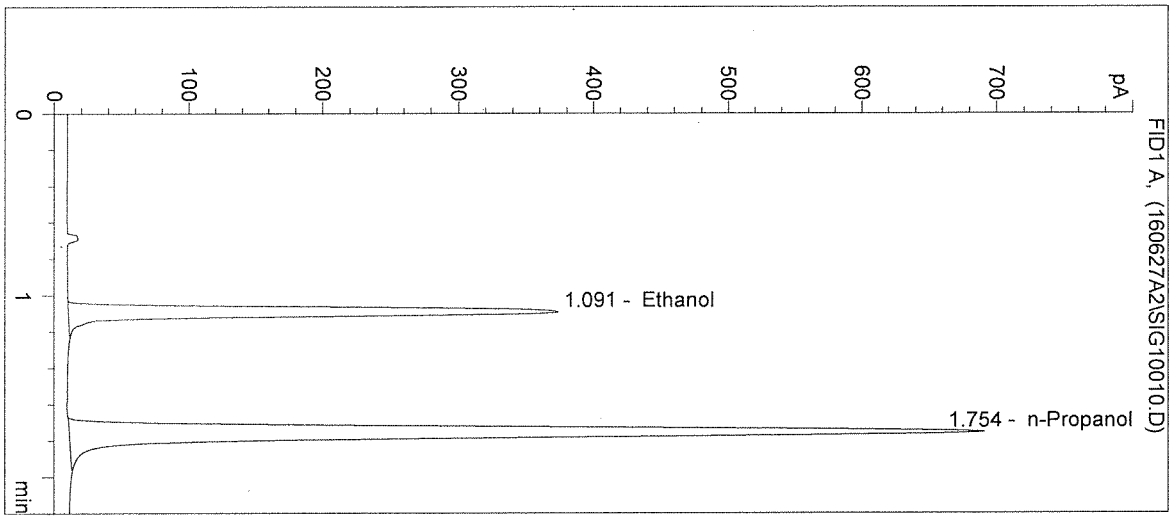


n-Propanol 0.012 g/100mL

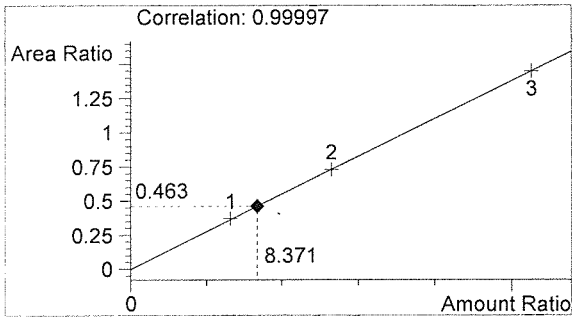
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/27/2016 1:28:40 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

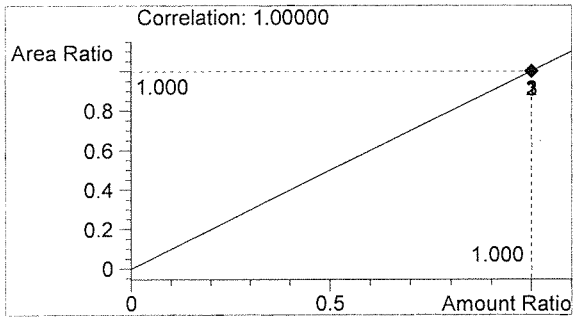
Sample Name: 16021 #1
Operator: asa louis
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	1237	1.091
2	n-Propanol	2674	1.754



Ethanol 0.100 g/100mL

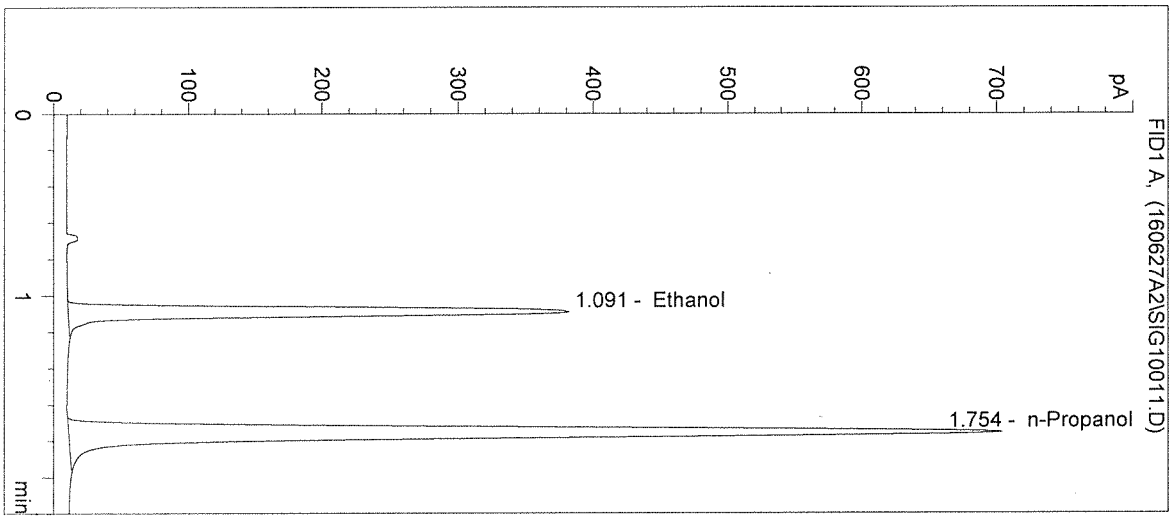


n-Propanol 0.012 g/100mL

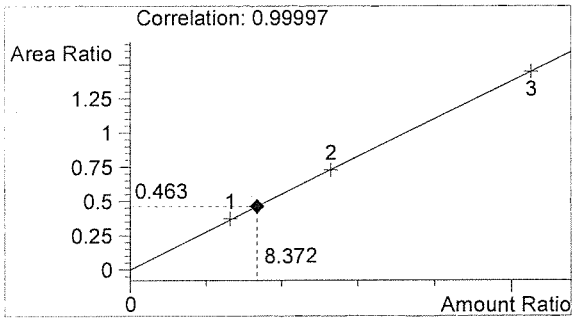
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/27/2016 1:31:53 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

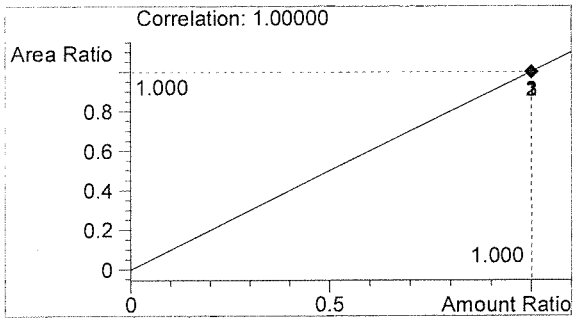
Sample Name: 16021 #2
Operator: asa louis
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	1268	1.091
2	n-Propanol	2741	1.754



Ethanol 0.100 g/100mL

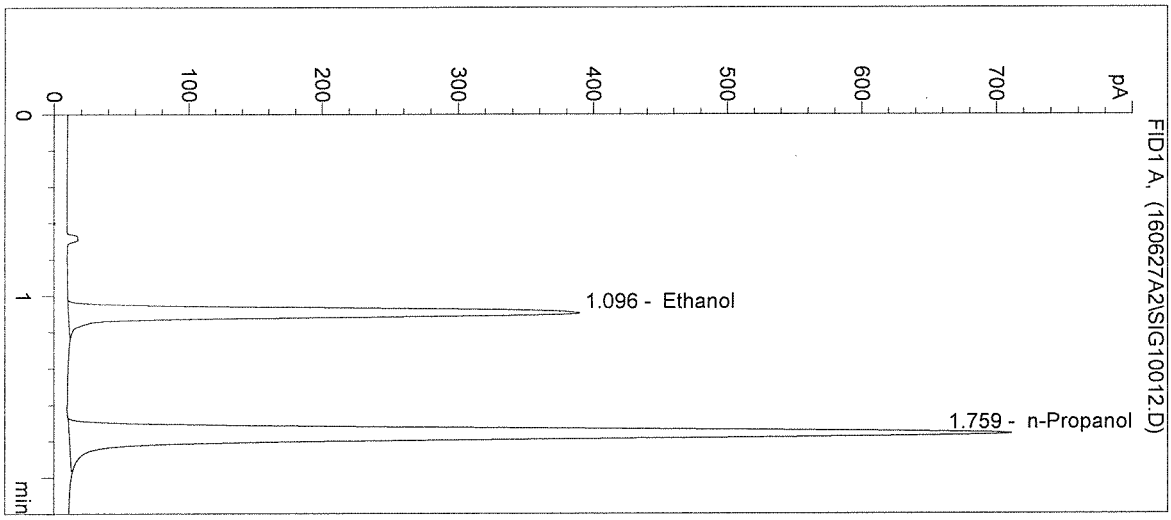


n-Propanol 0.012 g/100mL

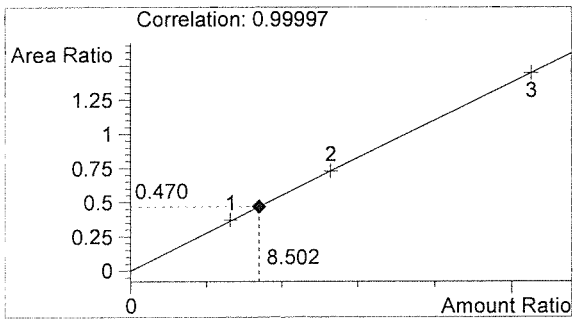
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/27/2016 1:35:06 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

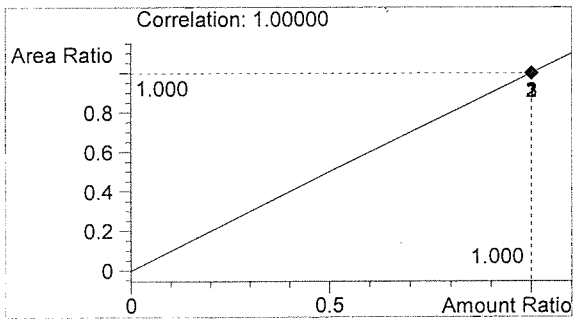
Sample Name: 16021 #3
Operator: asa louis
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	1312	1.096
2	n-Propanol	2791	1.759



Ethanol 0.102 g/100mL

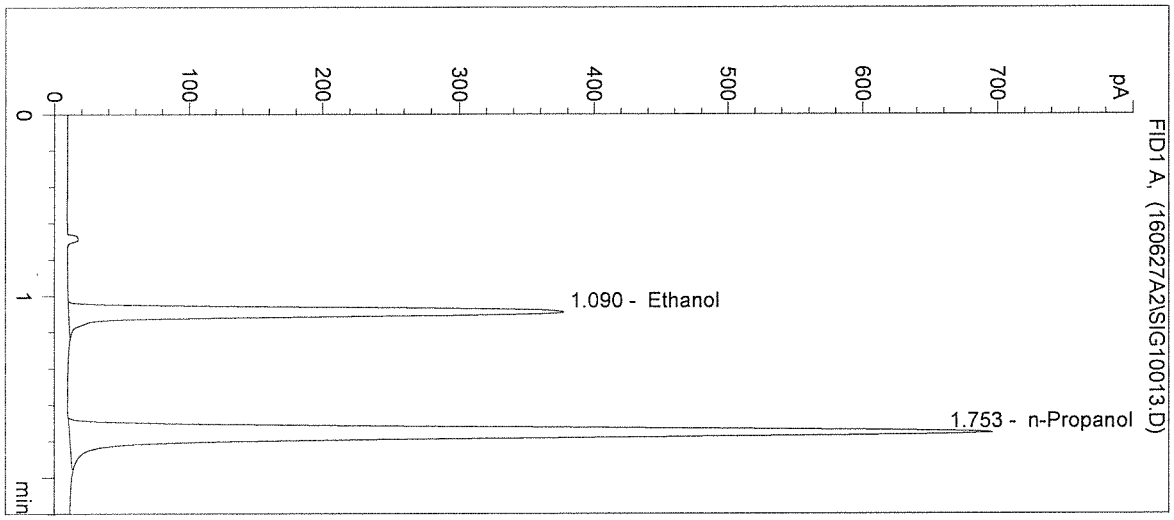


n-Propanol 0.012 g/100mL

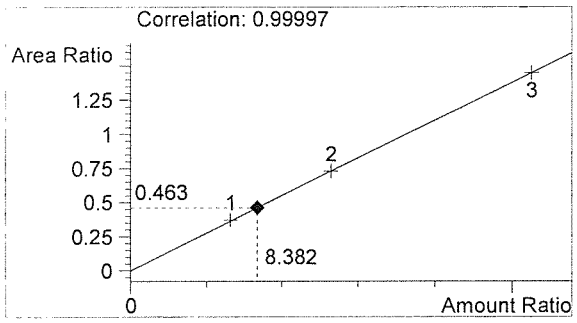
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/27/2016 1:38:19 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

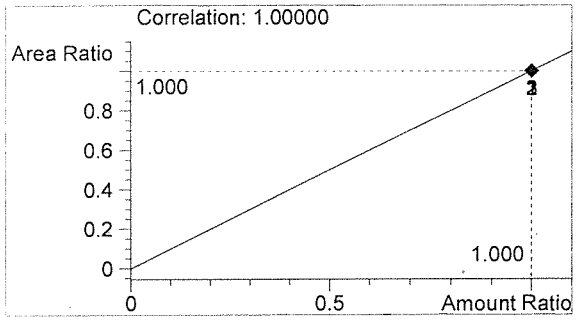
Sample Name: 16021 #4
Operator: asa louis
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	1247	1.090
2	n-Propanol	2692	1.753



Ethanol 0.101 g/100mL

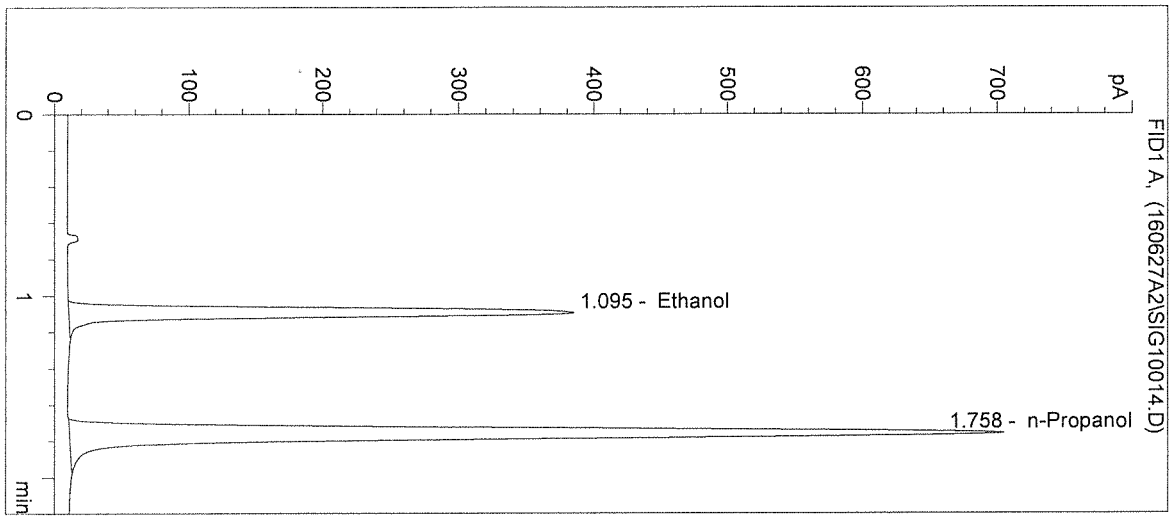


n-Propanol 0.012 g/100mL

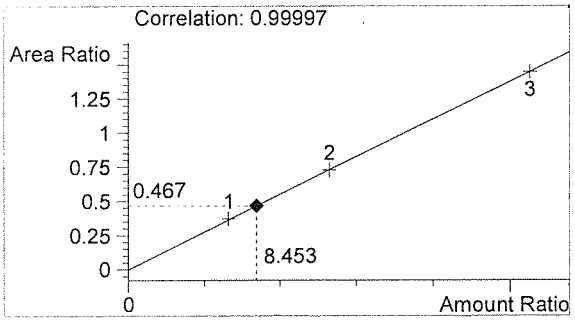
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/27/2016 1:41:32 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

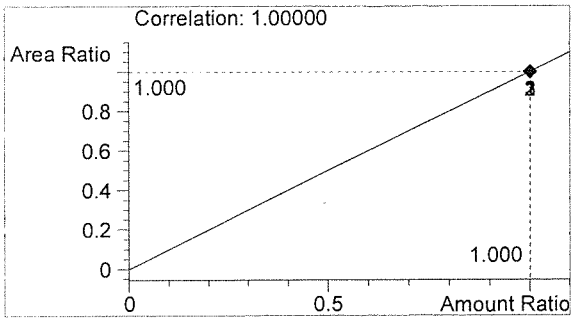
Sample Name: 16021 #5
Operator: asa louis
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	1297	1.095
2	n-Propanol	2776	1.758



Ethanol 0.101 g/100mL

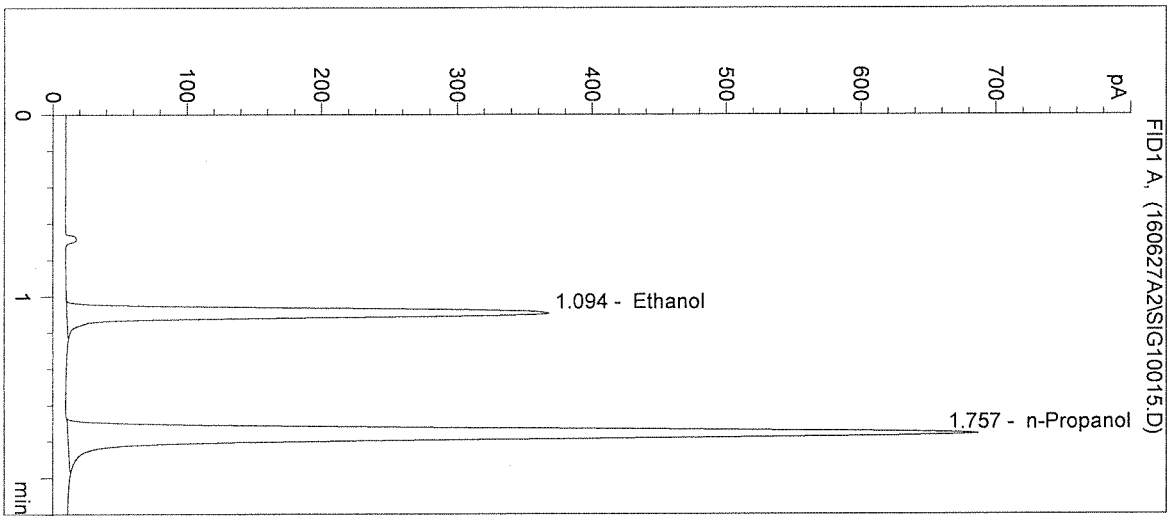


n-Propanol 0.012 g/100mL

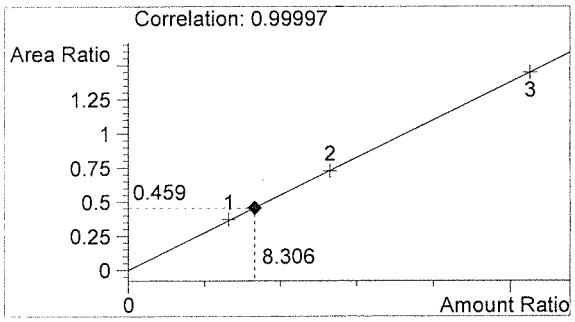
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/27/2016 1:44:45 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ess 16021

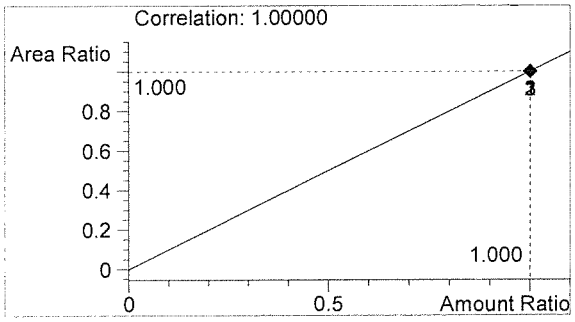
Sample Name: 0.10 ctrl al
Operator: asa louis
Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	1234	1.094
2	n-Propanol	2687	1.757



Ethanol 0.100 g/100mL

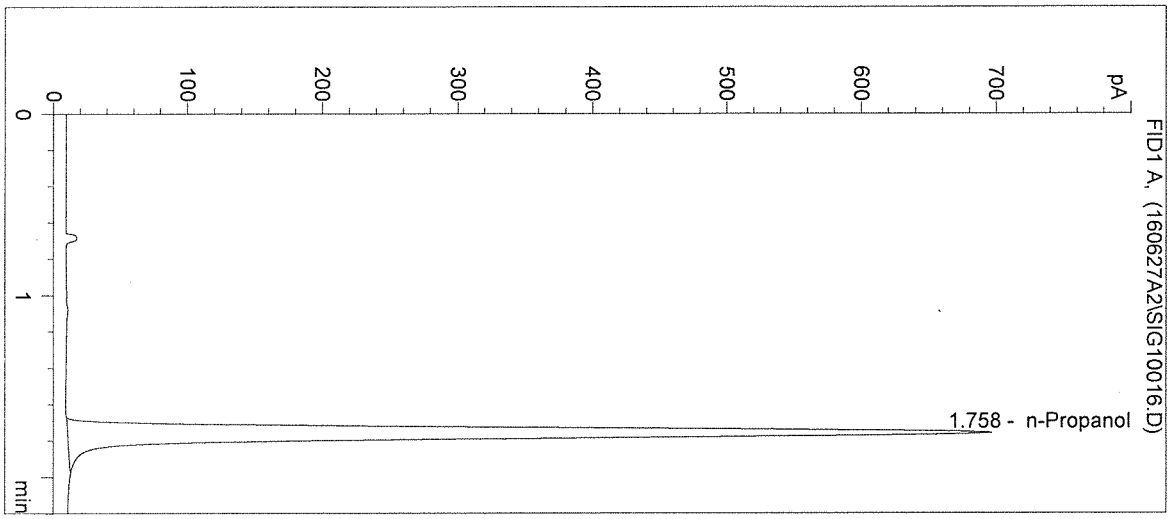


n-Propanol 0.012 g/100mL

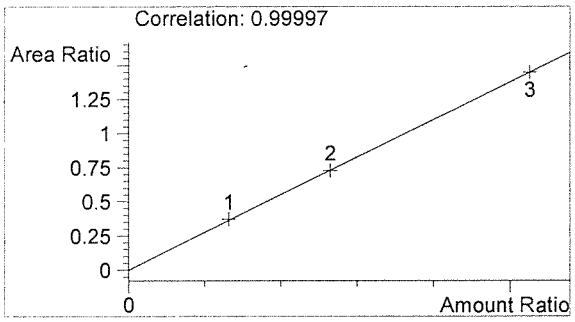
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/27/2016 1:47:59 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ess 16021

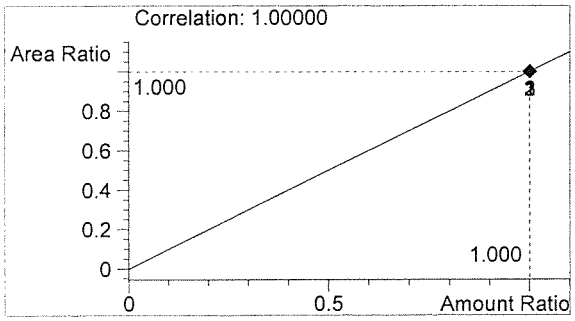
Sample Name: neg control - al
Operator: asa louis
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2723	1.758



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

Sequence Parameters:

Operator:	Brittany Thomas
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:	160628BT
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#E0416-01 Exp 10/1/2016
Cal 2 (0.158g/100mL) Lot#E0416-02 Exp 10/1/2016
Cal 3 (0.316g/100mL) Lot#E0416-03 Exp 10/1/2016
0.04 g/100mL Control 1 - Lot #FN05011301 EXP 05/2018
0.10 g/100mL Control 2 - Lot #FN08051301 EXP 10/2018
0.20 g/100mL Control 3 - Lot #FN03211401 EXP 06/2019
n-propanol ISTD Lot#P0516 EXP 8/31/2016

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	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL BT	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL BT	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL BT	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL BT	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL BT	SIMALC1	1	Ctrl Samp		
10	Vial 10	16021-1	SIMALC1	1	Sample		
11	Vial 11	16021-2	SIMALC1	1	Sample		
12	Vial 12	16021-3	SIMALC1	1	Sample		
13	Vial 13	16021-4	SIMALC1	1	Sample		
14	Vial 14	16021-5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL BT	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL BT	SIMALC1	1	Ctrl Samp		

16021
Jn7/6/16

Calibration Part:

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

BT

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

Sequence Table (Back Injector):

No entries - empty table!

1 6 0 2 1

fn 7/6/16

BT 6/28/16

~~160628 BT~~

BT

Calibration Table

Calib. Data Modified : Tuesday, June 28, 2016 11:28:58 AM

Calculate : Internal Standard
Based on : Peak Area

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

Curve Type : Linear
Origin : Included
Weight : Equal

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

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

Sample ISTD Information:

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

Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.096	1	1	7.91100e-2	1126.41528	7.02316e-5	1		Ethanol
		2	1.59090e-1	1987.59998	8.00413e-5			
		3	3.15200e-1	3982.38159	7.91486e-5			
1.759	1	1	1.20000e-2	2895.23608	4.14474e-6	I1		n-Propanol
		2	1.20000e-2	2676.69336	4.48314e-6			
		3	1.20000e-2	2671.89966	4.49119e-6			

16021
6/28/16

Peak Sum Table

No Entries in table

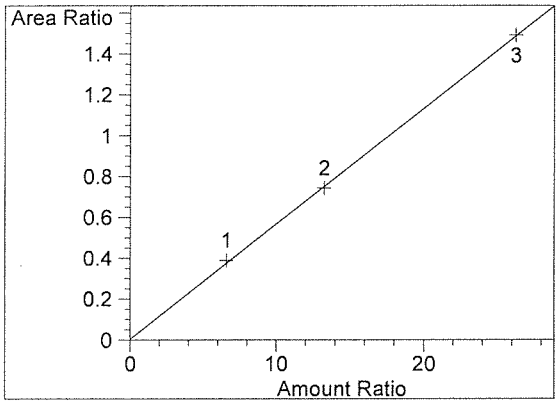
BT 6/28/16
~~16062 8BT~~

BT

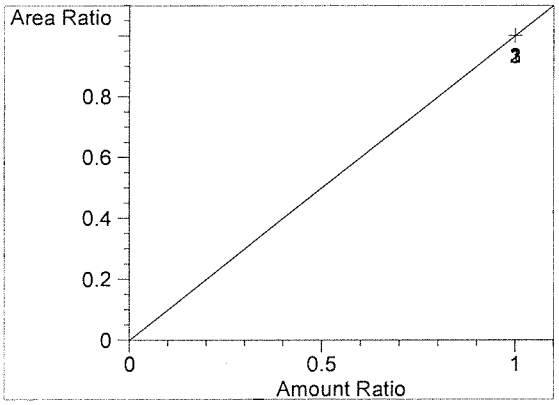
==========

Calibration Curves

==========



Ethanol at exp. RT: 1.096
FID1 A,
Correlation: 0.99988
Residual Std. Dev.: 0.01204
Formula: y = mx + b
m: 5.65034e-2
b: 4.08453e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.759
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

==========

16021

fm 7/6/16

BT 6/28/16

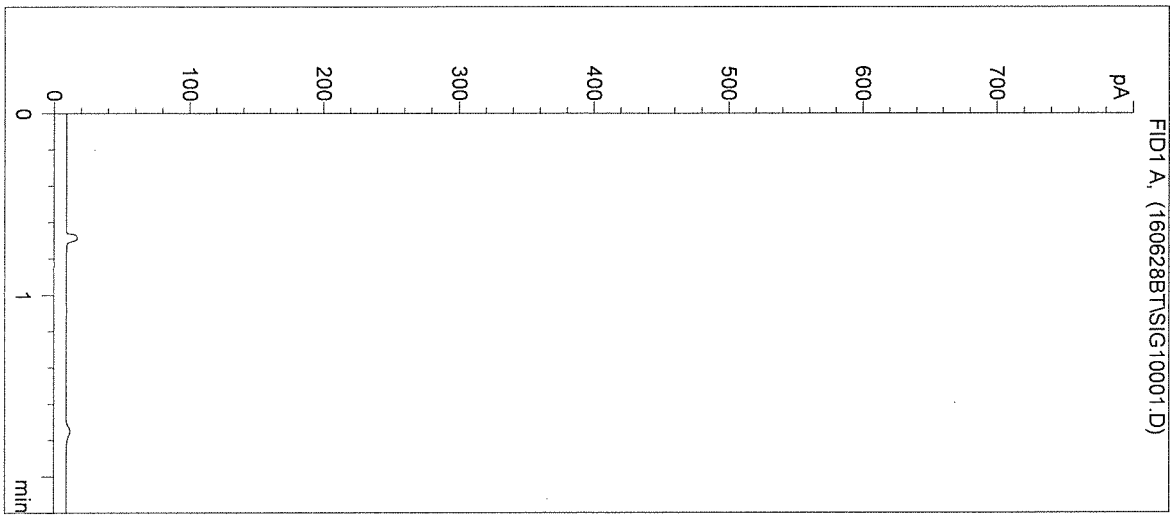
~~160628BT~~

BT

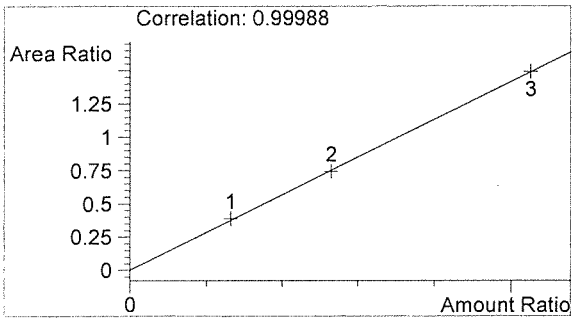
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2016 11:16:52 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16021

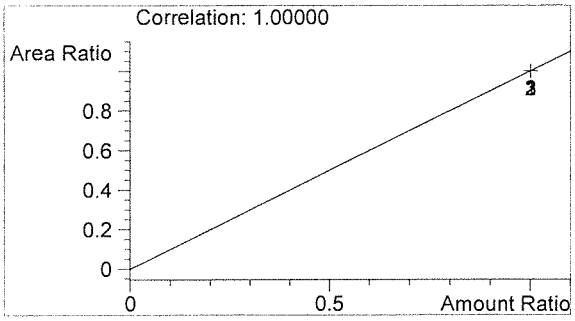
Sample Name: BLANK
Operator: Brittany Thomas
Location: Vial 1



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



Ethanol 0.000 g/100mL



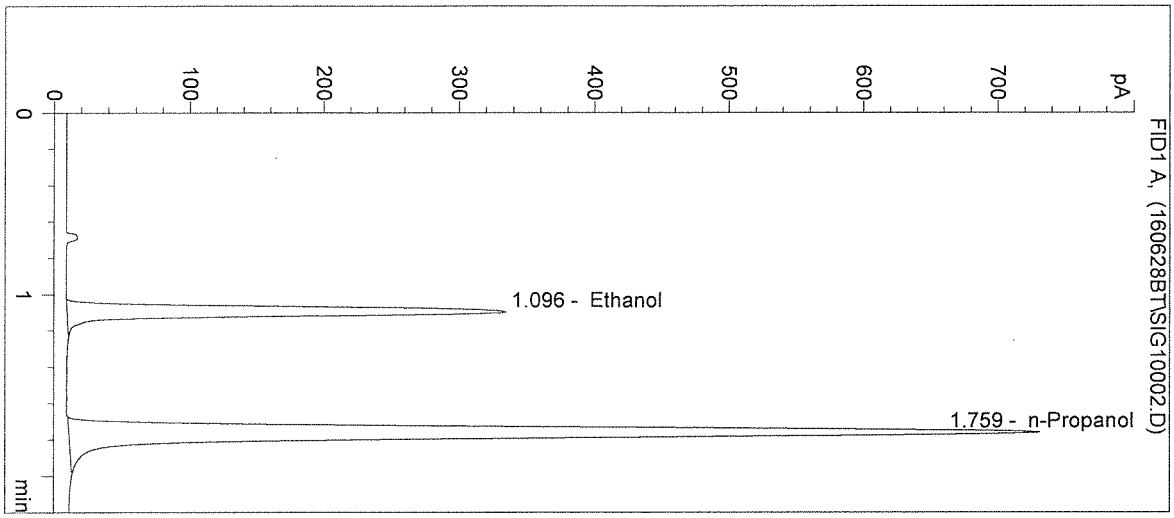
n-Propanol 0.000 g/100mL

BT

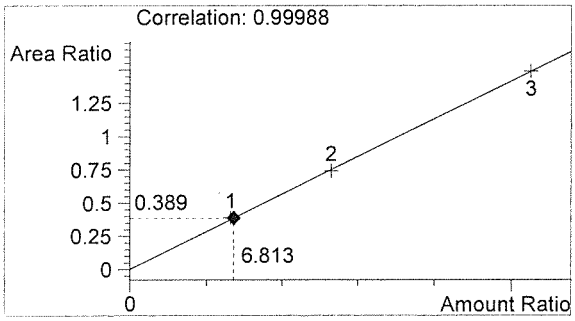
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2016 11:20:11 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16021

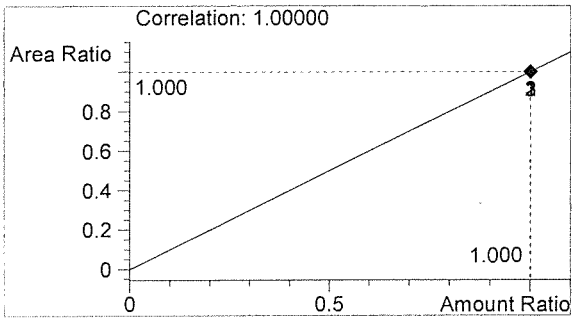
Sample Name: 0.079 CAL
Operator: Brittany Thomas
Location: Vial 2



#	Compound	Peak Area	RT (min)
1	Ethanol	1126	1.096
2	n-Propanol	2895	1.759



Ethanol 0.082 g/100mL



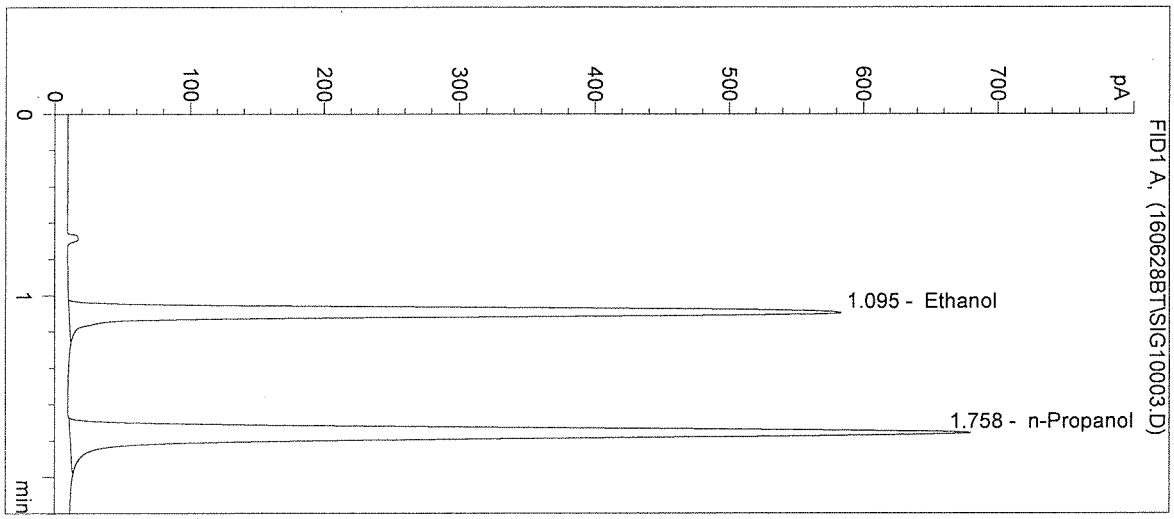
n-Propanol 0.012 g/100mL

BT

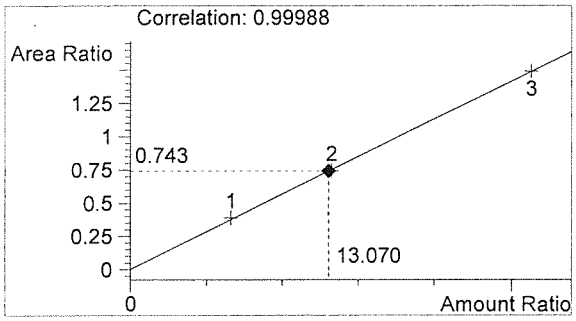
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2016 11:23:27 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16021

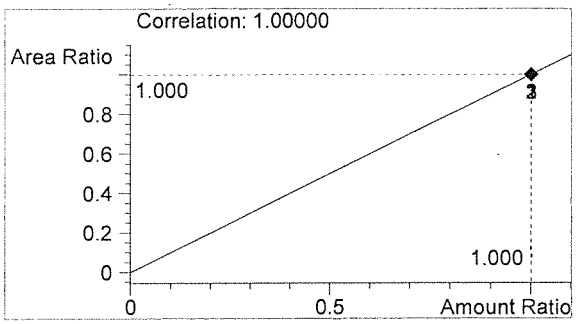
Sample Name: 0.158 CAL
Operator: Brittany Thomas
Location: Vial 3



#	Compound	Peak Area	RT (min)
1	Ethanol	1988	1.095
2	n-Propanol	2677	1.758



Ethanol 0.157 g/100mL



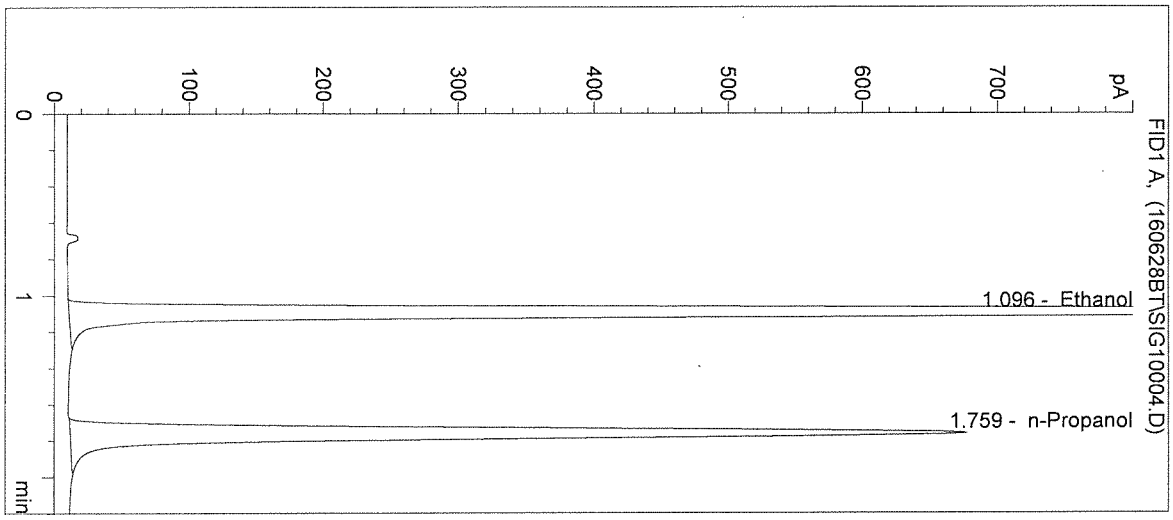
n-Propanol 0.012 g/100mL

BT

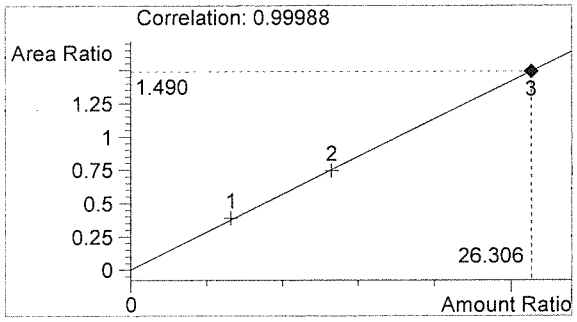
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2016 11:26:45 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16021

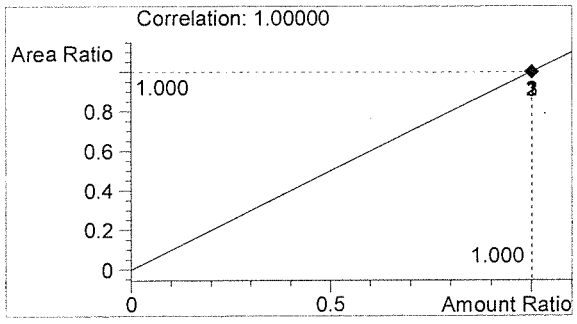
Sample Name: 0.316 CAL
Operator: Brittany Thomas
Location: Vial 4



#	Compound	Peak Area	RT (min)
1	Ethanol	3982	1.096
2	n-Propanol	2672	1.759



Ethanol 0.316 g/100mL



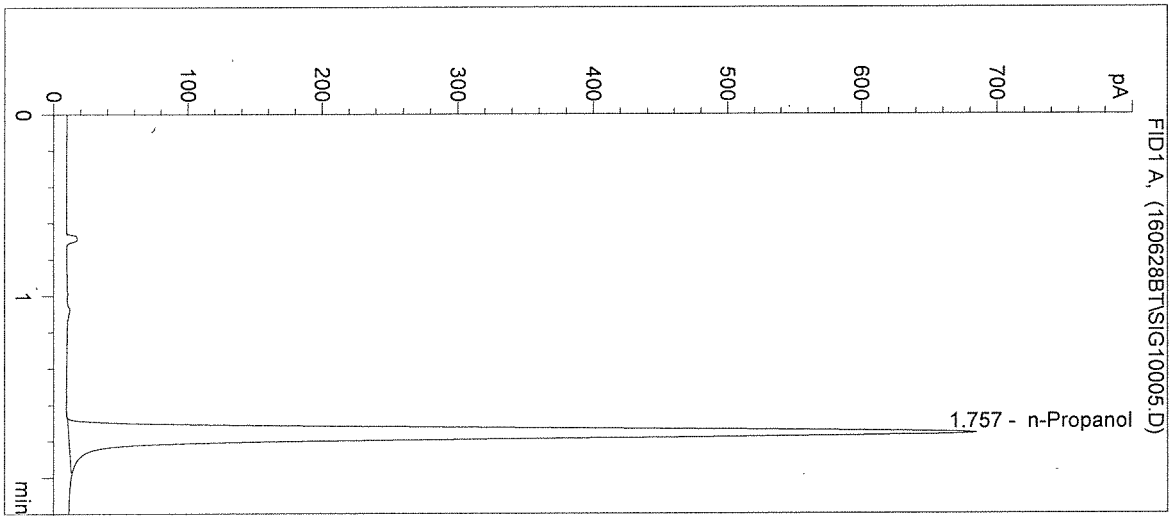
n-Propanol 0.012 g/100mL

BT

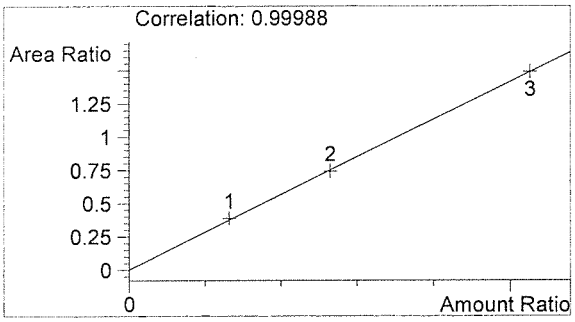
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2016 11:29:58 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16021

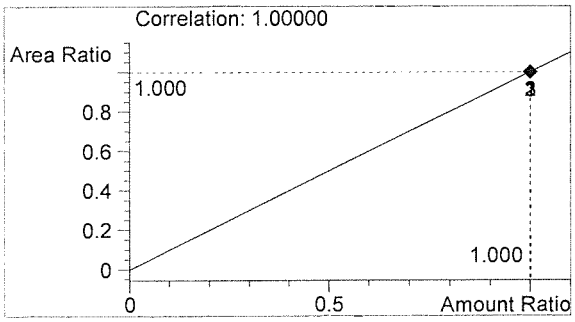
Sample Name: NEG CTRL BT
Operator: Brittany Thomas
Location: Vial 5



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2693	1.757



Ethanol 0.000 g/100mL

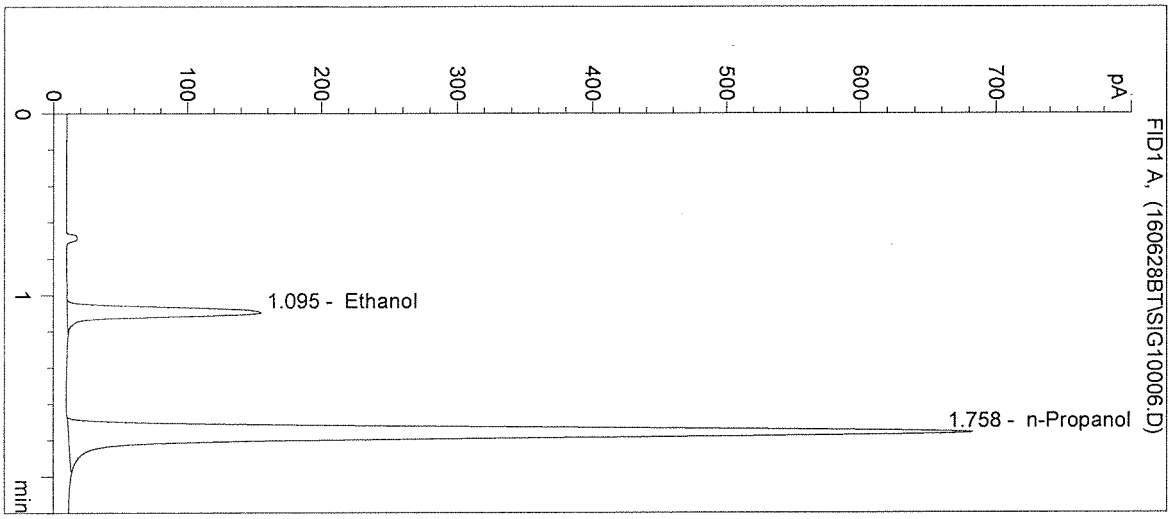


n-Propanol 0.012 g/100mL

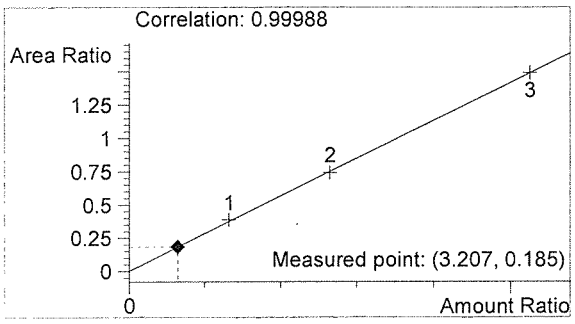
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2016 11:33:12 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16021

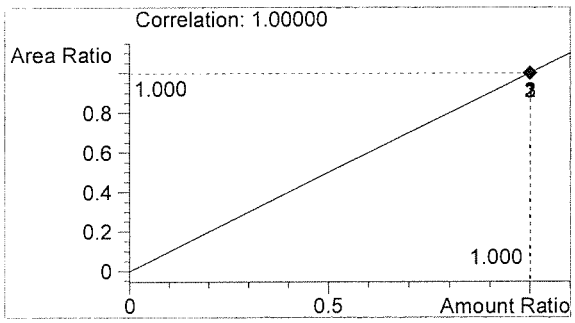
Sample Name: 0.04 CTRL BT
Operator: Brittany Thomas
Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	499	1.095
2	n-Propanol	2693	1.758



Ethanol 0.038 g/100mL



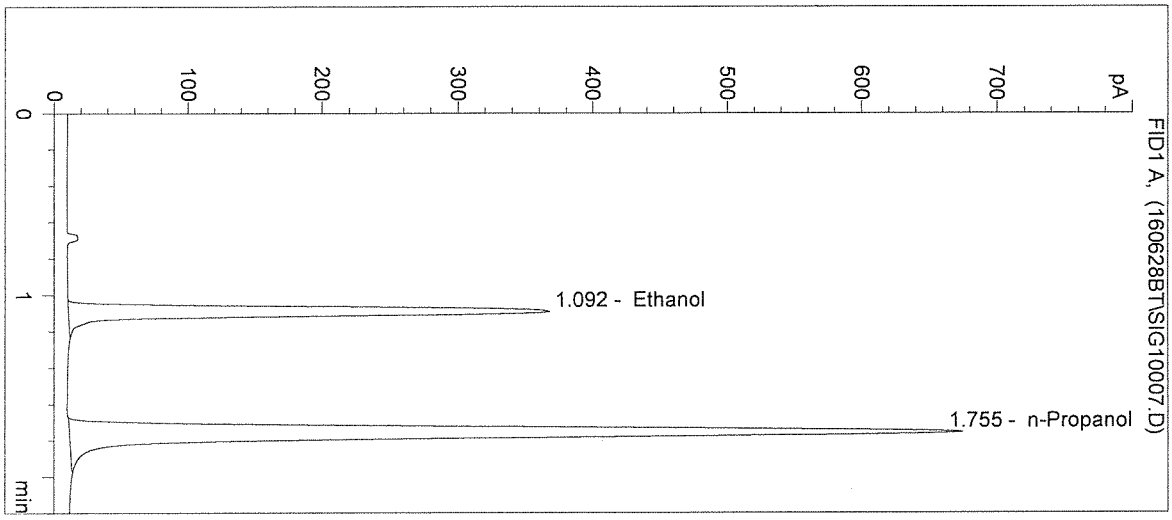
n-Propanol 0.012 g/100mL

BT

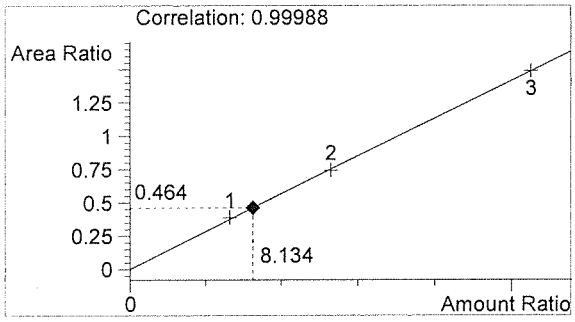
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2016 11:36:24 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16021

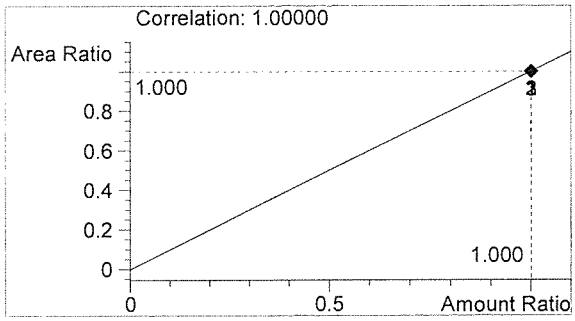
Sample Name: 0.10 CTRL BT
Operator: Brittany Thomas
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	1226	1.092
2	n-Propanol	2645	1.755



Ethanol 0.098 g/100mL

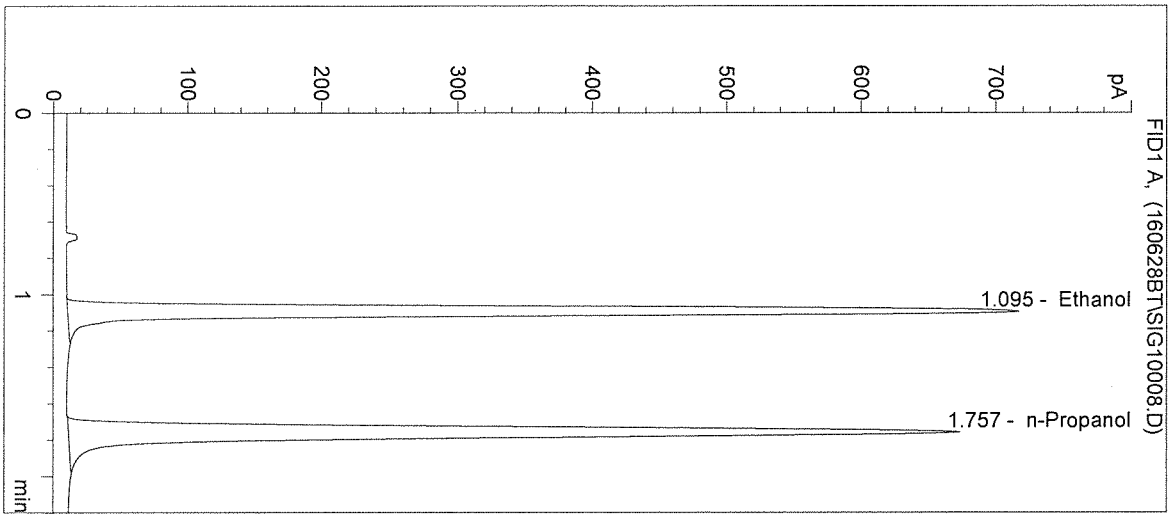


n-Propanol 0.012 g/100mL

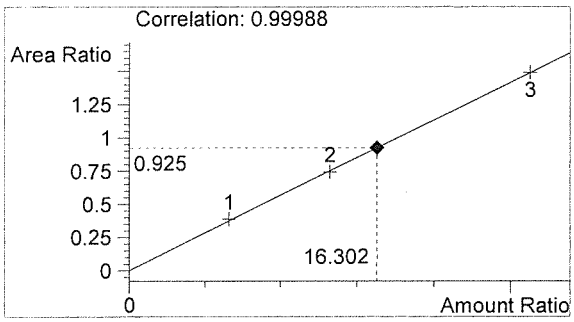
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2016 11:39:38 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16021

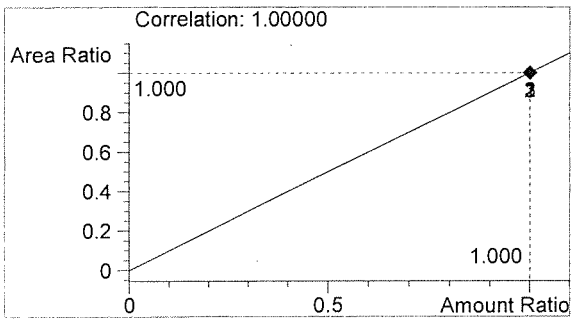
Sample Name: 0.20 CTRL BT
Operator: Brittany Thomas
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	2458	1.095
2	n-Propanol	2657	1.757



Ethanol 0.196 g/100mL

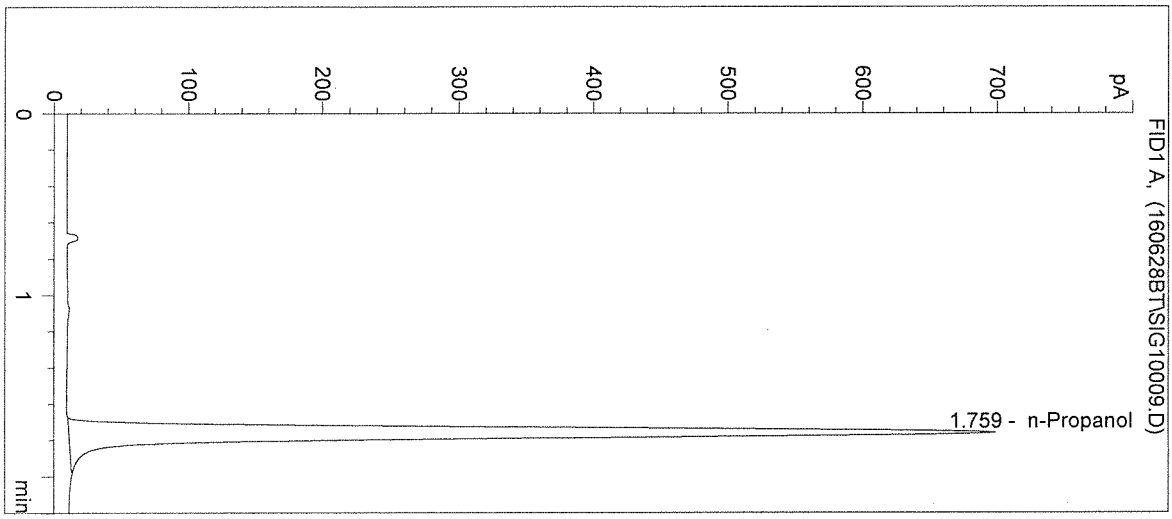


n-Propanol 0.012 g/100mL

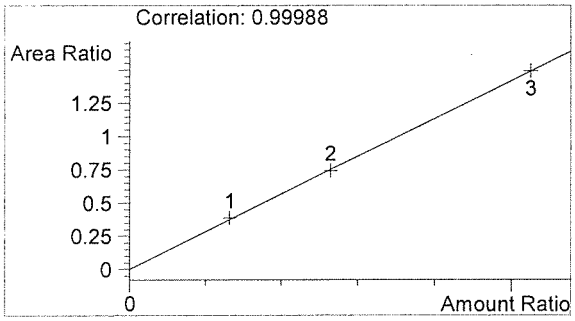
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2016 11:42:51 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16021

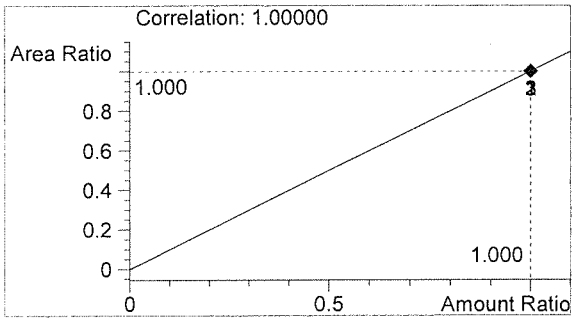
Sample Name: NEG CTRL BT
Operator: Brittany Thomas
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2763	1.759



Ethanol 0.000 g/100mL

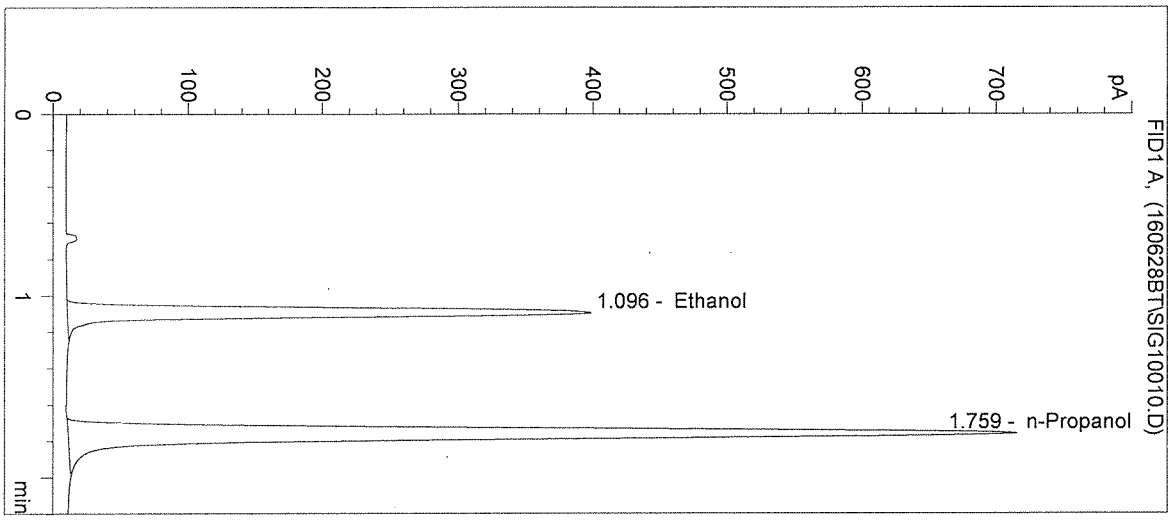


n-Propanol 0.012 g/100mL

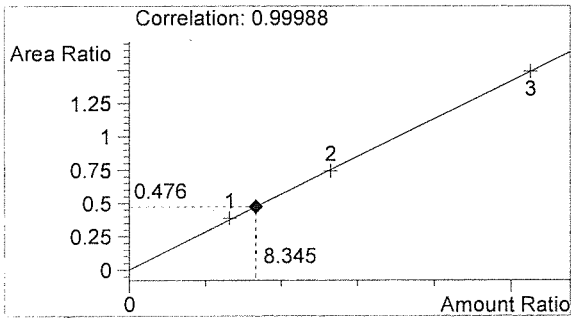
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2016 11:46:04 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

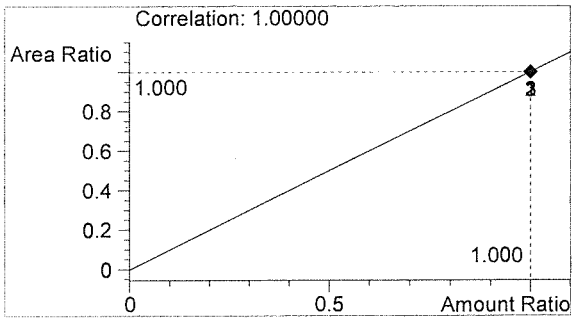
Sample Name: 16021-1
Operator: Brittany Thomas
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	1352	1.096
2	n-Propanol	2842	1.759



Ethanol 0.100 g/100mL

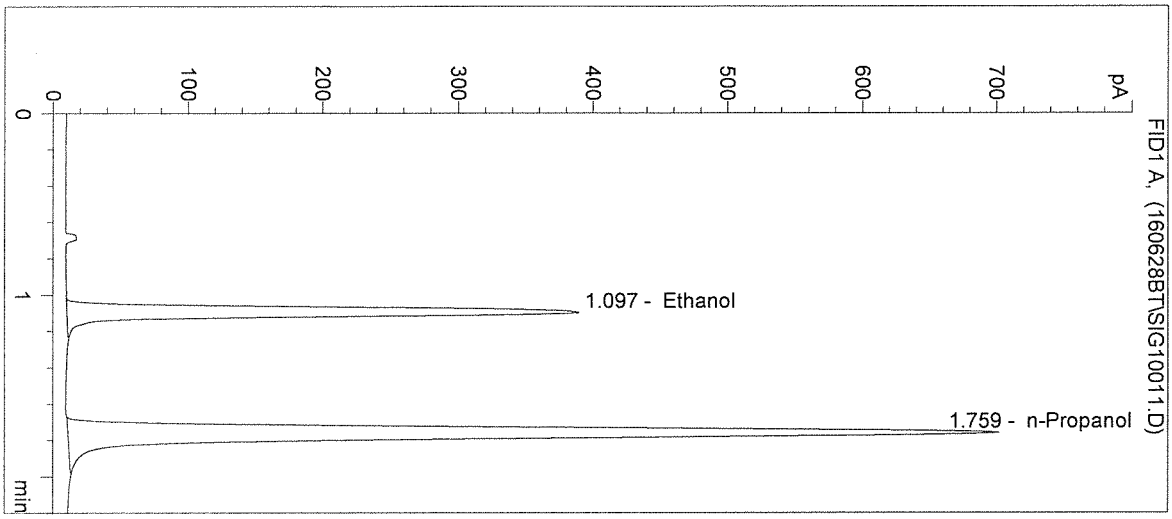


n-Propanol 0.012 g/100mL

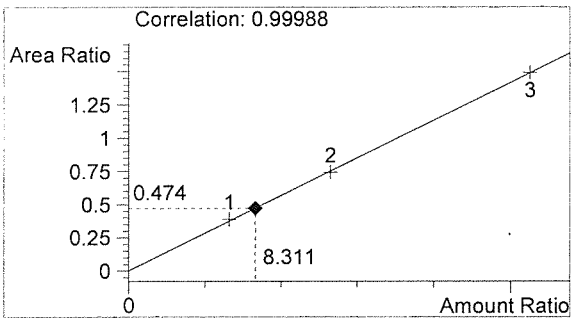
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2016 11:49:18 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

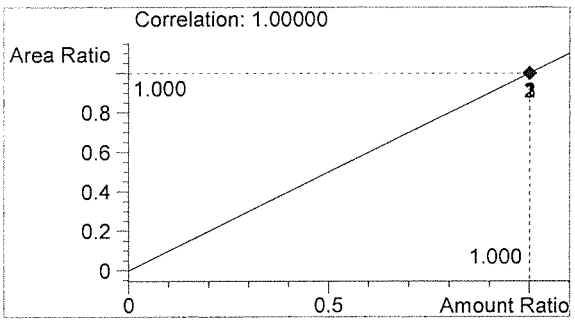
Sample Name: 16021-2
Operator: Brittany Thomas
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	1321	1.097
2	n-Propanol	2790	1.759



Ethanol 0.100 g/100mL



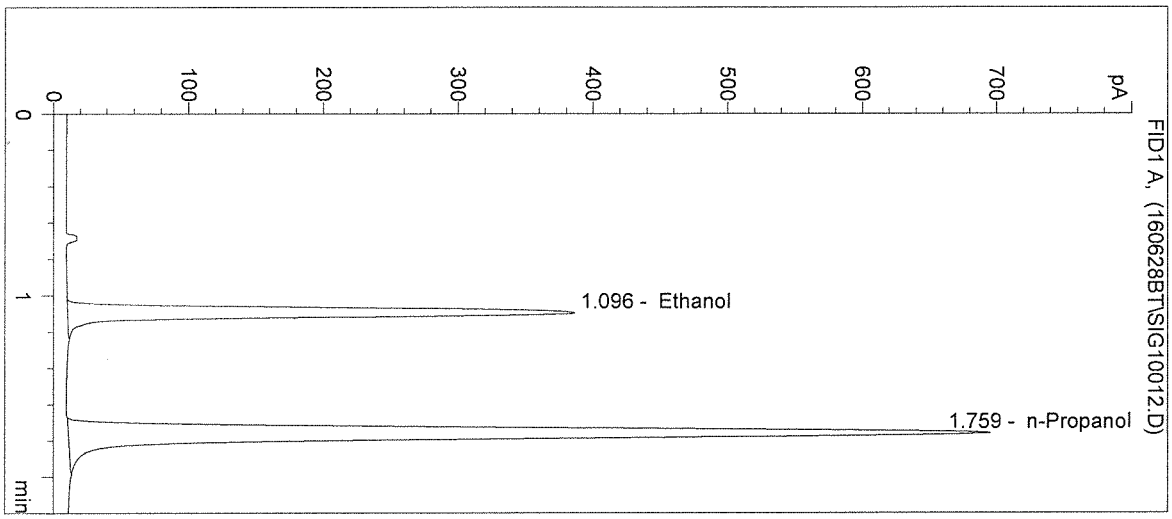
n-Propanol 0.012 g/100mL

BT

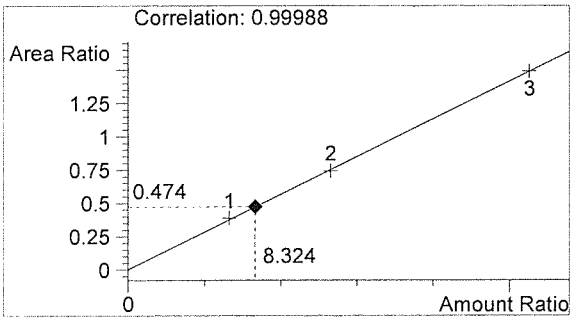
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2016 11:52:31 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

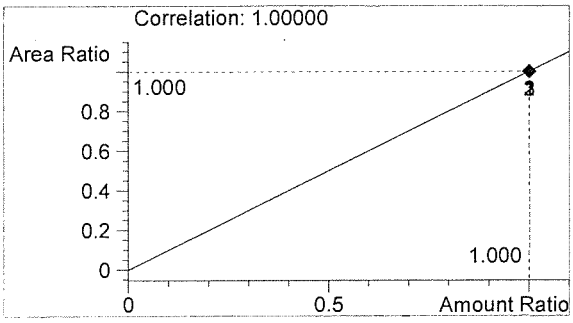
Sample Name: 16021-3
Operator: Brittany Thomas
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	1306	1.096
2	n-Propanol	2752	1.759



Ethanol 0.100 g/100mL



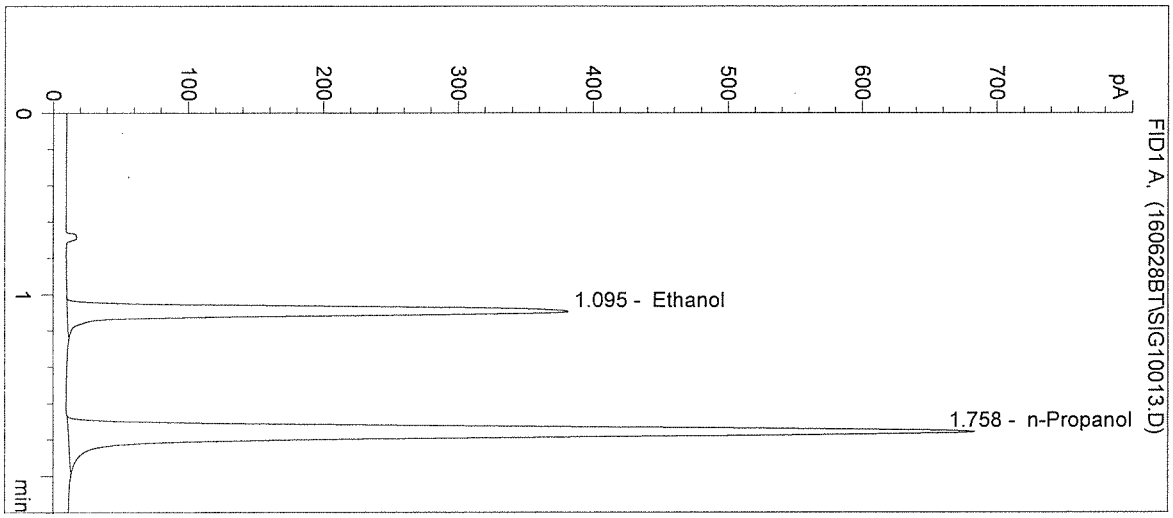
n-Propanol 0.012 g/100mL

BT

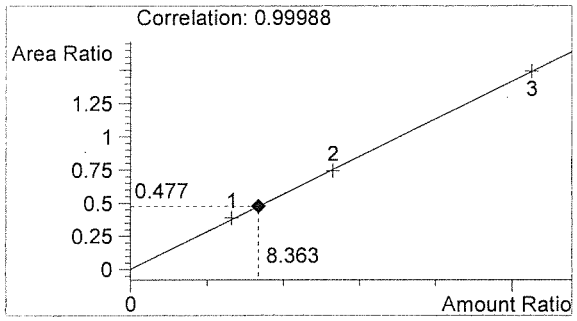
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2016 11:55:43 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

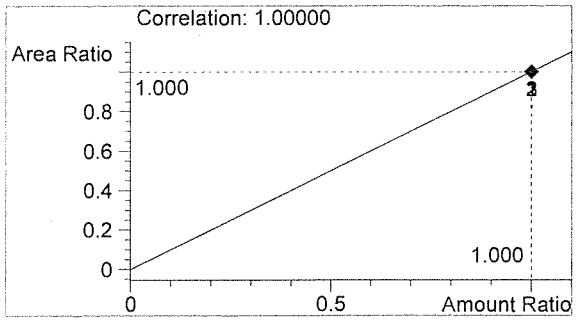
Sample Name: 16021-4
Operator: Brittany Thomas
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	1284	1.095
2	n-Propanol	2695	1.758



Ethanol 0.100 g/100mL



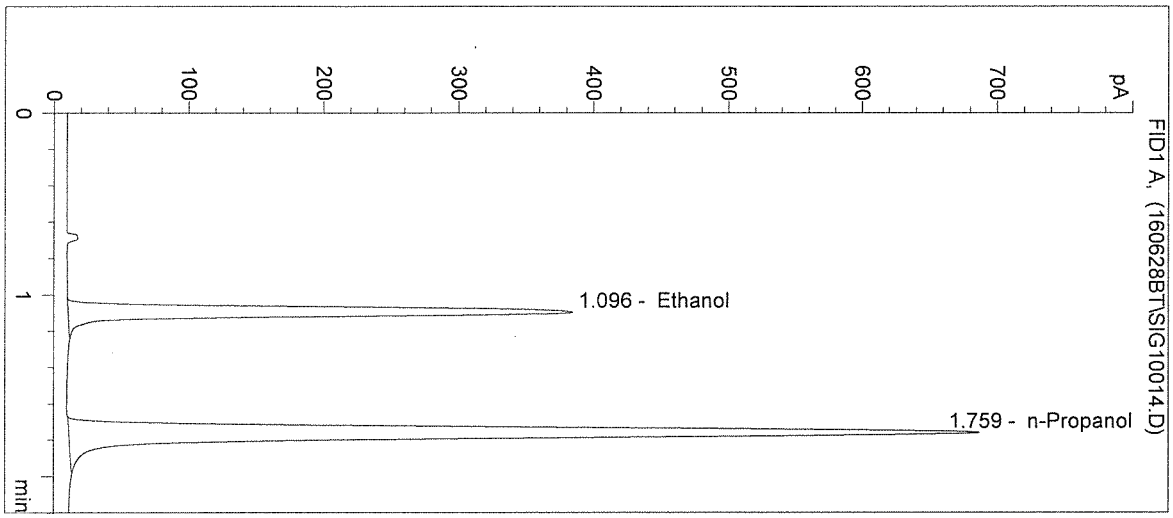
n-Propanol 0.012 g/100mL

BT

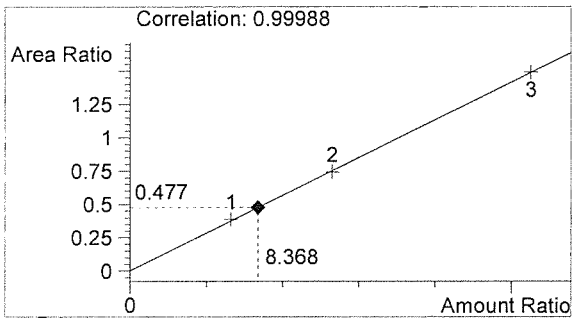
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2016 11:58:57 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

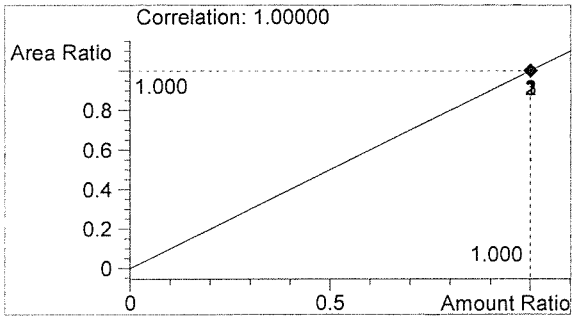
Sample Name: 16021-5
Operator: Brittany Thomas
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	1295	1.096
2	n-Propanol	2716	1.759



Ethanol 0.100 g/100mL

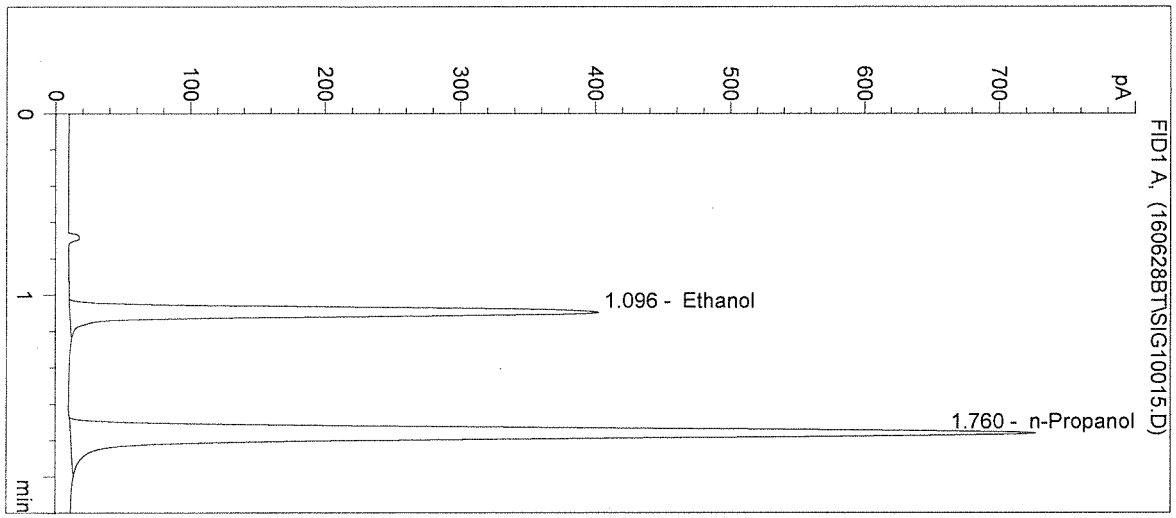


n-Propanol 0.012 g/100mL

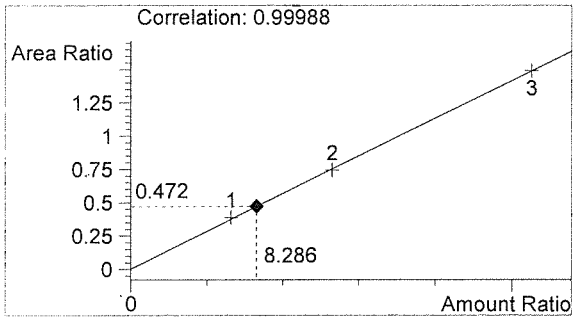
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2016 12:02:10 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16021

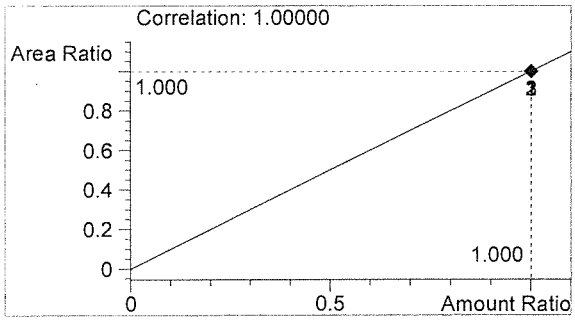
Sample Name: 0.10 CTRL BT
Operator: Brittany Thomas
Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	1367	1.096
2	n-Propanol	2894	1.760



Ethanol 0.099 g/100mL



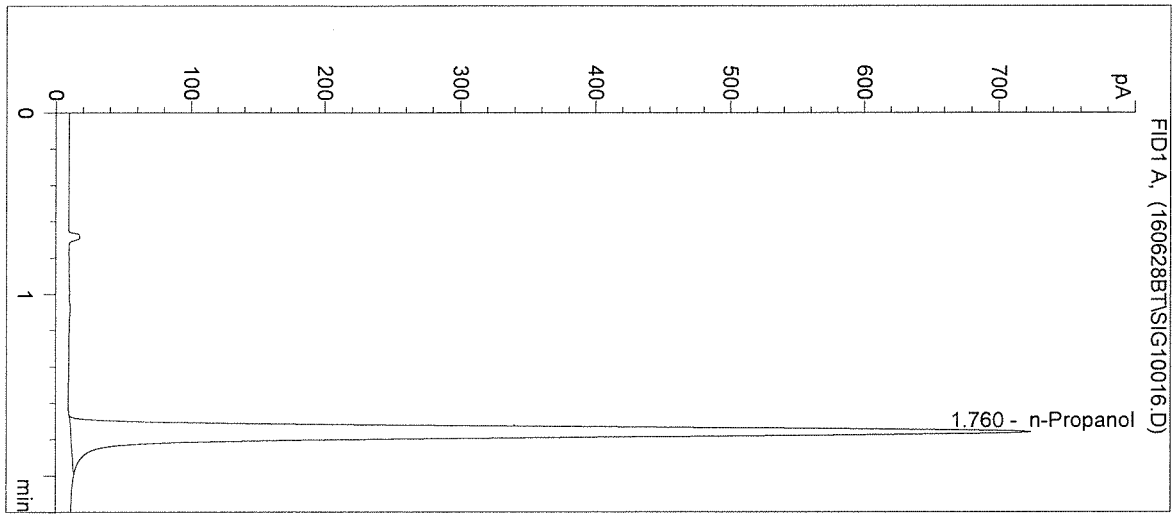
n-Propanol 0.012 g/100mL

BT

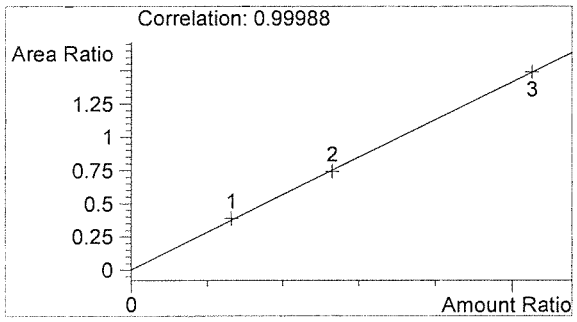
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2016 12:05:23 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16021

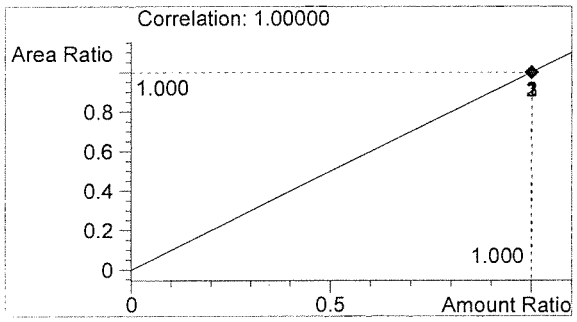
Sample Name: NEG CTRL BT
Operator: Brittany Thomas
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2879	1.760



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

BT

Sequence Parameters:

Operator:	Lyndsey Knoy
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	160628LK
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E0416-01 - Exp. 10/01/2016
Ethanol Calibrator 2, E0416-02 - Exp. 10/01/2016
Ethanol Calibrator 3, E0416-03 - Exp. 10/01/2016
CTRL1 (0.04g/100mL), Lot # FN05011301 - Exp. 05/2018
CTRL2 (0.10g/100mL), Lot # FN08051301 - Exp. 10/2018
CTRL3 (0.20g/100mL), Lot # FN03211401 - Exp. 06/2019

Internal Standard Lot#P0516 - Exp. 08/31/2016

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	16021 #1	SIMALC1	1	Sample		
11	Vial 11	16021 #2	SIMALC1	1	Sample		
12	Vial 12	16021 #3	SIMALC1	1	Sample		
13	Vial 13	16021 #4	SIMALC1	1	Sample		
14	Vial 14	16021 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp		

16021
fn 7/6/16

Calibration Part:

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

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

Sequence Table (Back Injector):

No entries - empty table!

16021

Jn 7/6/16

Calibration Table

Calib. Data Modified : Tuesday, June 28, 2016 1:07:53 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
1.093	1	1	7.91100e-2	963.45862	8.21104e-5	1		Ethanol
		2	1.59090e-1	2008.38403	7.92129e-5			
		3	3.15200e-1	4046.58740	7.78928e-5			
1.756	1	1	1.20000e-2	2612.88745	4.59262e-6	I1		n-Propanol
		2	1.20000e-2	2655.10718	4.51959e-6			
		3	1.20000e-2	2618.56836	4.58266e-6			

16021

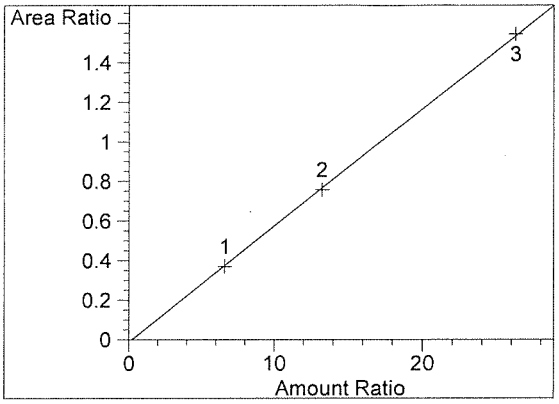
Peak Sum Table

No Entries in table

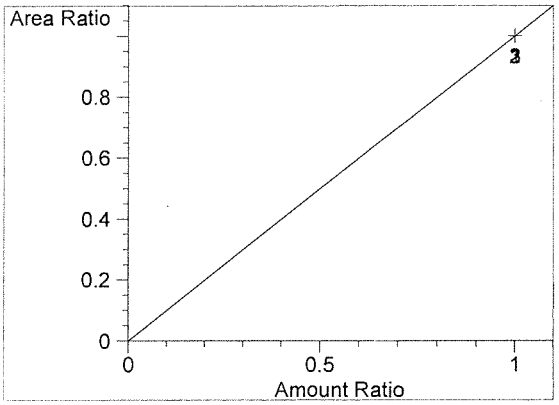
==========

Calibration Curves

==========



Ethanol at exp. RT: 1.093
FID1 A,
Correlation: 0.99983
Residual Std. Dev.: 0.01512
Formula: y = mx + b
m: 5.89751e-2
b: -1.23090e-2
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.756
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

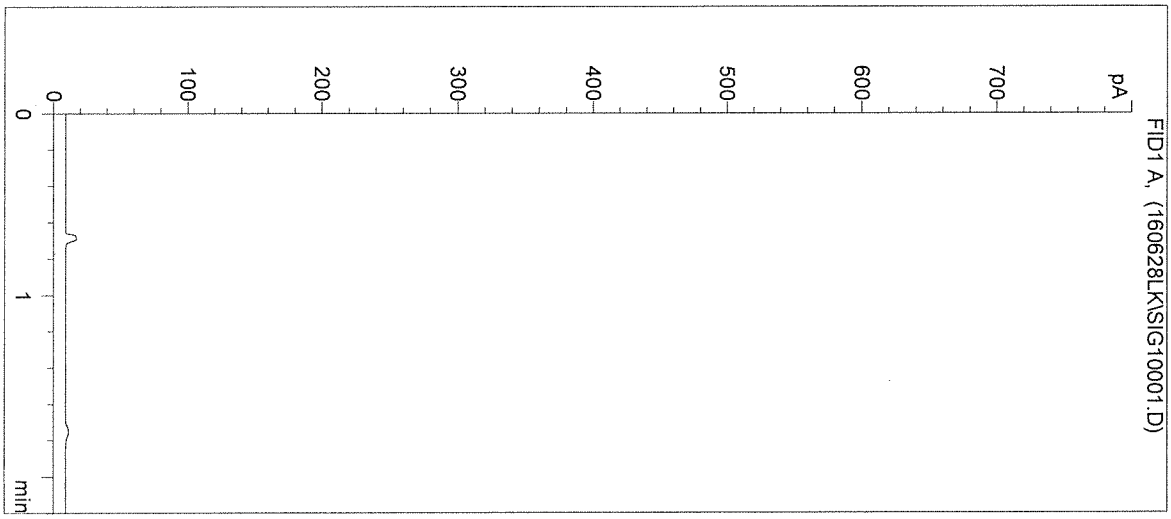
==========

16021
Jn7/6/16

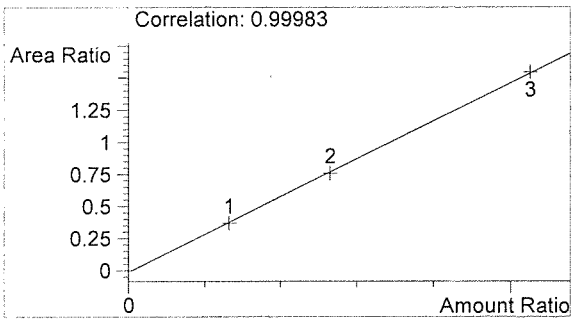
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2016 12:55:48 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

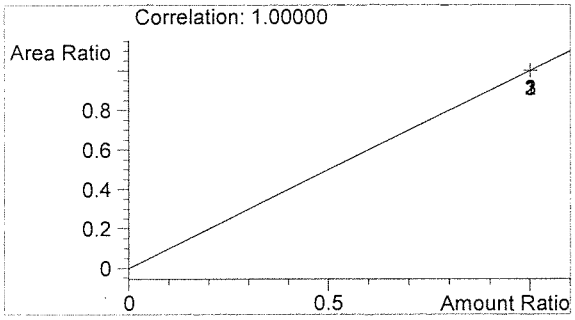
Sample Name: BLANK
Operator: Lyndsey Knoy
Location: Vial 1



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



Ethanol 0.000 g/100mL



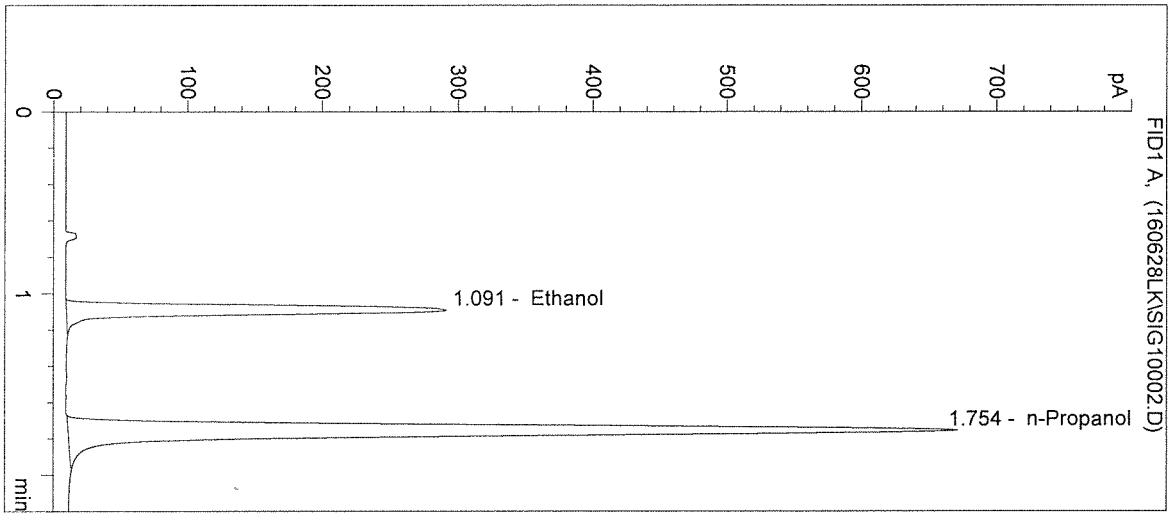
n-Propanol 0.000 g/100mL

16021
7/6/16

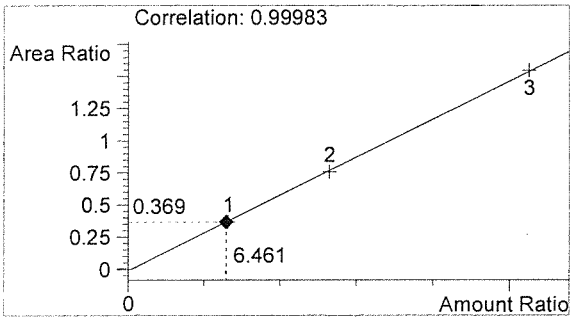
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2016 12:59:07 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

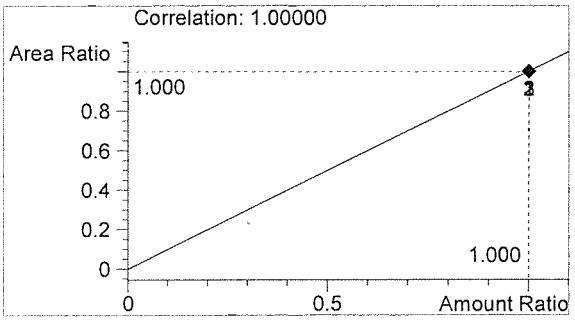
Sample Name: 0.079 CAL 1
Operator: Lyndsey Knoy
Location: Vial 2



#	Compound	Peak Area	RT (min)
1	Ethanol	963	1.091
2	n-Propanol	2613	1.754



Ethanol 0.078 g/100mL



n-Propanol 0.012 g/100mL

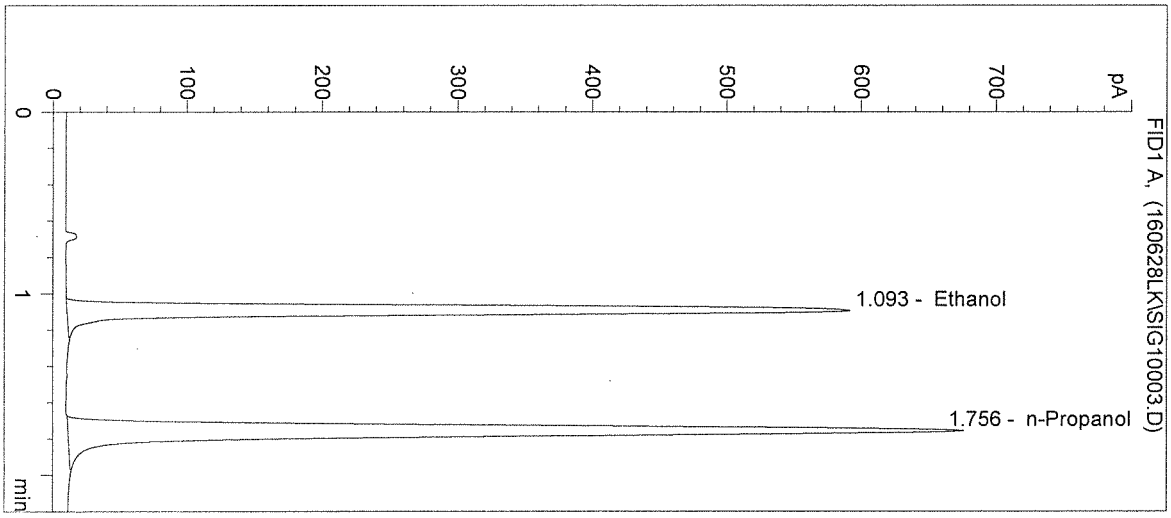
16021

Data File: C:\HPCHEM\1\DATA\160628LK\SIG10002.D

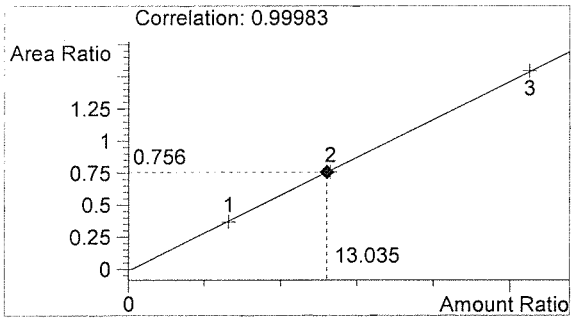
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2016 1:02:22 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

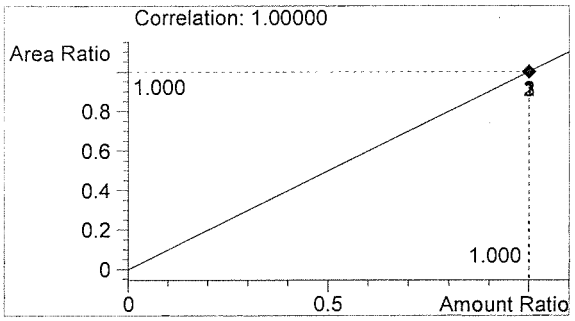
Sample Name: 0.158 CAL 2
Operator: Lyndsey Knoy
Location: Vial 3



#	Compound	Peak Area	RT (min)
1	Ethanol	2008	1.093
2	n-Propanol	2655	1.756



Ethanol 0.156 g/100mL



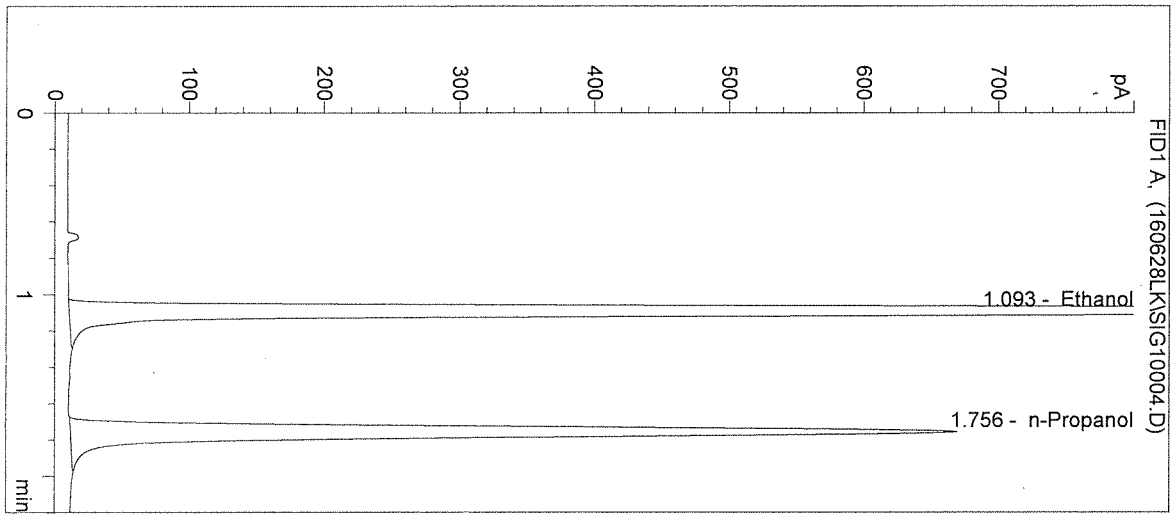
n-Propanol 0.012 g/100mL

16021
7/16/16

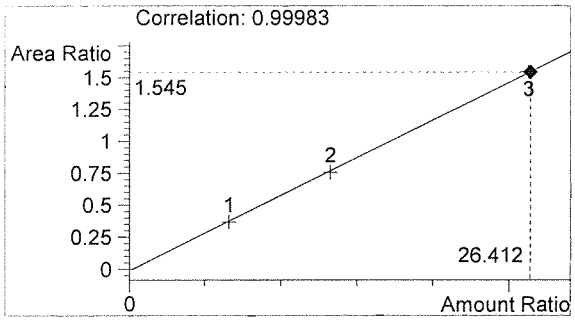
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2016 1:05:40 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

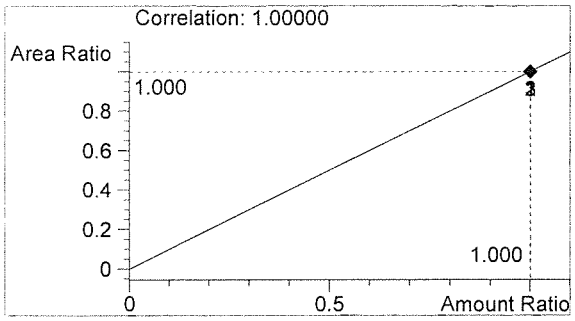
Sample Name: 0.316 CAL 3
Operator: Lyndsey Knoy
Location: Vial 4



#	Compound	Peak Area	RT (min)
1	Ethanol	4047	1.093
2	n-Propanol	2619	1.756



Ethanol 0.317 g/100mL



n-Propanol 0.012 g/100mL

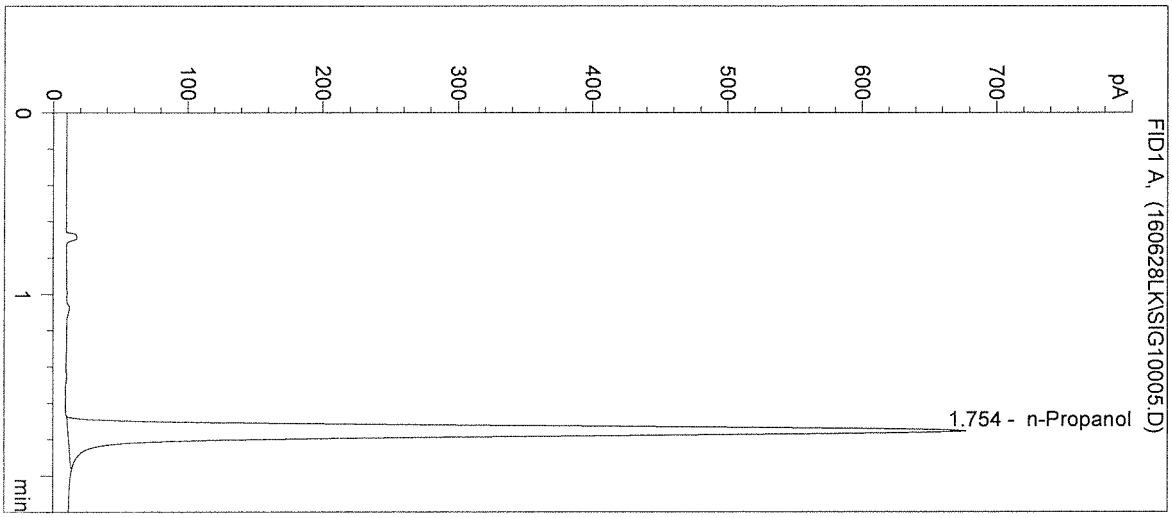
16021
7/6/16

LK

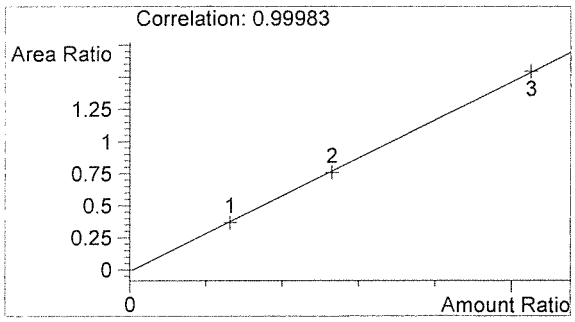
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2016 1:08:54 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

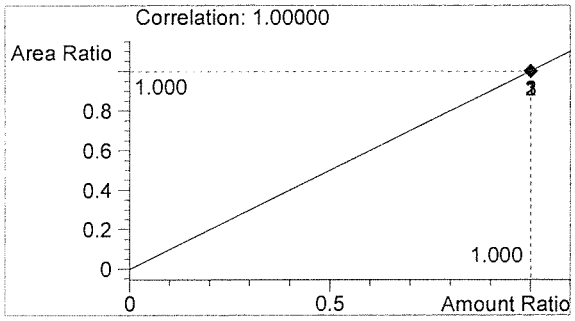
Sample Name: NEG CTRL
Operator: Lyndsey Knoy
Location: Vial 5



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2646	1.754



Ethanol 0.000 g/100mL



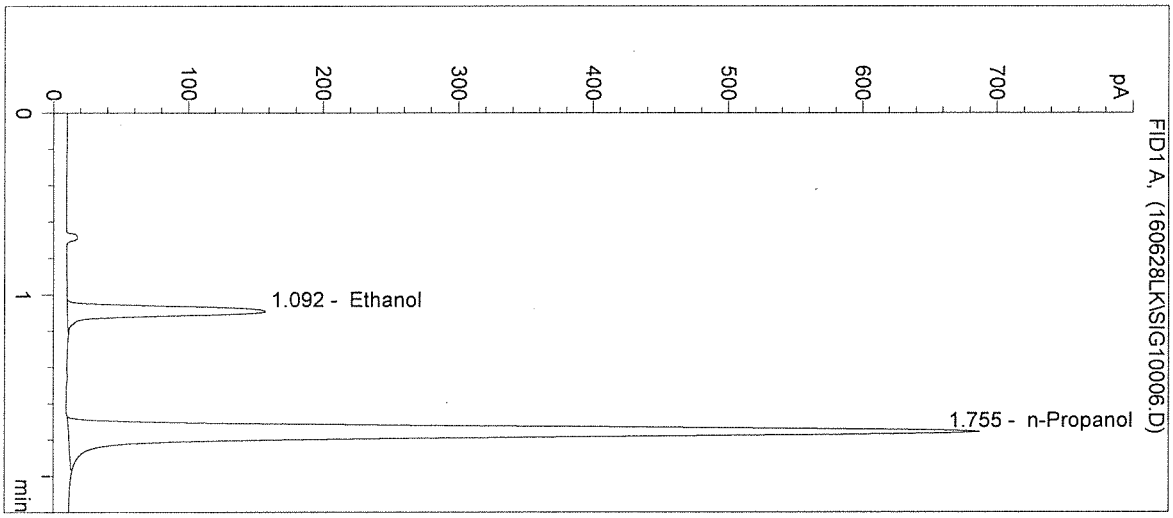
n-Propanol 0.012 g/100mL

16021
7/6/16

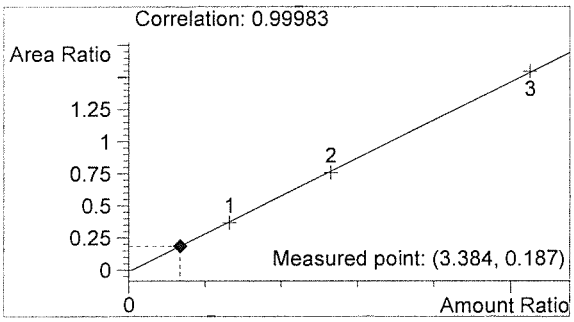
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2016 1:12:07 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

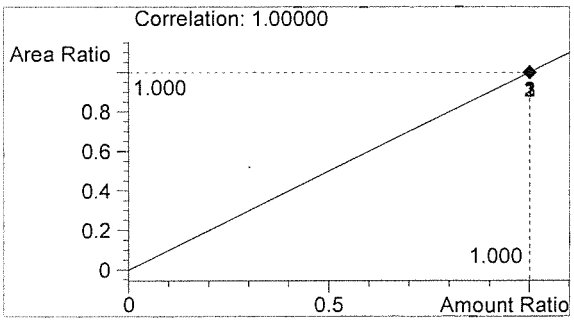
Sample Name: 0.04 CTRL
Operator: Lyndsey Knoy
Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	506	1.092
2	n-Propanol	2700	1.755



Ethanol 0.041 g/100mL



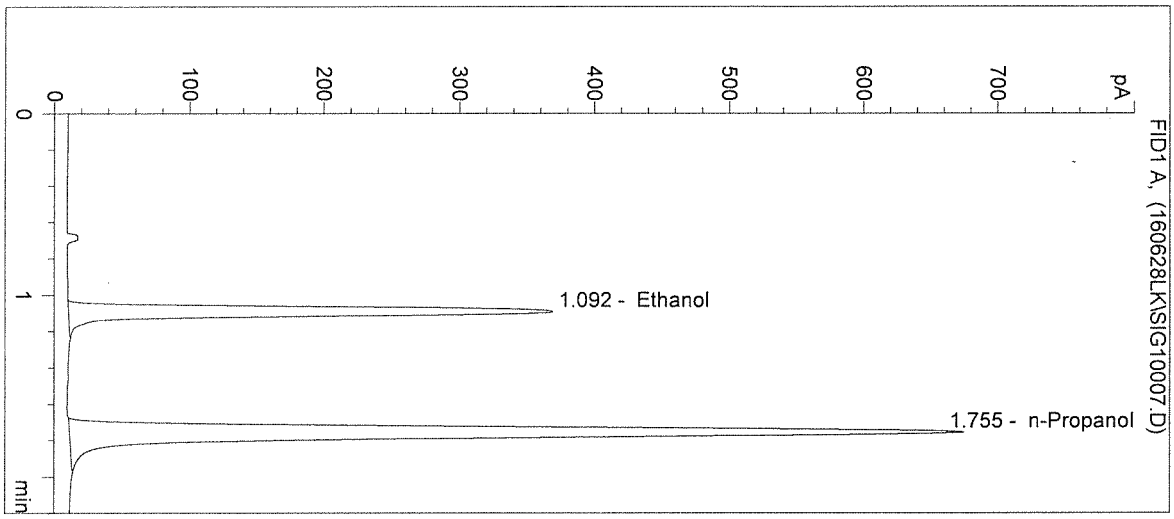
n-Propanol 0.012 g/100mL

16021
7/6/16

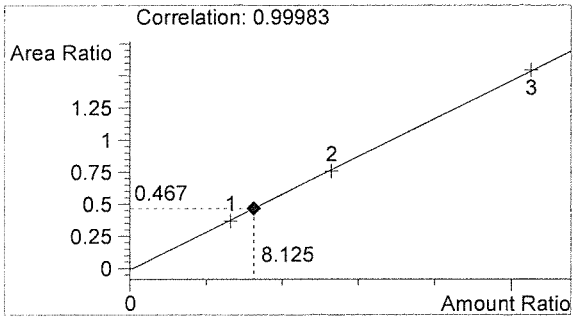
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2016 1:15:21 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

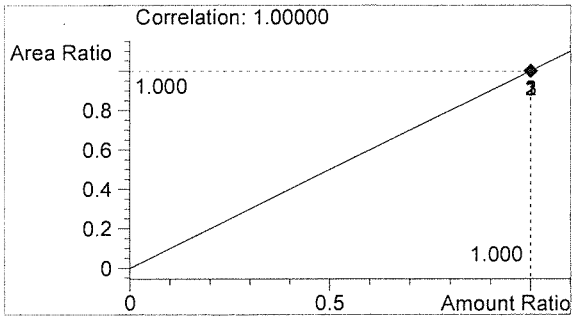
Sample Name: 0.10 CTRL
Operator: Lyndsey Knoy
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	1235	1.092
2	n-Propanol	2644	1.755



Ethanol 0.097 g/100mL



n-Propanol 0.012 g/100mL

16021

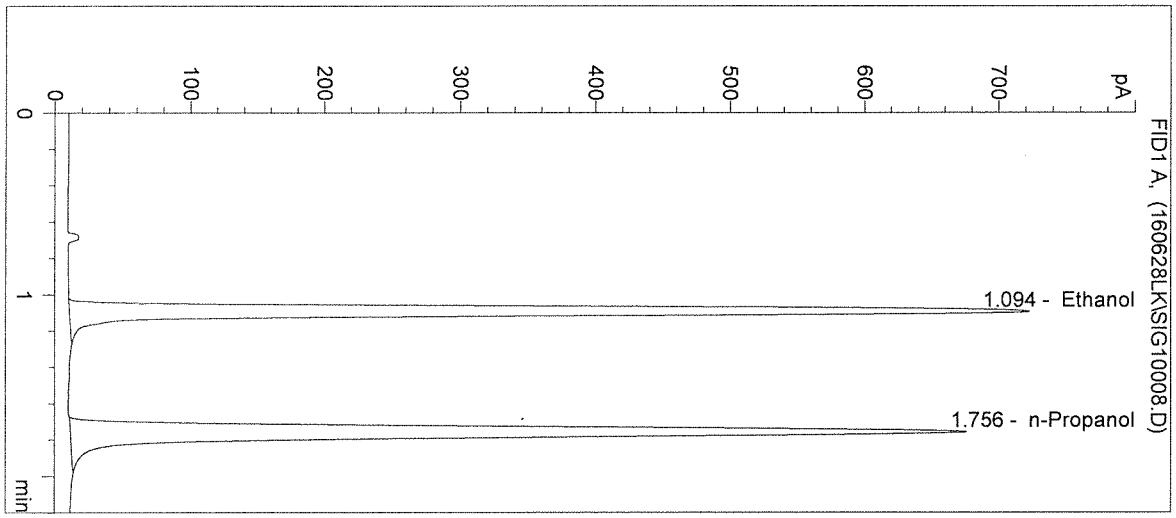
LK 7/6/16

Data File: C:\HPCHEM\1\DATA\160628LK\SIG10007.D

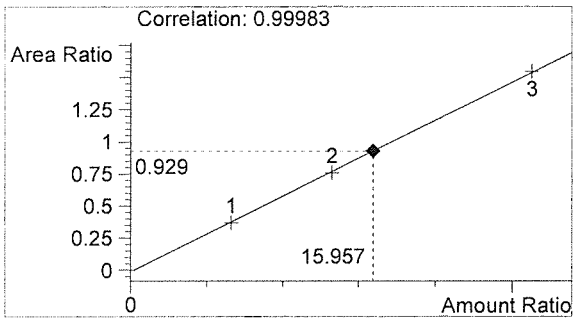
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2016 1:18:34 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

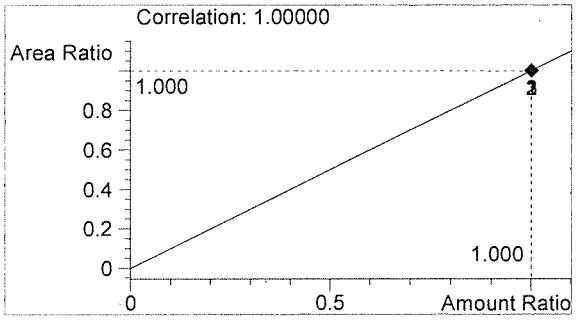
Sample Name: 0.20 CTRL
Operator: Lyndsey Knoy
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	2461	1.094
2	n-Propanol	2649	1.756



Ethanol 0.191 g/100mL



n-Propanol 0.012 g/100mL

16021

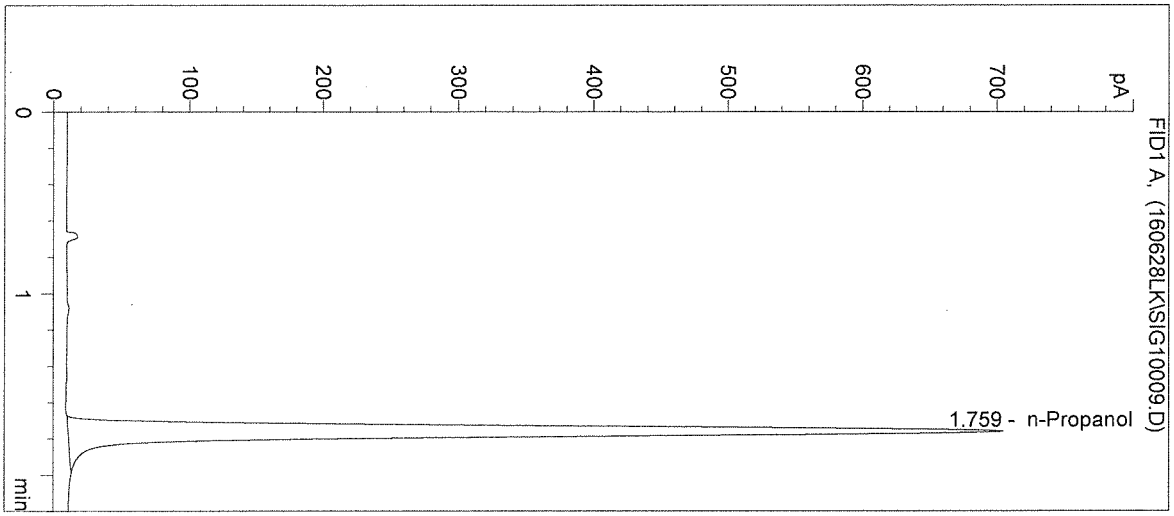
7/6/16

Data File: C:\HPCHEM\1\DATA\160628LK\SIG10008.D

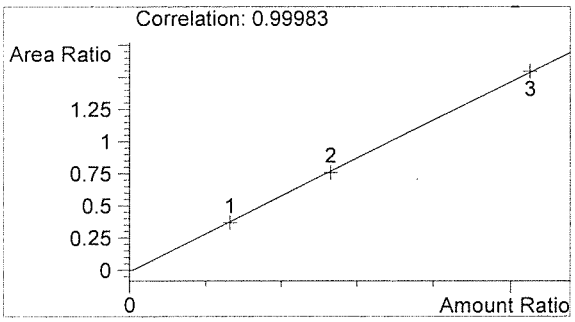
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2016 1:21:48 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

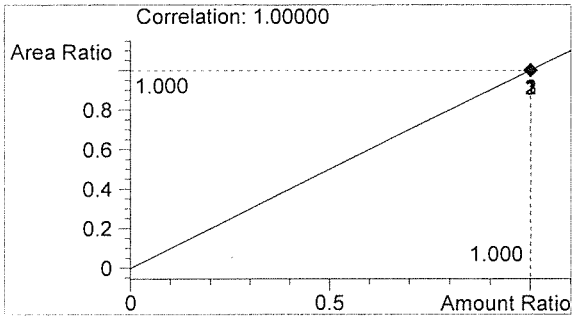
Sample Name: NEG CTRL
Operator: Lyndsey Knoy
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2805	1.759



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

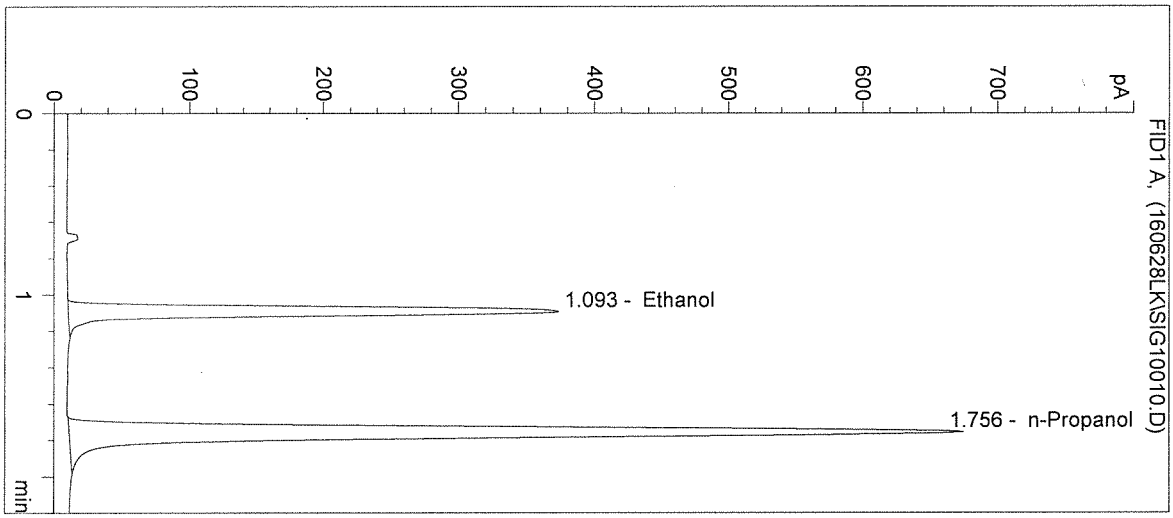
16021

7/6/16

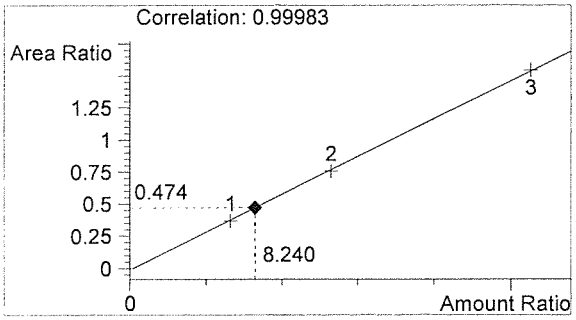
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2016 1:25:00 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

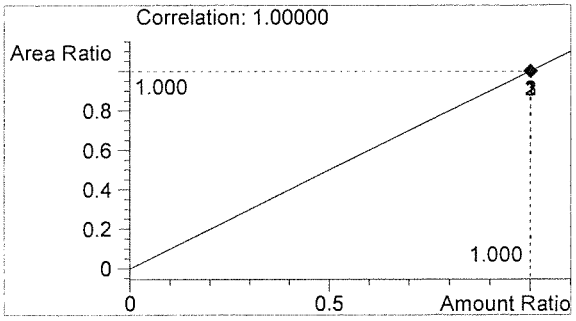
Sample Name: 16021 #1
Operator: Lyndsey Knoy
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	1255	1.093
2	n-Propanol	2649	1.756



Ethanol 0.099 g/100mL

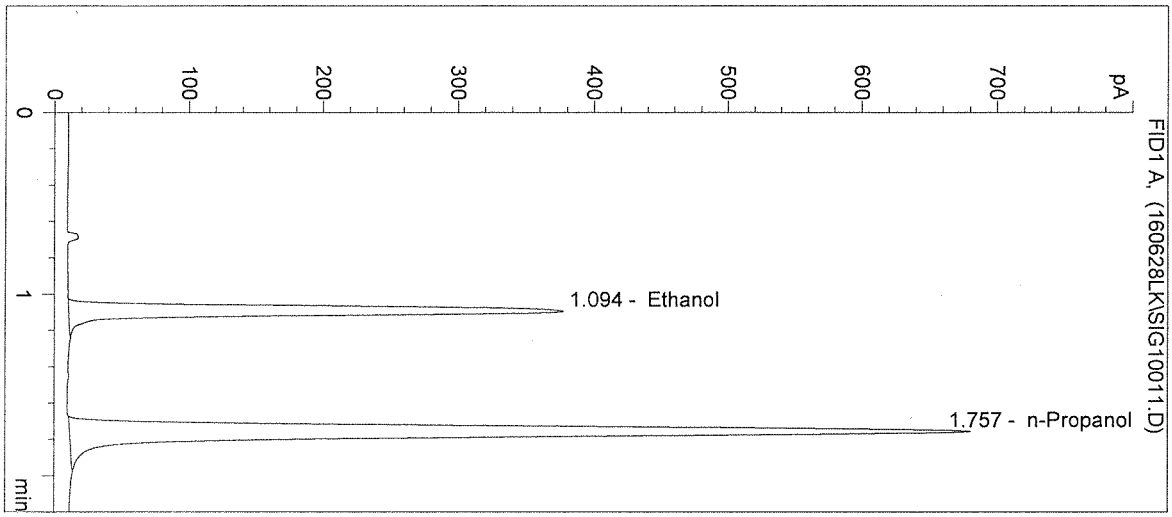


n-Propanol 0.012 g/100mL

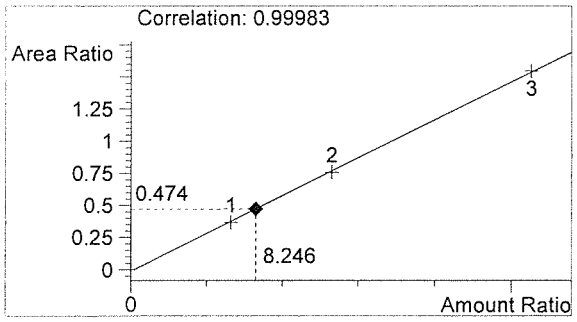
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2016 1:28:13 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

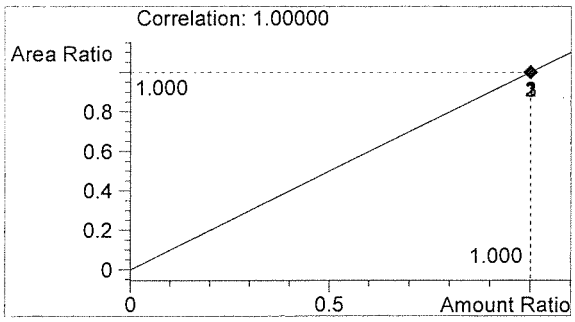
Sample Name: 16021 #2
Operator: Lyndsey Knoy
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	1264	1.094
2	n-Propanol	2667	1.757



Ethanol 0.099 g/100mL

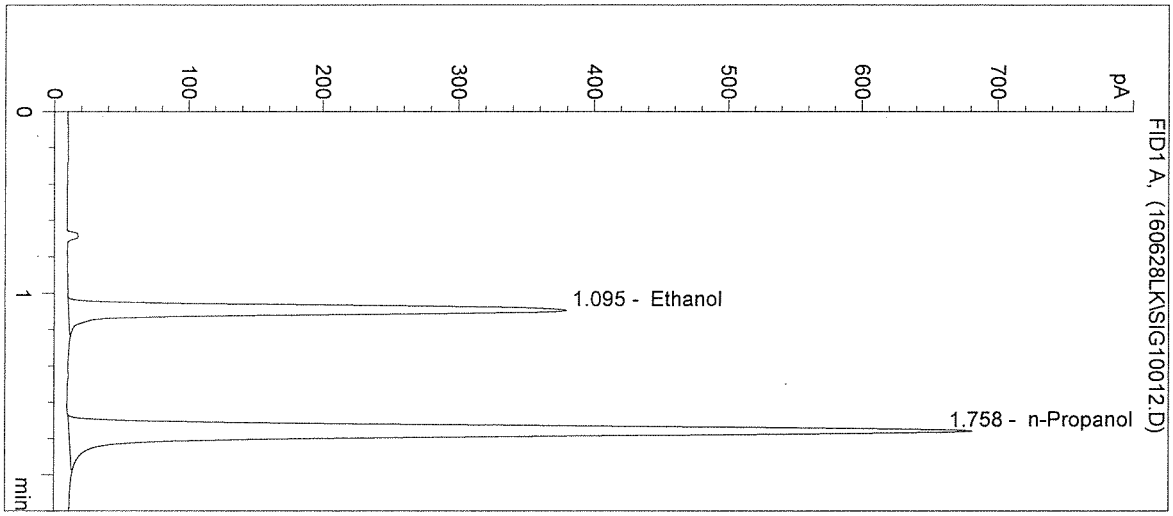


n-Propanol 0.012 g/100mL

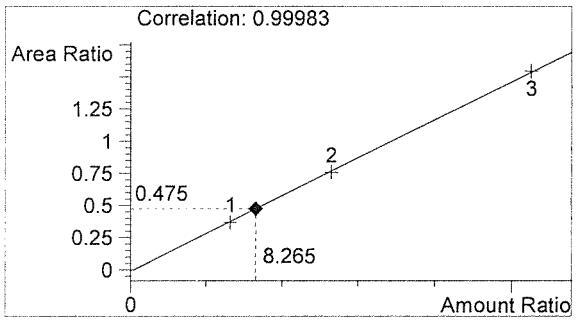
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2016 1:31:27 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

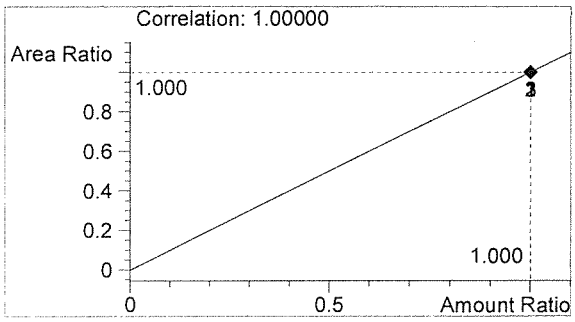
Sample Name: 16021 #3
Operator: Lyndsey Knoy
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	1278	1.095
2	n-Propanol	2690	1.758



Ethanol 0.099 g/100mL

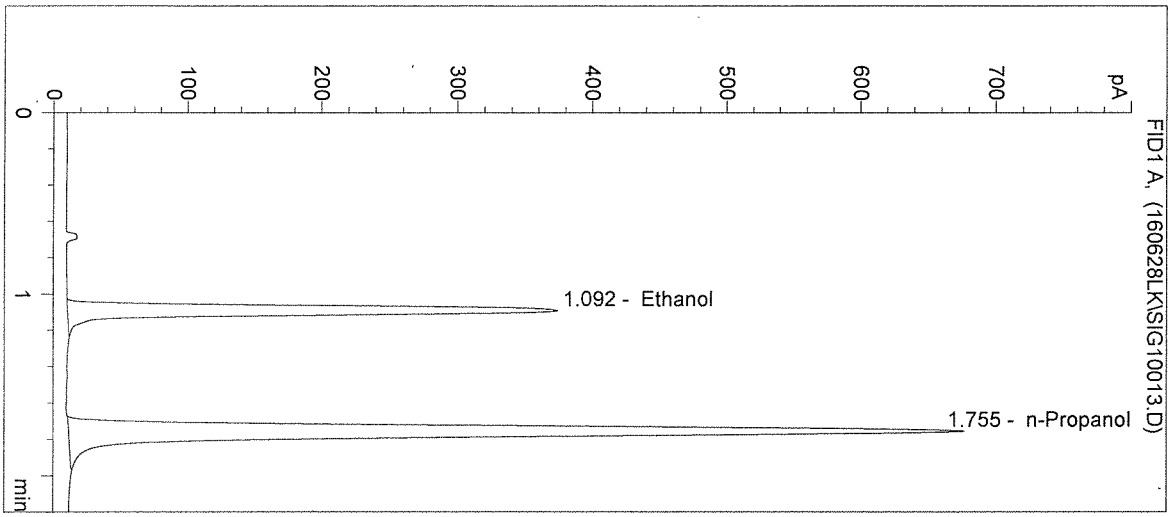


n-Propanol 0.012 g/100mL

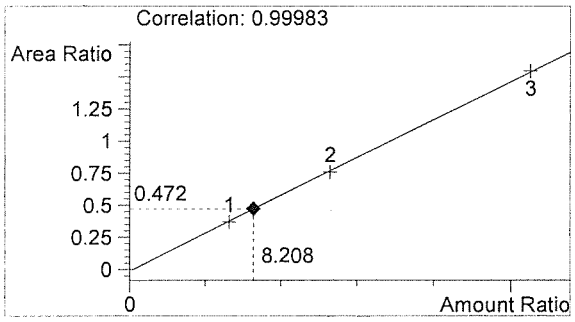
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2016 1:34:41 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

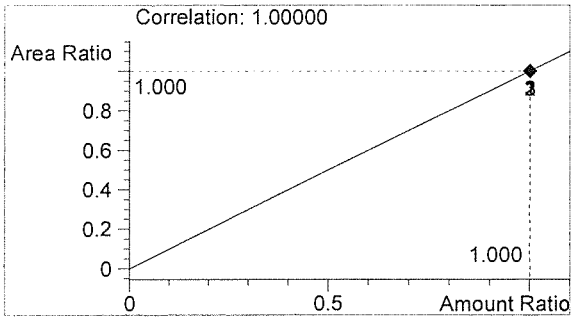
Sample Name: 16021 #4
Operator: Lyndsey Knoy
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	1249	1.092
2	n-Propanol	2647	1.755



Ethanol 0.098 g/100mL

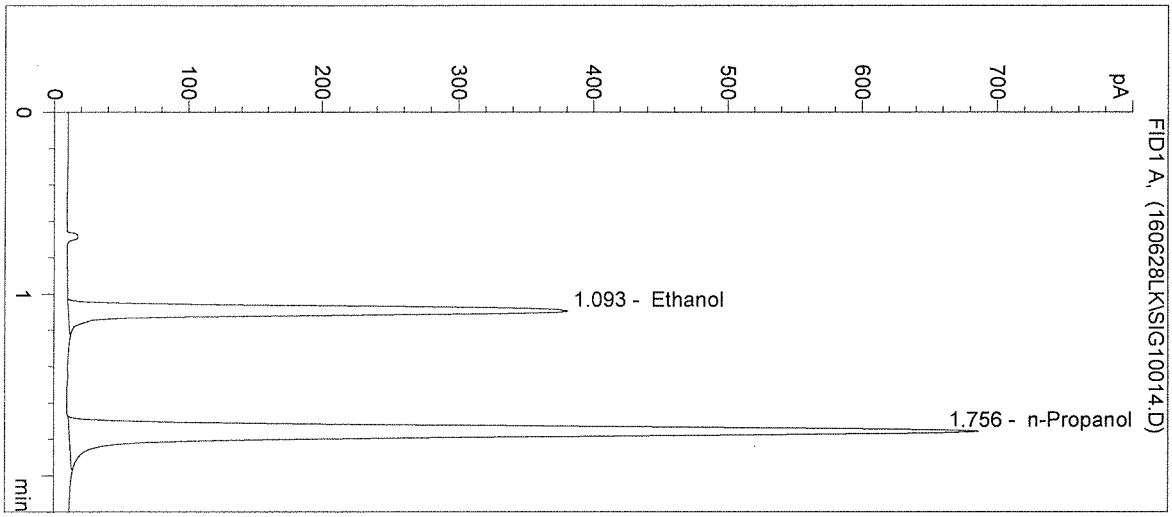


n-Propanol 0.012 g/100mL

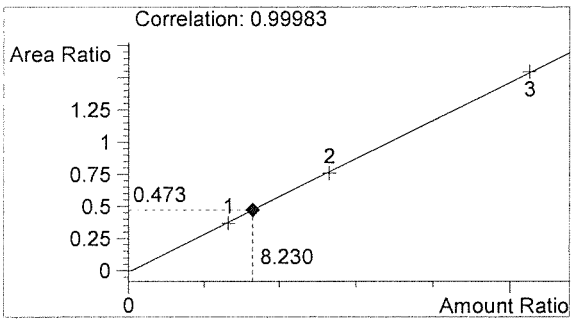
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2016 1:37:54 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

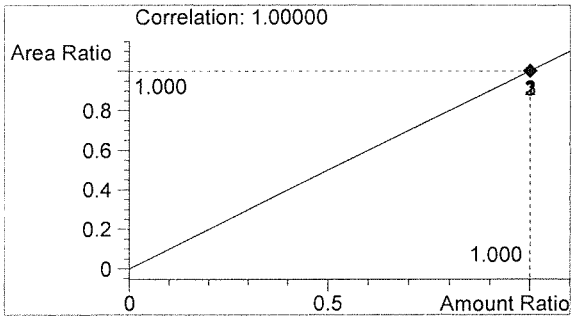
Sample Name: 16021 #5
Operator: Lyndsey Knoy
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	1272	1.093
2	n-Propanol	2689	1.756



Ethanol 0.099 g/100mL

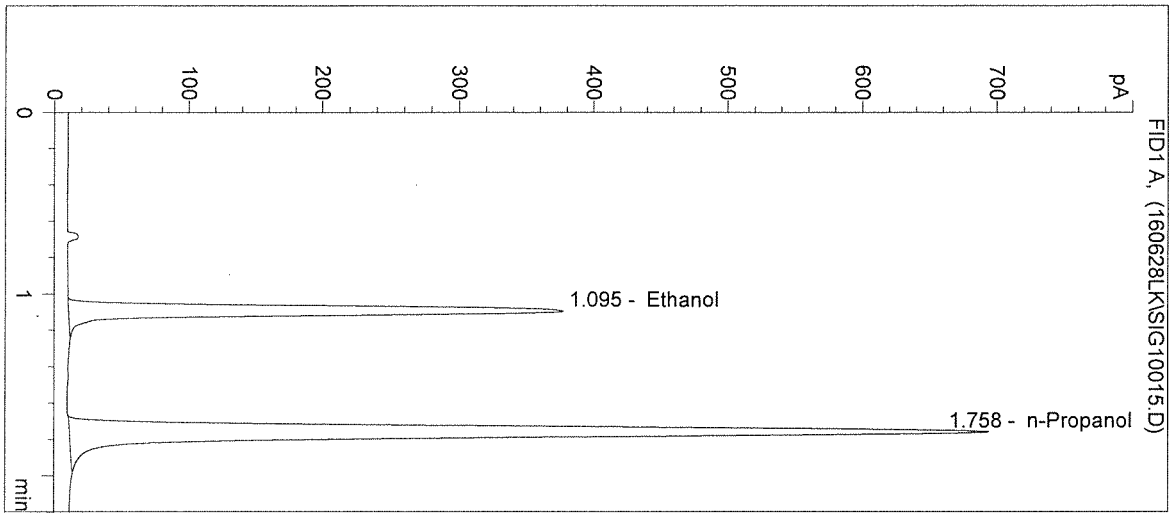


n-Propanol 0.012 g/100mL

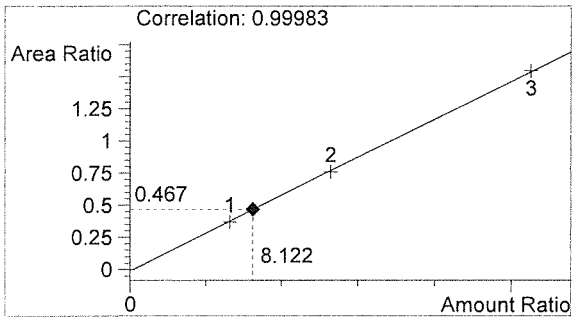
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2016 1:41:07 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

Sample Name: 0.10 CTRL
Operator: Lyndsey Knoy
Location: Vial 15

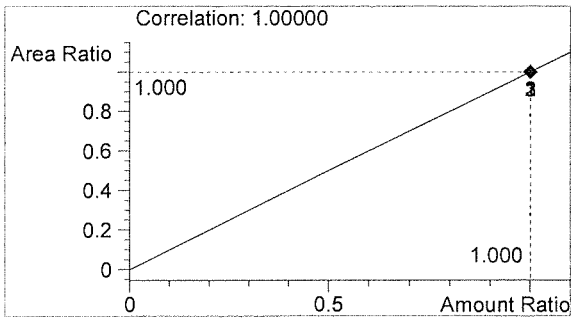


#	Compound	Peak Area	RT (min)
1	Ethanol	1282	1.095
2	n-Propanol	2748	1.758



Ethanol 0.097 g/100mL

16021



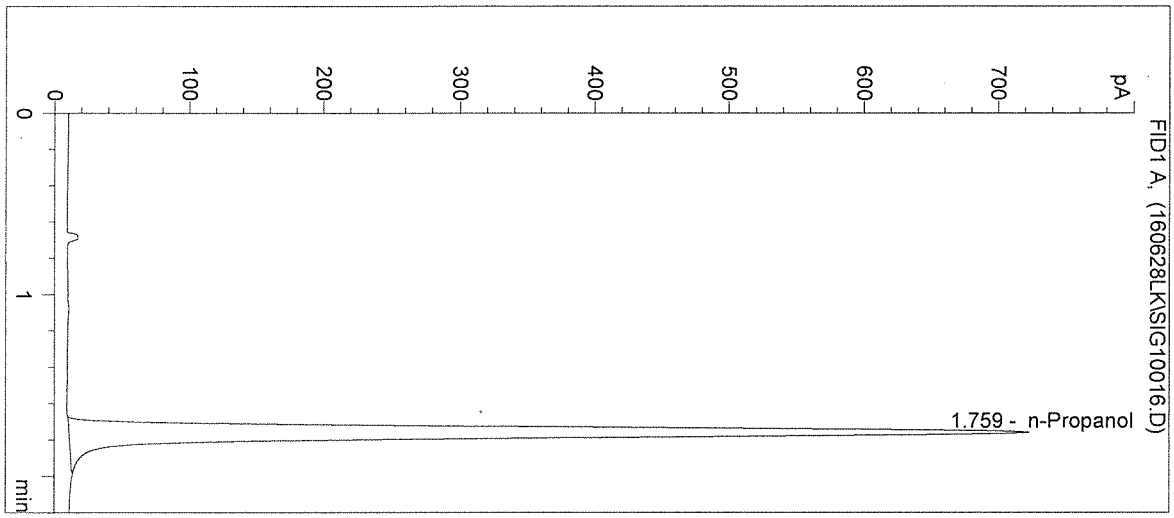
n-Propanol 0.012 g/100mL

7/6/16

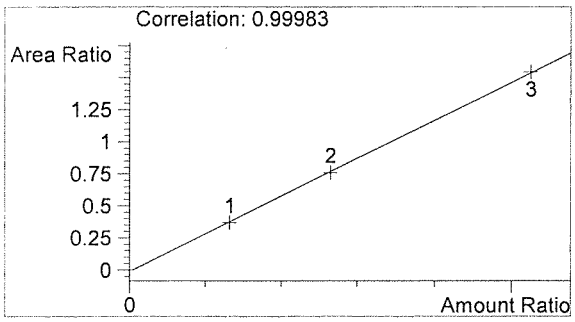
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2016 1:44:21 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

Sample Name: NEG CTRL
Operator: Lyndsey Knoy
Location: Vial 16

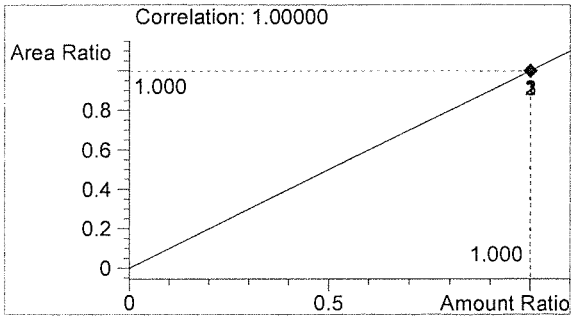


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2877	1.759



Ethanol 0.000 g/100mL

16021



n-Propanol 0.012 g/100mL

7/6/16

Sequence Parameters:

Operator:	Justin Knoy
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	160629JK
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E0416-01 - Exp. 10/01/2016
Ethanol Calibrator 2, E0416-02 - Exp. 10/01/2016
Ethanol Calibrator 3, E0416-03 - Exp. 10/01/2016
CTRL1 (0.04g/100mL), Lot # FN05011301 - Exp. 05/2018
CTRL2 (0.10g/100mL), Lot # FN08051301 - Exp. 10/2018
CTRL3 (0.20g/100mL), Lot # FN03211401 - Exp. 06/2019
Internal Standard Lot#P0516 - Exp. 08/31/2016

Calibration vials 1-9 filed with 16021.

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	16021-1	SIMALC1	1	Sample		
11	Vial 11	16021-2	SIMALC1	1	Sample		16021
12	Vial 12	16021-3	SIMALC1	1	Sample		
13	Vial 13	16021-4	SIMALC1	1	Sample		JR 7/6/16
14	Vial 14	16021-5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp		

Calibration Part:

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

JR

Sequence: C:\HPCHEM\1\SEQUENCE\JKESS1.S

Sequence Table (Back Injector):

No entries - empty table!

16021

JK

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

==========

Calibration Table

==========

Calib. Data Modified : Wednesday, June 29, 2016 8:36:02 AM

Calculate : Internal Standard
Based on : Peak Area

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

Curve Type : Linear
Origin : Included
Weight : Equal

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

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

Sample ISTD Information:

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

Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.095	1	1	7.91100e-2	1009.79272	7.83428e-5	1		Ethanol
		2	1.59090e-1	1970.20239	8.07480e-5			
		3	3.15200e-1	4015.36475	7.84985e-5			
1.758	1	1	1.20000e-2	2756.45898	4.35341e-6	I1		n-Propanol
		2	1.20000e-2	2714.87915	4.42009e-6			
		3	1.20000e-2	2747.91064	4.36695e-6			

==========

Peak Sum Table

==========

No Entries in table

==========

16021

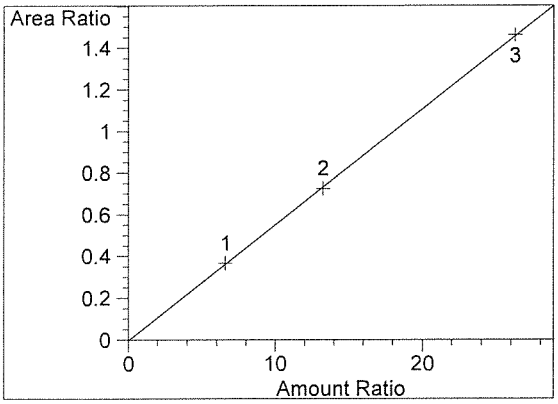
Jn 7/6/16

JK

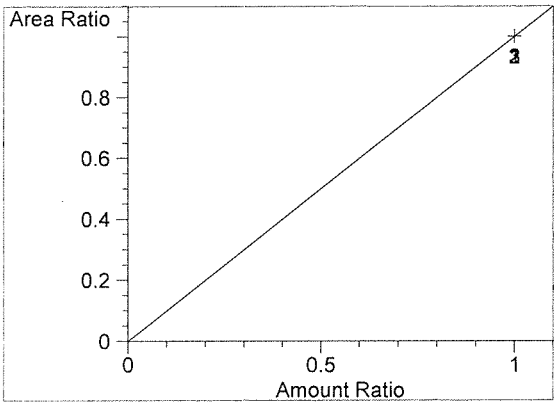
==========

Calibration Curves

==========



Ethanol at exp. RT: 1.095
FID1 A,
Correlation: 0.99996
Residual Std. Dev.: 0.00713
Formula: y = mx + b
m: 5.55823e-2
b: -2.49643e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.758
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

==========

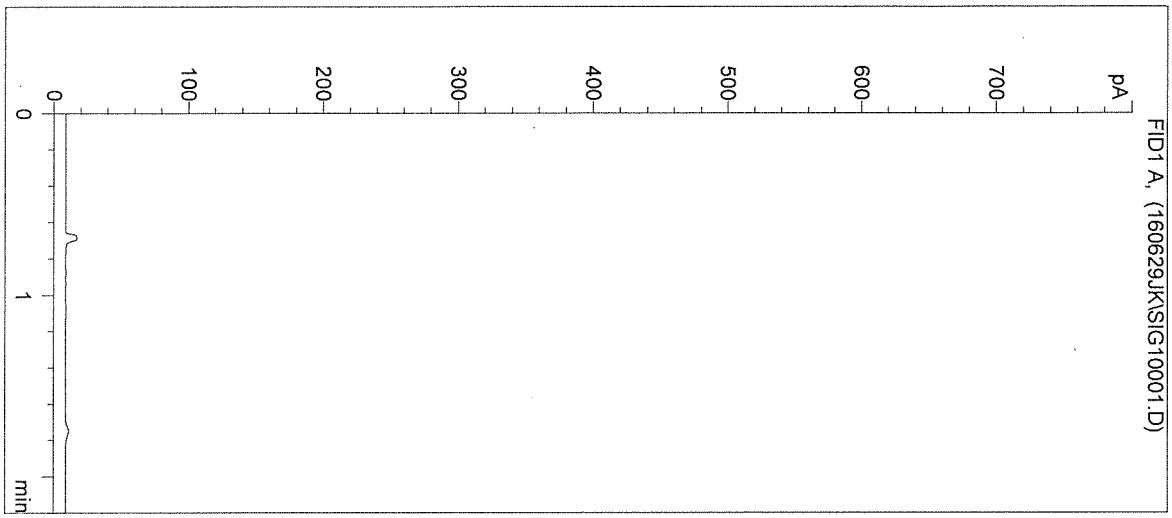
16021
Jm 7/6/16

J

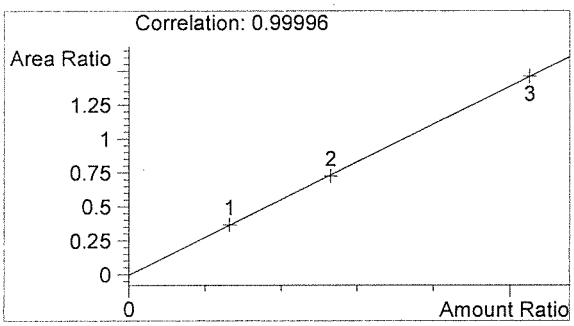
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/29/2016 8:23:53 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16021

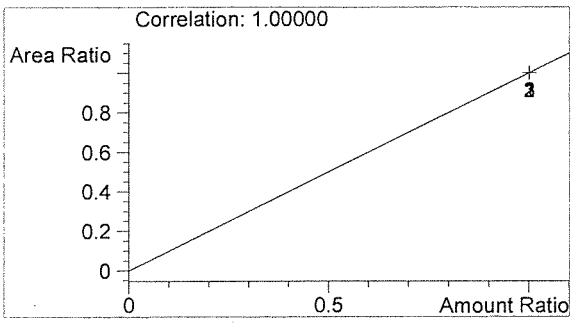
Sample Name: BLANK
Operator: Justin Knoy
Location: Vial 1



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



Ethanol 0.000 g/100mL



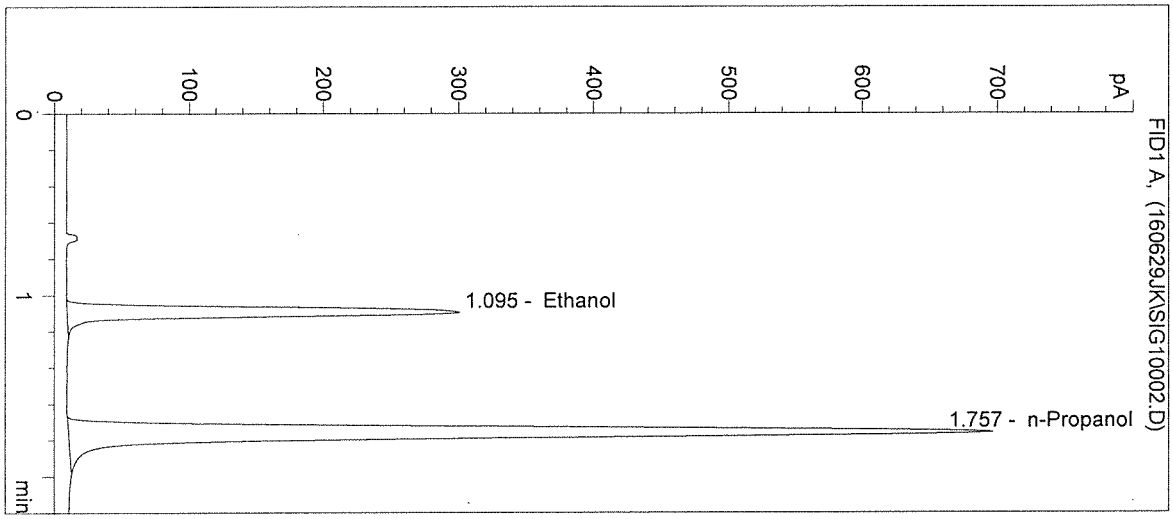
n-Propanol 0.000 g/100mL

JK

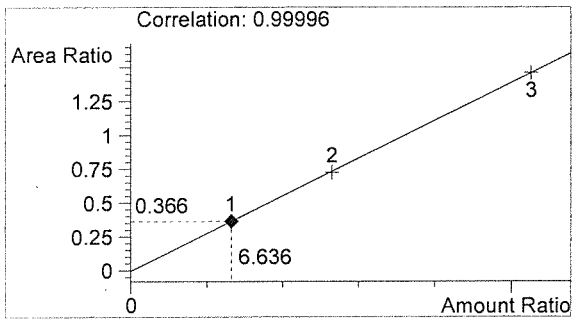
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/29/2016 8:27:12 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16021

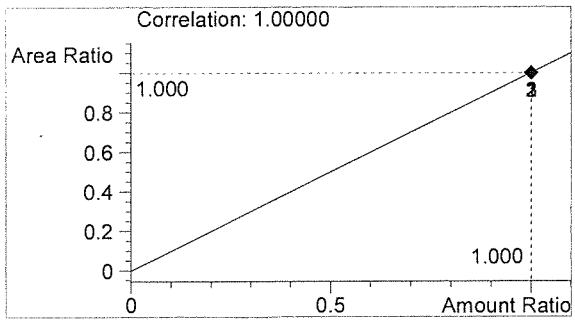
Sample Name: 0.079 CAL 1
Operator: Justin Knoy
Location: Vial 2



#	Compound	Peak Area	RT (min)
1	Ethanol	1010	1.095
2	n-Propanol	2756	1.757



Ethanol 0.080 g/100mL



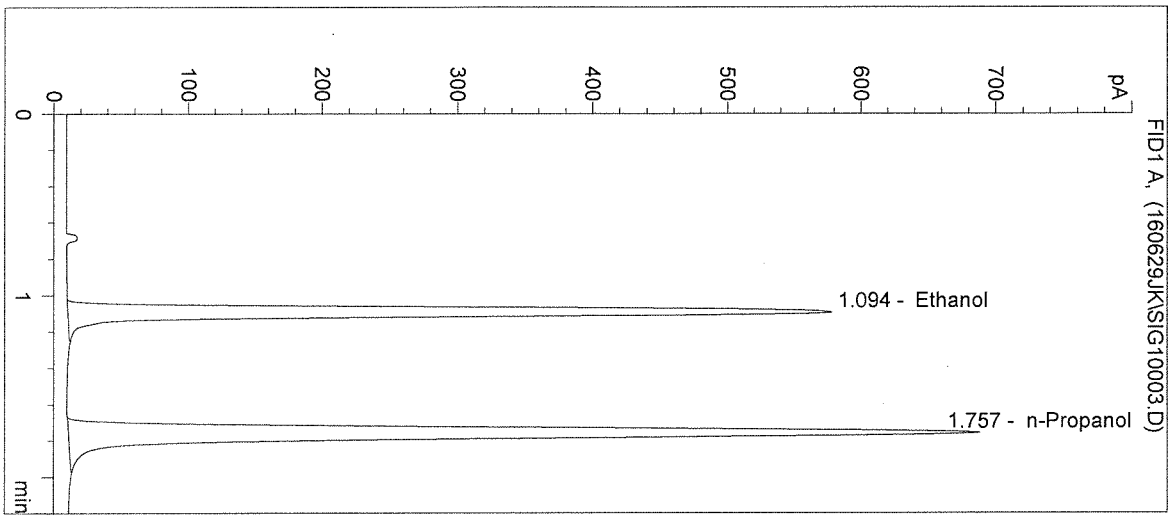
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\160629JK\SIG10002.D

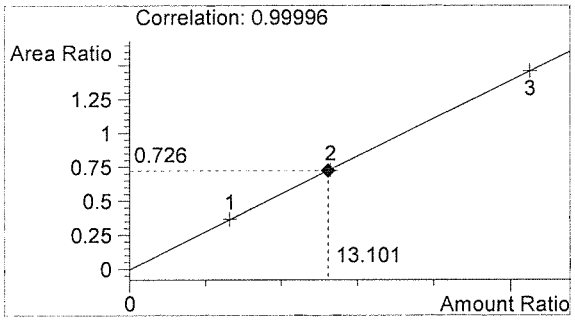
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/29/2016 8:30:30 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16021

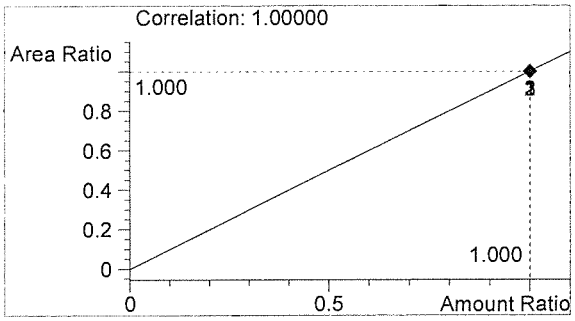
Sample Name: 0.158 CAL 2
Operator: Justin Knoy
Location: Vial 3



#	Compound	Peak Area	RT (min)
1	Ethanol	1970	1.094
2	n-Propanol	2715	1.757



Ethanol 0.157 g/100mL



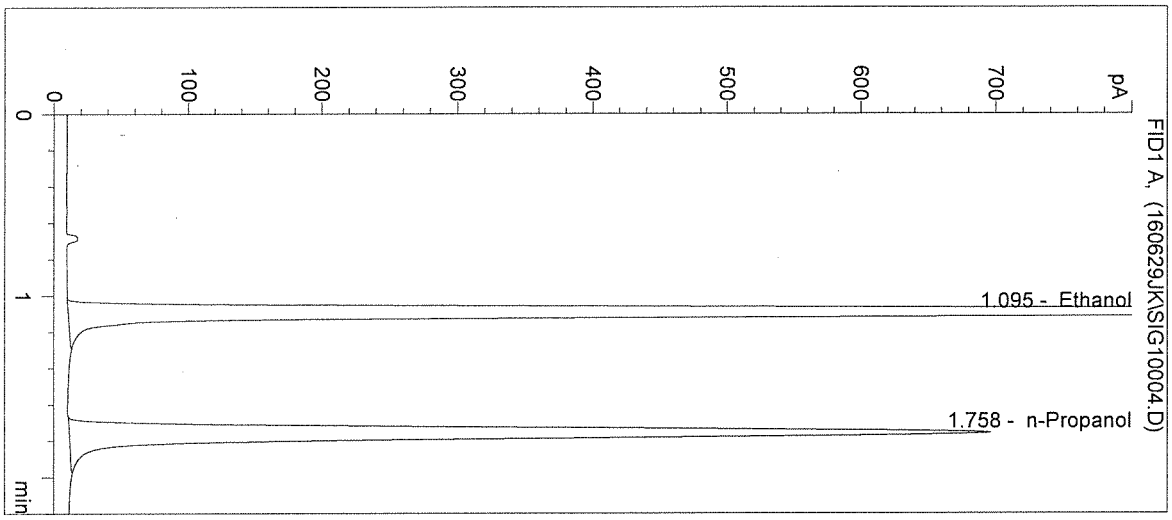
n-Propanol 0.012 g/100mL

JIL

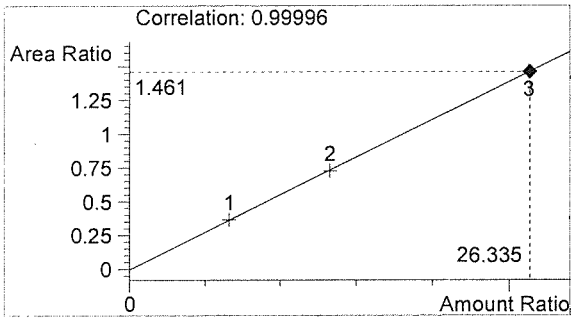
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/29/2016 8:33:49 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16021

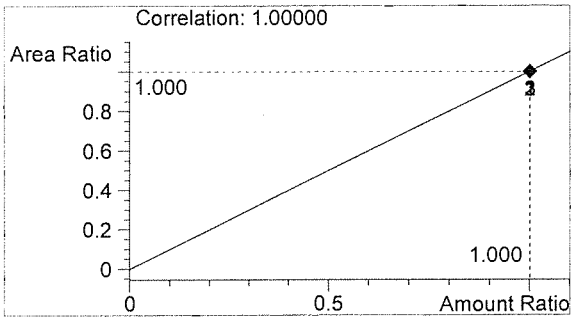
Sample Name: 0.316 CAL 3
Operator: Justin Knoy
Location: Vial 4



#	Compound	Peak Area	RT (min)
1	Ethanol	4015	1.095
2	n-Propanol	2748	1.758



Ethanol 0.316 g/100mL



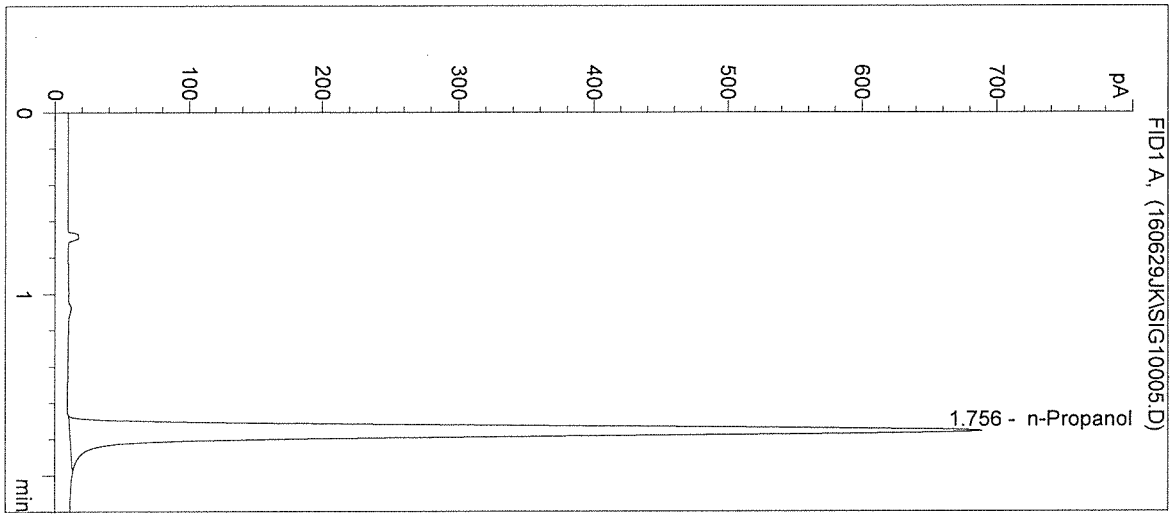
n-Propanol 0.012 g/100mL

JK

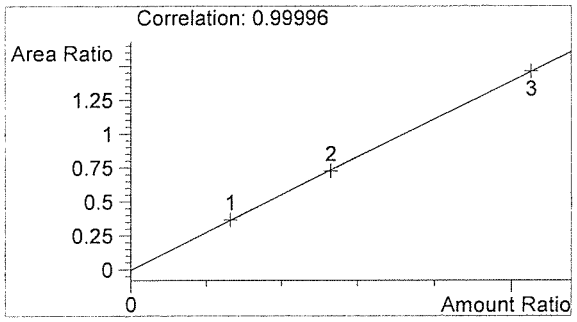
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/29/2016 8:37:02 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16021

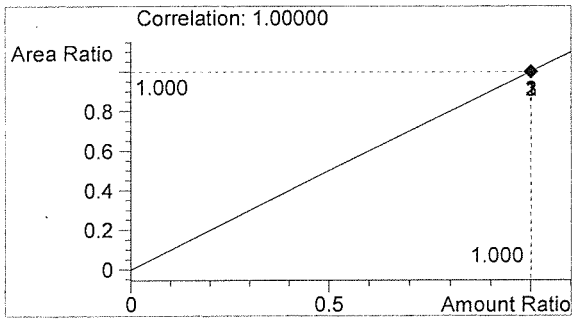
Sample Name: NEG CTRL
Operator: Justin Knoy
Location: Vial 5



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2710	1.756



Ethanol 0.000 g/100mL



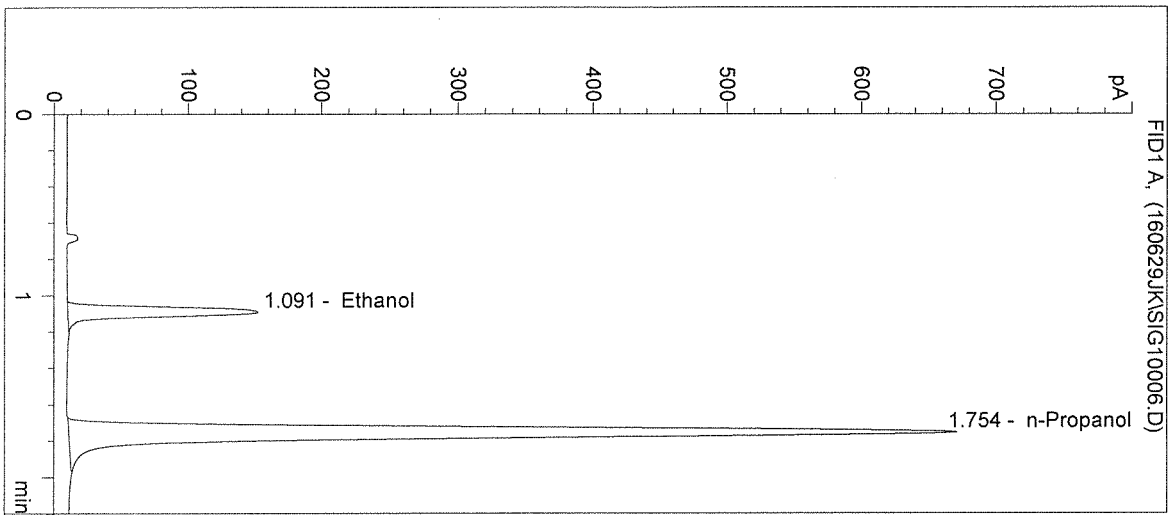
n-Propanol 0.012 g/100mL

JK

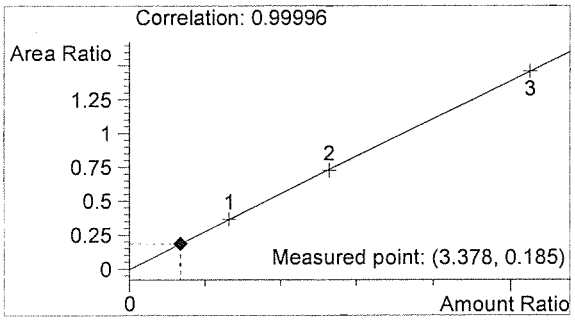
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/29/2016 8:40:15 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16021

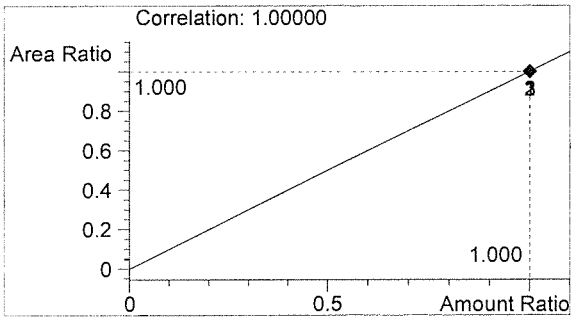
Sample Name: 0.04 CTRL
Operator: Justin Knoy
Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	485	1.091
2	n-Propanol	2618	1.754



Ethanol 0.041 g/100mL



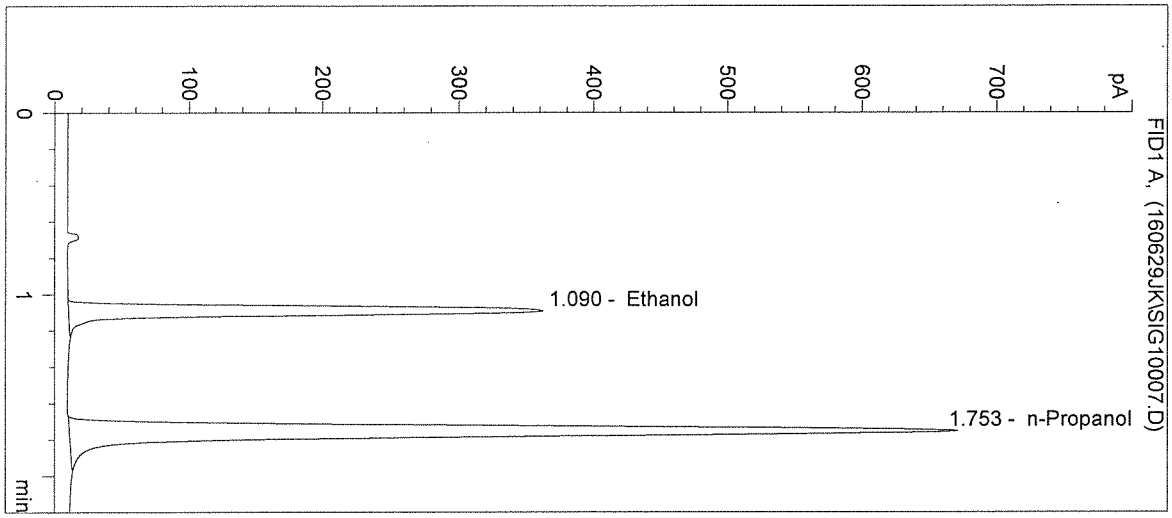
n-Propanol 0.012 g/100mL

JK

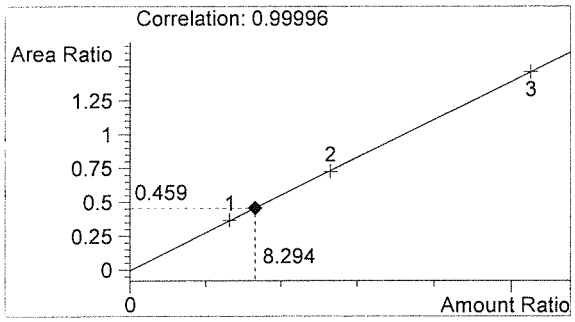
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/29/2016 8:43:28 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16021

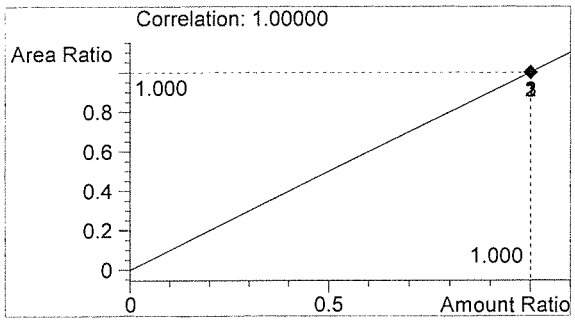
Sample Name: 0.10 CTRL
Operator: Justin Knoy
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	1200	1.090
2	n-Propanol	2617	1.753



Ethanol 0.100 g/100mL

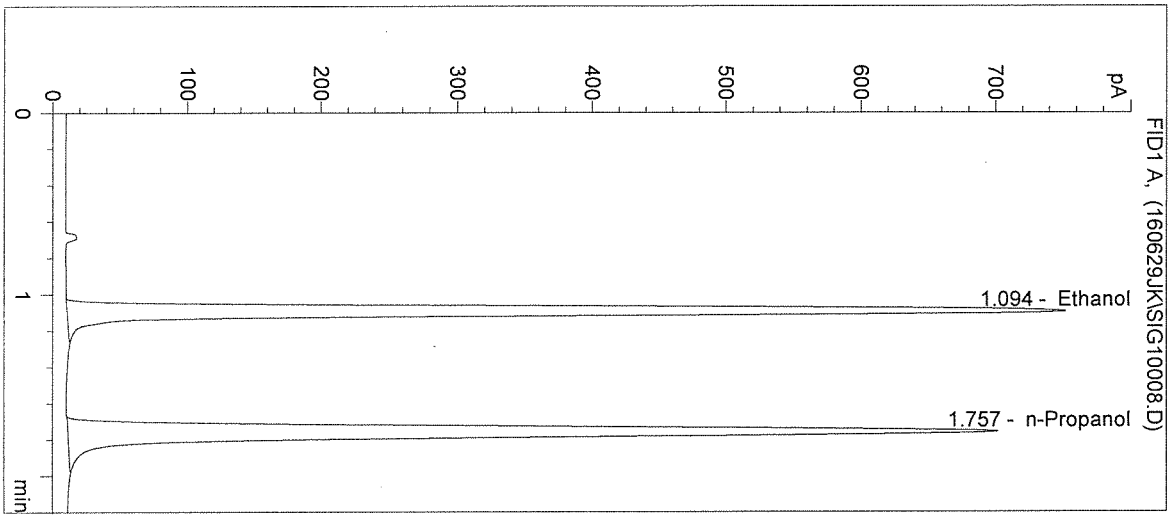


n-Propanol 0.012 g/100mL

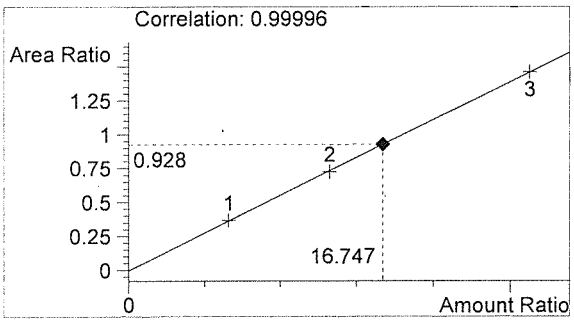
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/29/2016 8:46:41 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16021

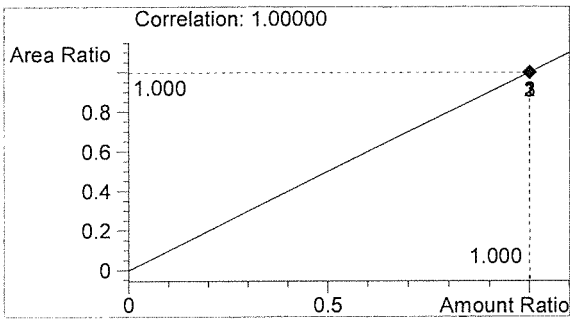
Sample Name: 0.20 CTRL
Operator: Justin Knoy
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	2577	1.094
2	n-Propanol	2776	1.757



Ethanol 0.201 g/100mL



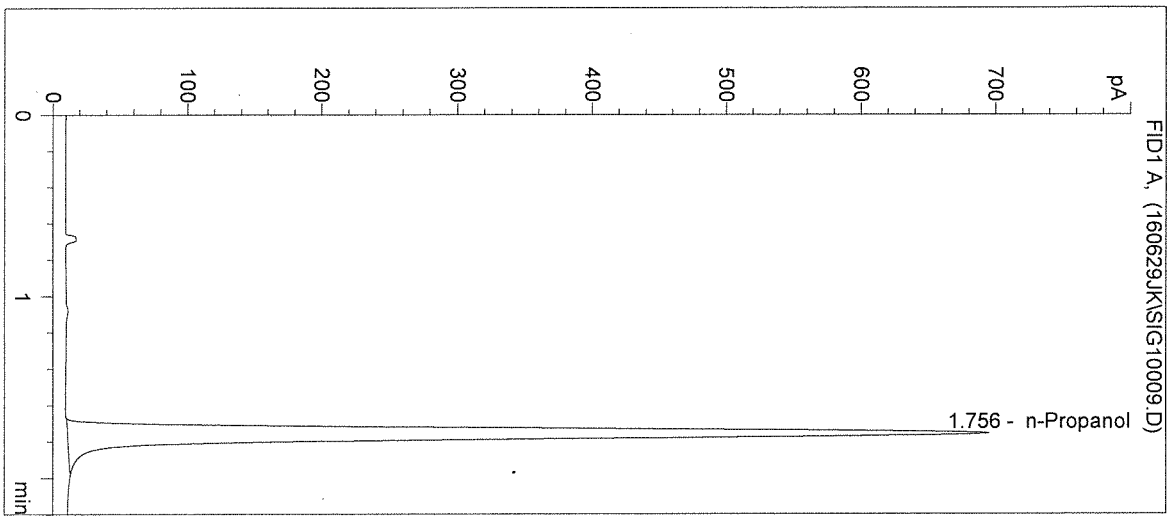
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\160629JK\SIG10008.D

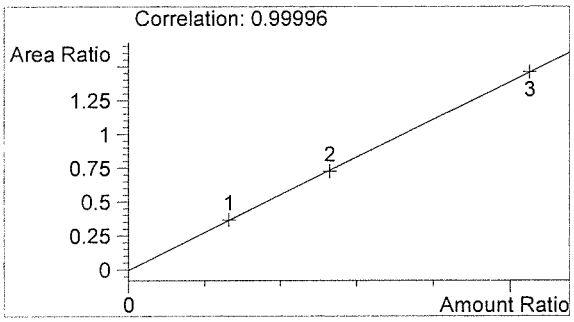
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/29/2016 8:49:54 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16021

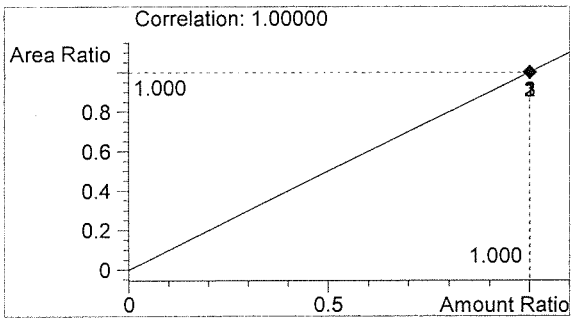
Sample Name: NEG CTRL
Operator: Justin Knoy
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2737	1.756



Ethanol 0.000 g/100mL



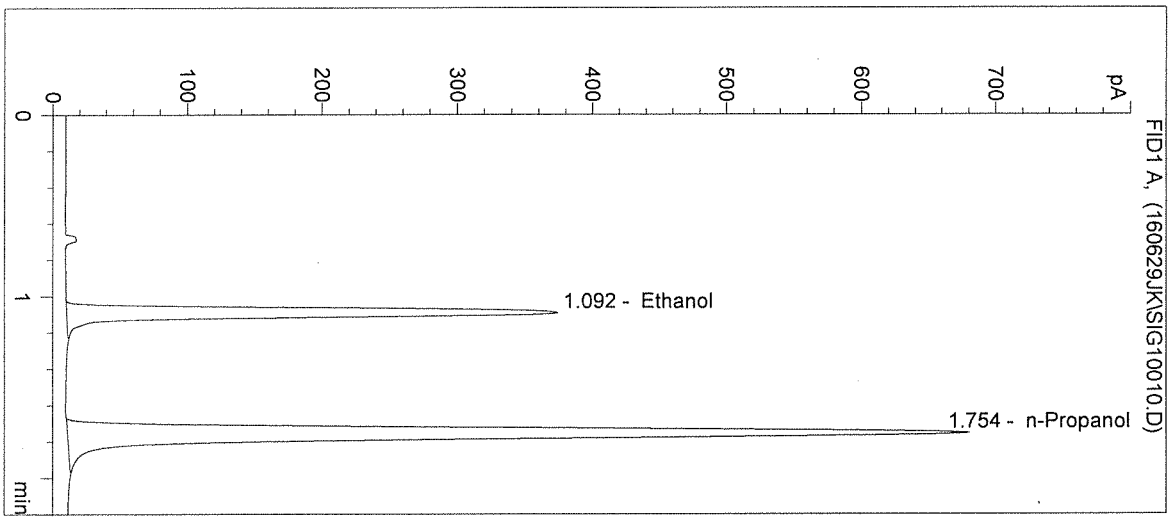
n-Propanol 0.012 g/100mL

JK

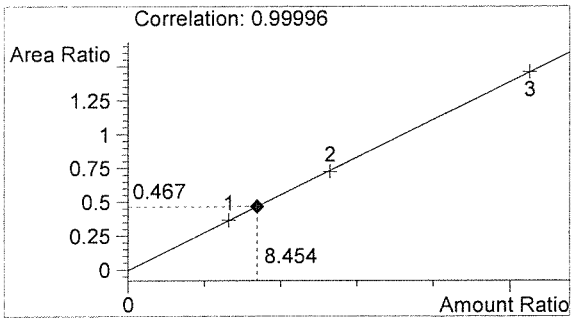
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/29/2016 8:53:07 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

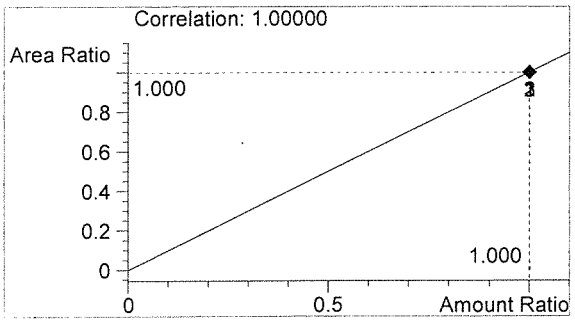
Sample Name: 16021-1
Operator: Justin Knoy
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	1247	1.092
2	n-Propanol	2667	1.754



Ethanol 0.101 g/100mL

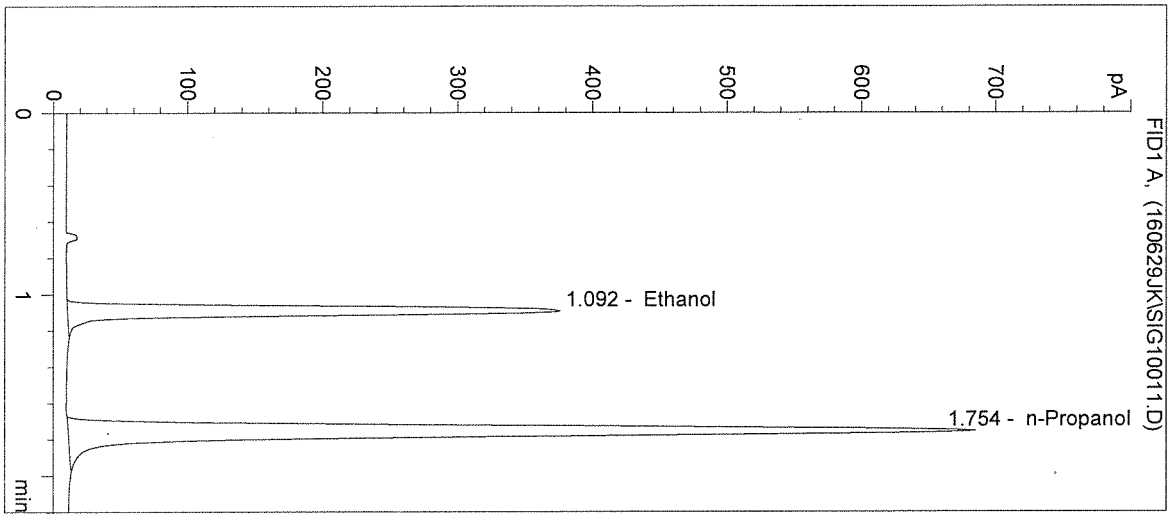


n-Propanol 0.012 g/100mL

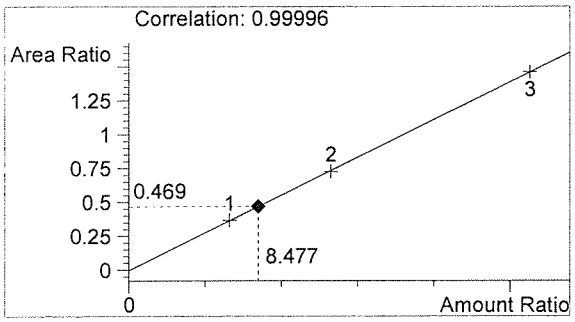
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/29/2016 8:56:20 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

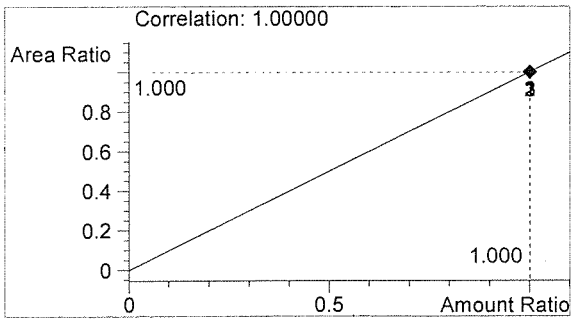
Sample Name: 16021-2
Operator: Justin Knoy
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	1257	1.092
2	n-Propanol	2681	1.754



Ethanol 0.102 g/100mL

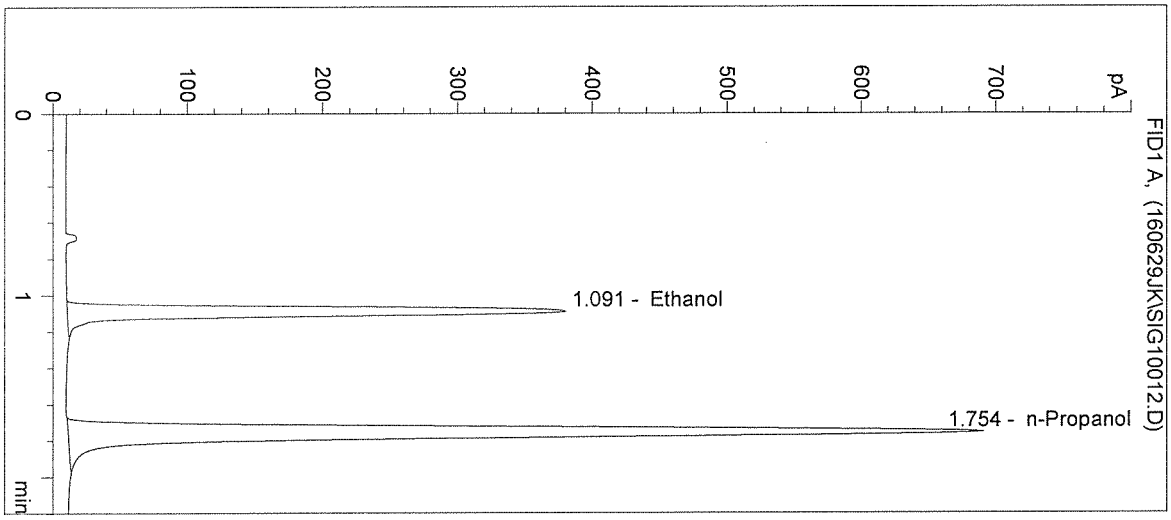


n-Propanol 0.012 g/100mL

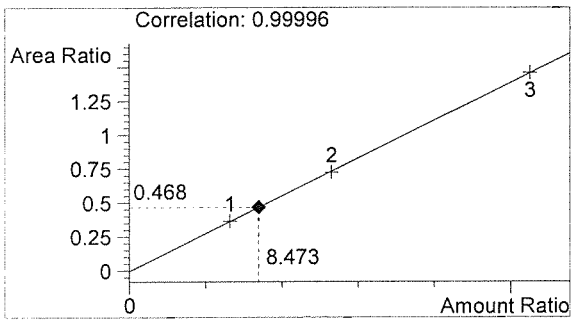
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/29/2016 8:59:34 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

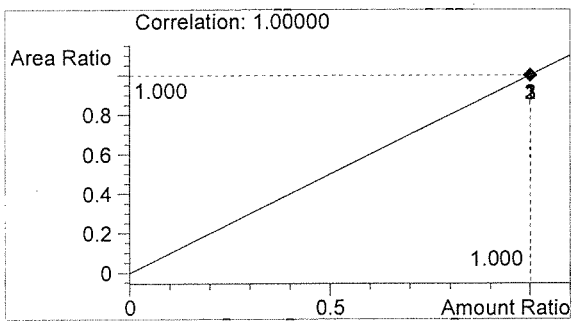
Sample Name: 16021-3
Operator: Justin Knoy
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	1266	1.091
2	n-Propanol	2703	1.754



Ethanol 0.102 g/100mL

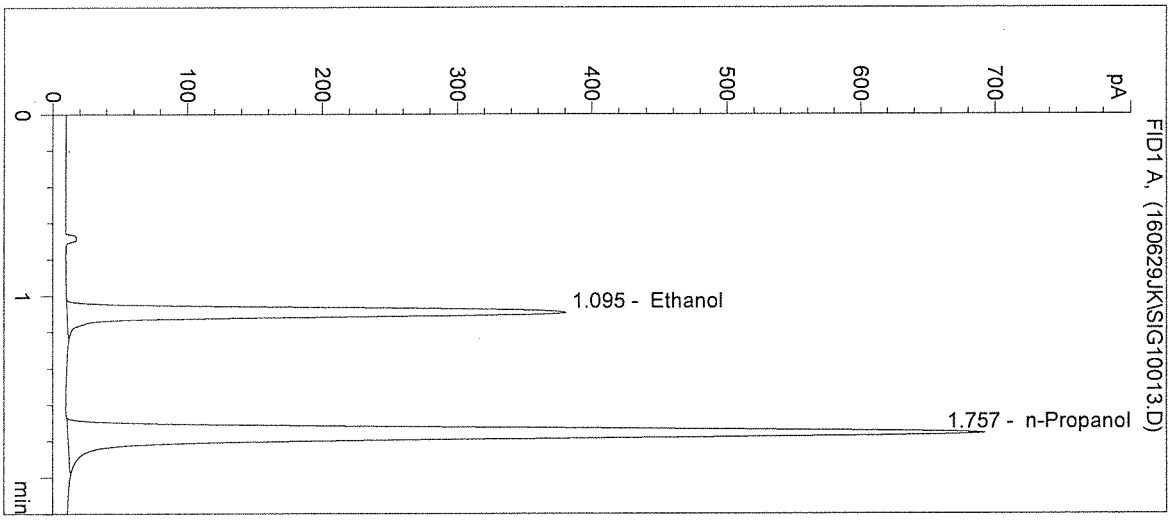


n-Propanol 0.012 g/100mL

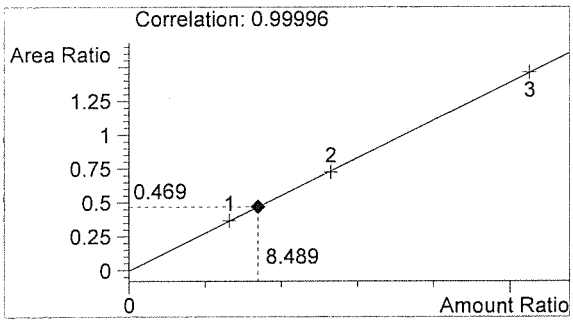
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/29/2016 9:02:47 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

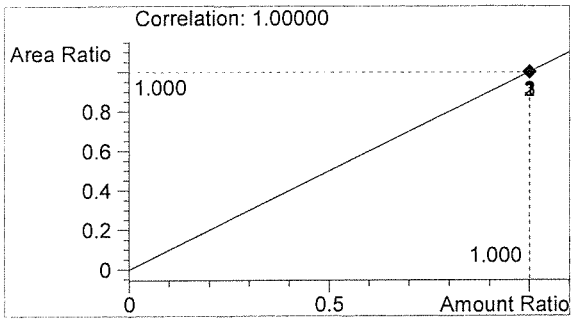
Sample Name: 16021-4
Operator: Justin Knoy
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	1282	1.095
2	n-Propanol	2732	1.757



Ethanol 0.102 g/100mL



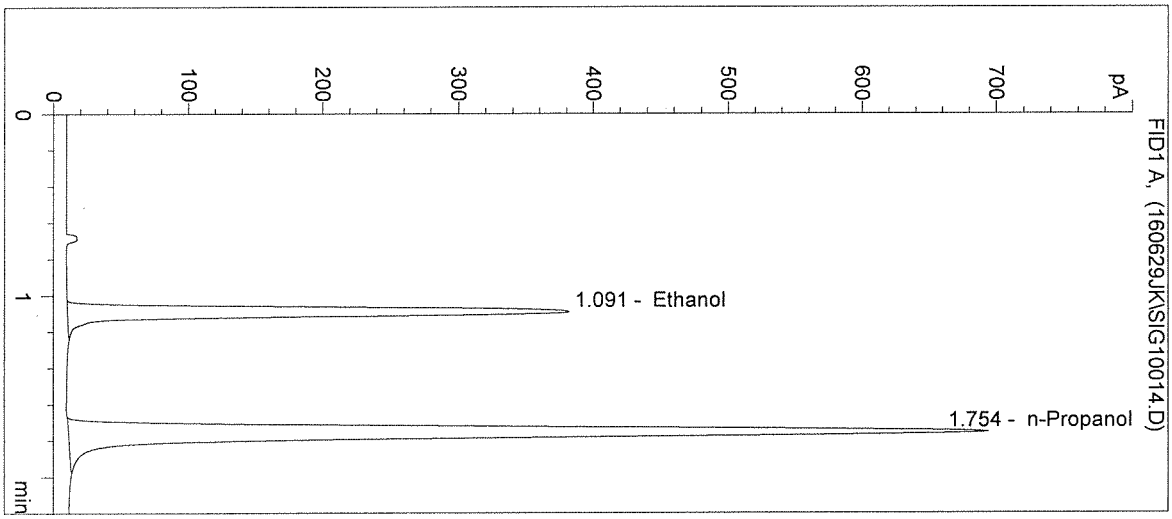
n-Propanol 0.012 g/100mL

JK

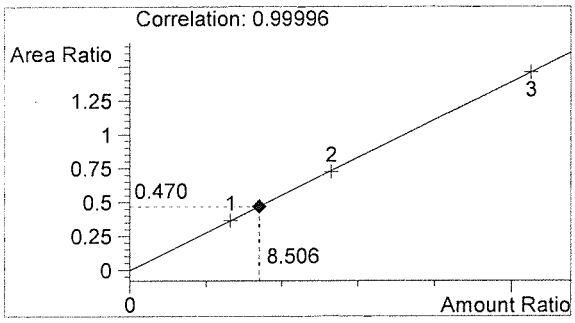
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/29/2016 9:06:00 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

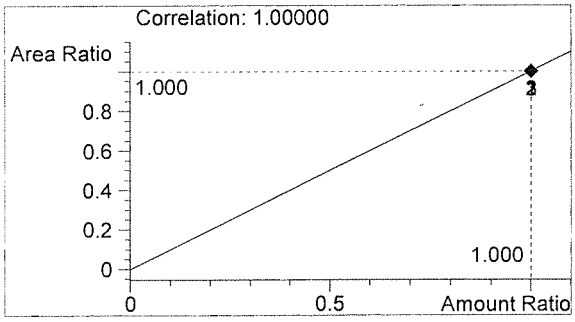
Sample Name: 16021-5
Operator: Justin Knoy
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	1278	1.091
2	n-Propanol	2718	1.754



Ethanol 0.102 g/100mL

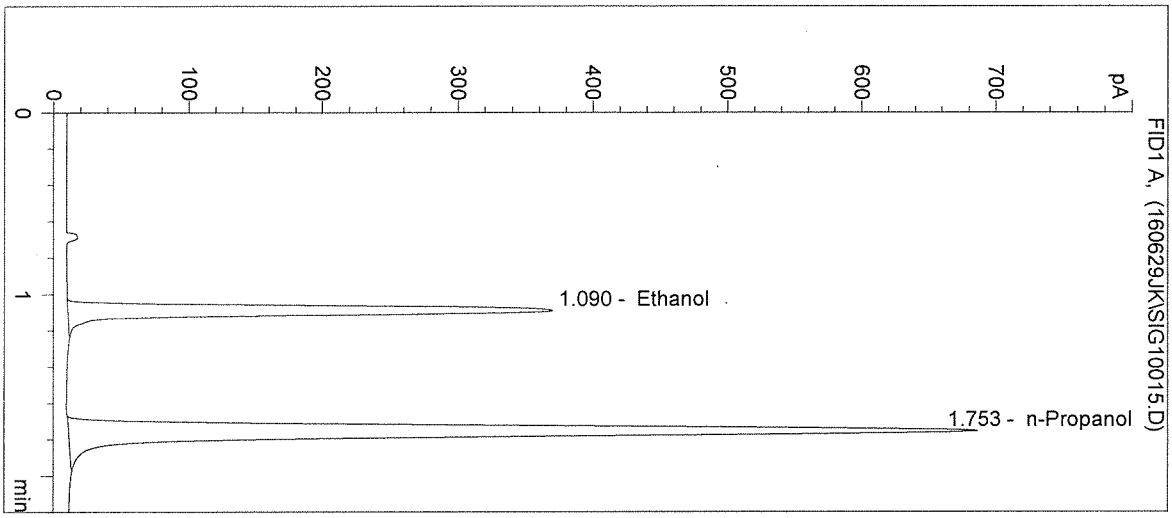


n-Propanol 0.012 g/100mL

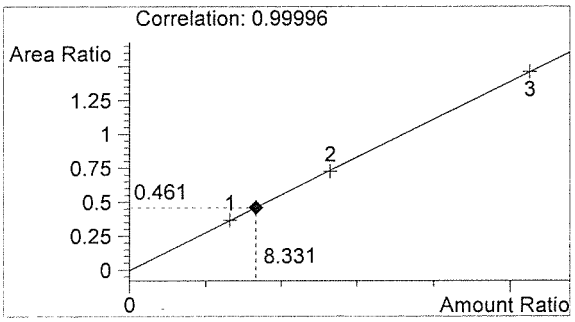
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/29/2016 9:09:13 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16021

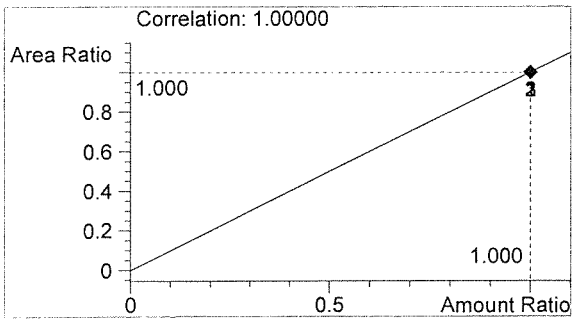
Sample Name: 0.10 CTRL
Operator: Justin Knoy
Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	1236	1.090
2	n-Propanol	2683	1.753



Ethanol 0.100 g/100mL

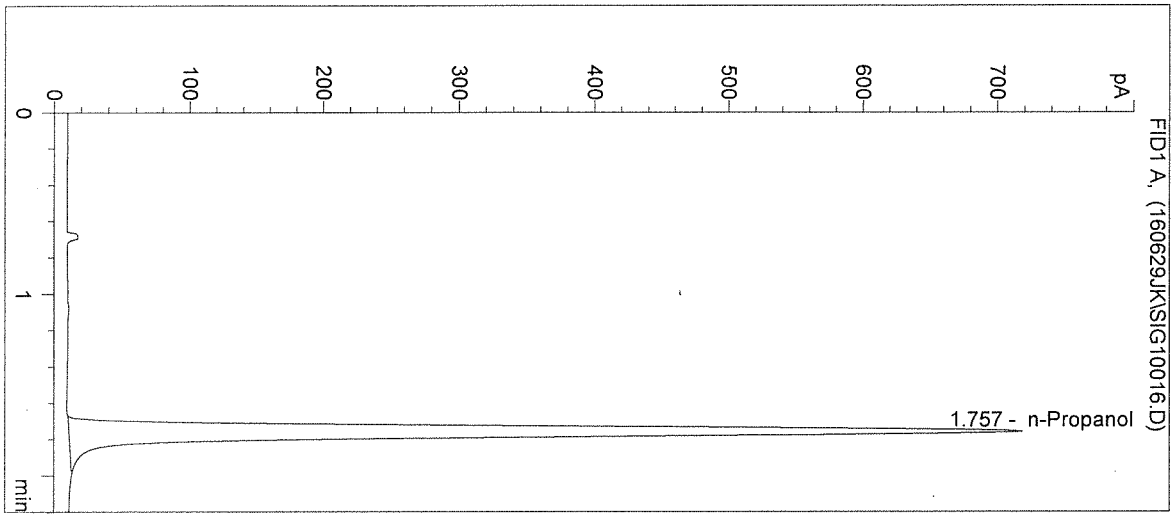


n-Propanol 0.012 g/100mL

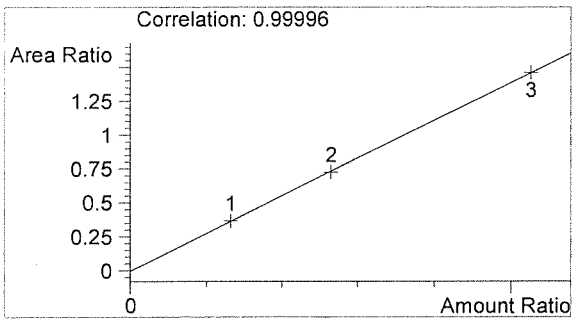
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/29/2016 9:12:27 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16021

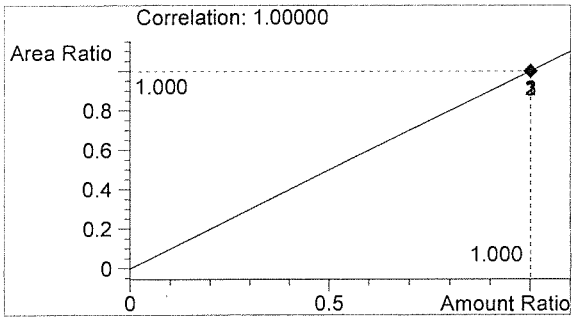
Sample Name: NEG CTRL
Operator: Justin Knoy
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2855	1.757



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

JK

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

Sequence Parameters:

Operator:	Dawn Sklerov
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:	160629DS
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E0416-01 - Exp. 10/01/2016
Ethanol Calibrator 2, E0416-02 - Exp. 10/01/2016
Ethanol Calibrator 3, E0416-03 - Exp. 10/01/2016
CTRL1 (0.04g/100mL), Lot # FN05011301 - Exp. 05/2018
CTRL2 (0.10g/100mL), Lot # FN08051301 - Exp. 10/2018
CTRL3 (0.20g/100mL), Lot # FN03211401 - Exp. 06/2019
Internal Standard Lot#P0516 - Exp. 08/31/2016

Calibration vials 1-9 filed with 16021.

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	16021-1	SIMALC1	1	Sample		
11	Vial 11	16021-2	SIMALC1	1	Sample		
12	Vial 12	16021-3	SIMALC1	1	Sample		
13	Vial 13	16021-4	SIMALC1	1	Sample		
14	Vial 14	16021-5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp		

16021
fn 7/6/16

Calibration Part:

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

DS

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

Sequence Table (Back Injector):

No entries - empty table!

16021

fw 7/6/16

DS

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

Calibration Table

Calib. Data Modified : Wednesday, June 29, 2016 9:42:12 AM

Calculate : Internal Standard
Based on : Peak Area

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

Curve Type : Linear
Origin : Included
Weight : Equal

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

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

Sample ISTD Information:

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

Signal 1: FID1 A,

RetTime [min]	Sig	Lvl	Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.092	1	1	7.91100e-2	1115.49622	7.09191e-5	1		Ethanol
		2	1.59090e-1	1956.87708	8.12979e-5			
		3	3.15200e-1	3906.72534	8.06814e-5			
1.754	1	1	1.20000e-2	2904.60571	4.13137e-6	I1		n-Propanol
		2	1.20000e-2	2690.55078	4.46005e-6			
		3	1.20000e-2	2695.86499	4.45126e-6			

Peak Sum Table

No Entries in table

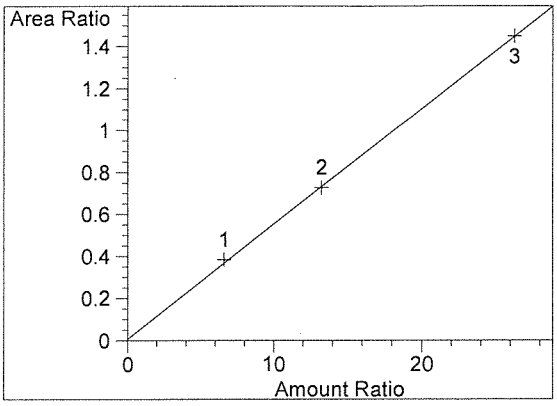
16021
7/6/16

DS

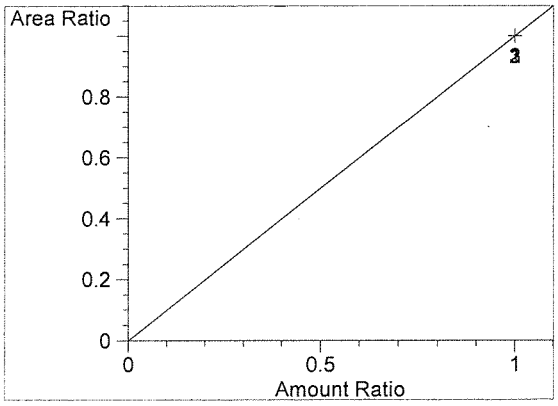
==========

Calibration Curves

==========



Ethanol at exp. RT: 1.092
FID1 A,
Correlation: 0.99985
Residual Std. Dev.: 0.01292
Formula: y = mx + b
m: 5.48862e-2
b: 7.33674e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.754
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

==========

16021

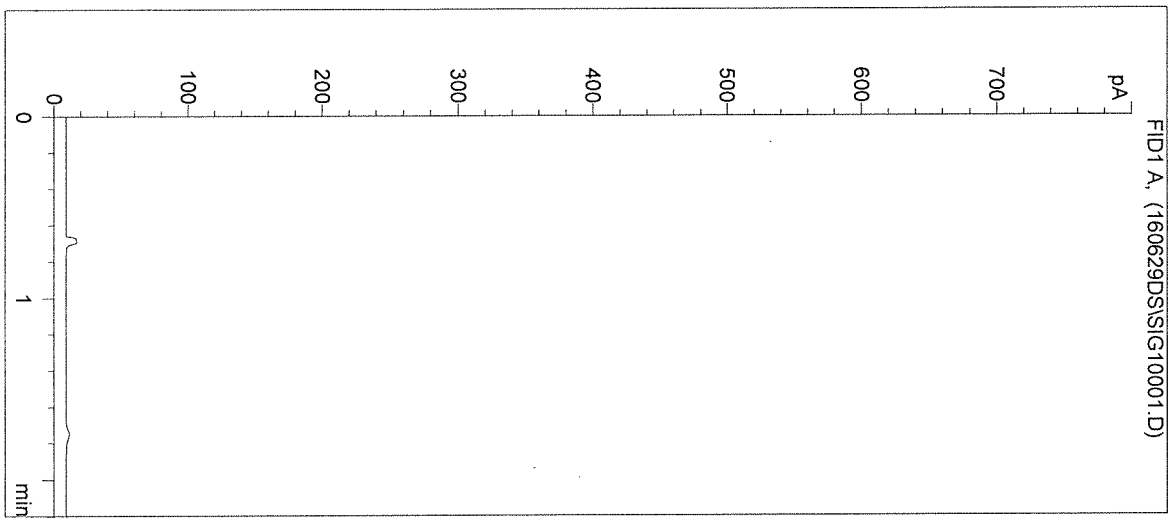
7/16/16

DS

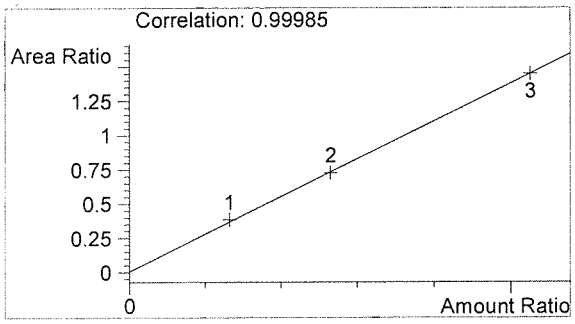
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/29/2016 9:30:07 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16021

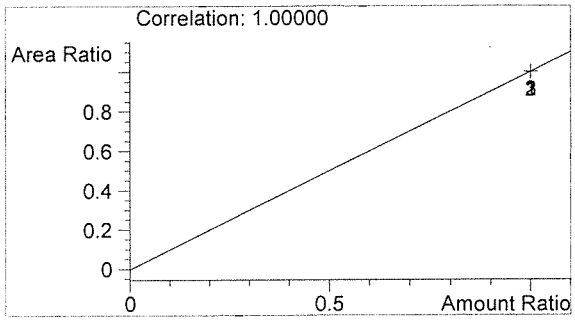
Sample Name: BLANK
Operator: Dawn Sklerov
Location: Vial 1



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



Ethanol 0.000 g/100mL



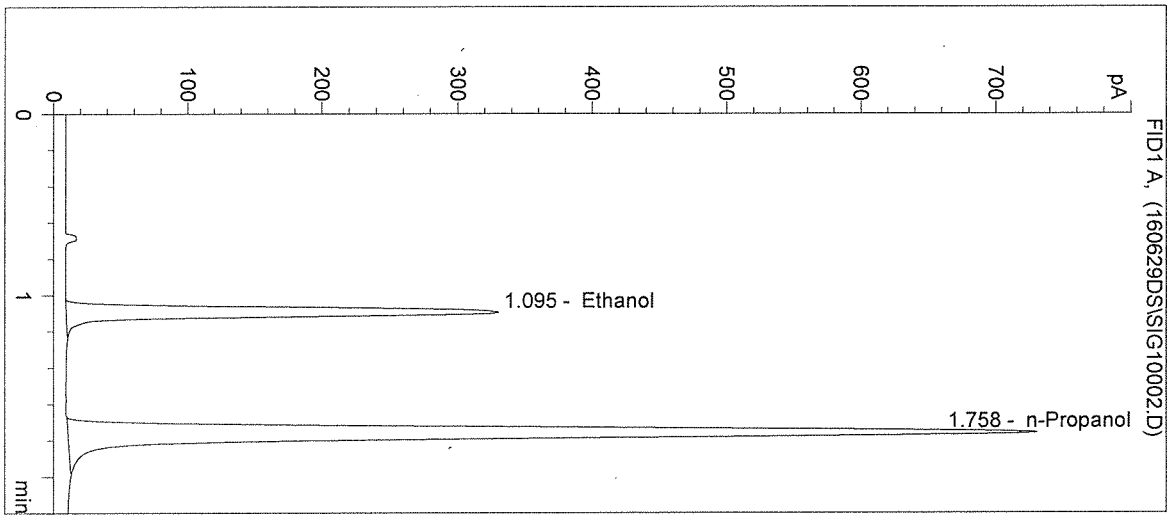
n-Propanol 0.000 g/100mL

DS

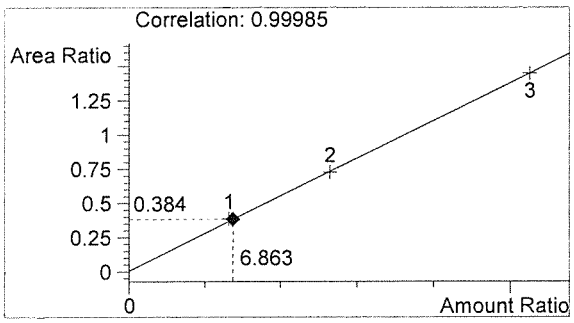
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/29/2016 9:33:25 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16021

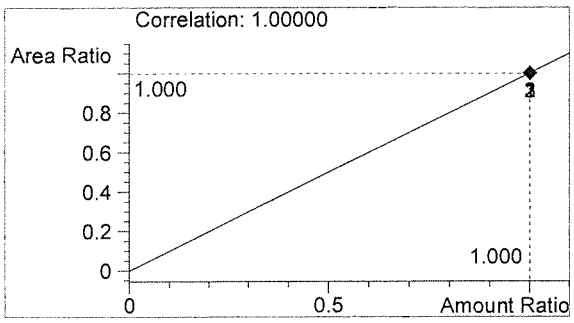
Sample Name: 0.079 CAL 1
Operator: Dawn Sklerov
Location: Vial 2



#	Compound	Peak Area	RT (min)
1	Ethanol	1115	1.095
2	n-Propanol	2905	1.758



Ethanol 0.082 g/100mL

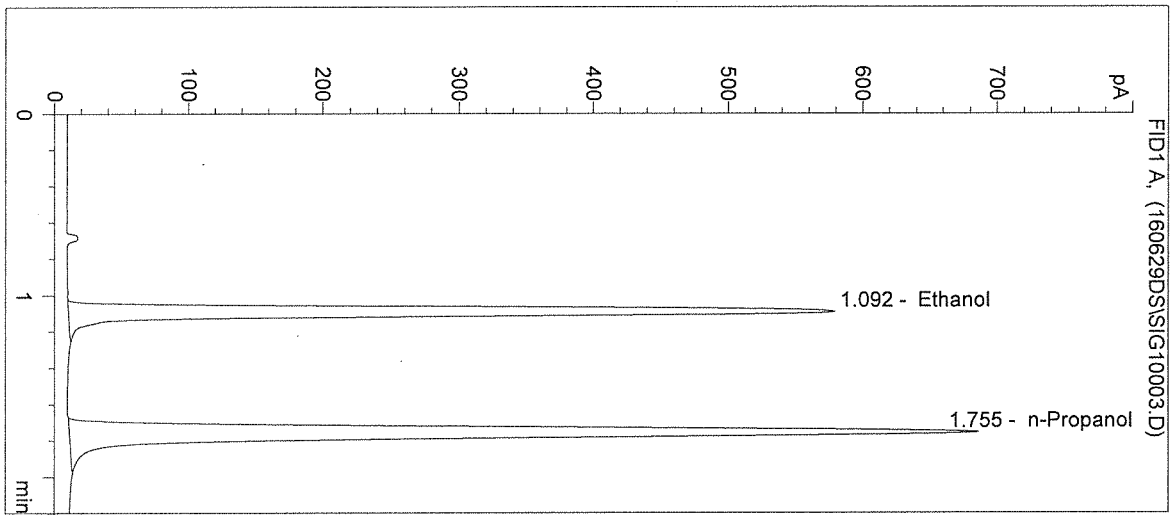


n-Propanol 0.012 g/100mL

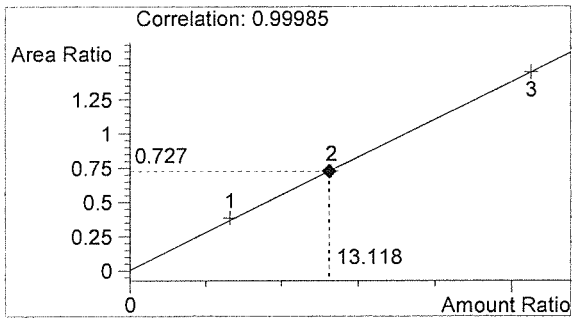
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/29/2016 9:36:42 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16021

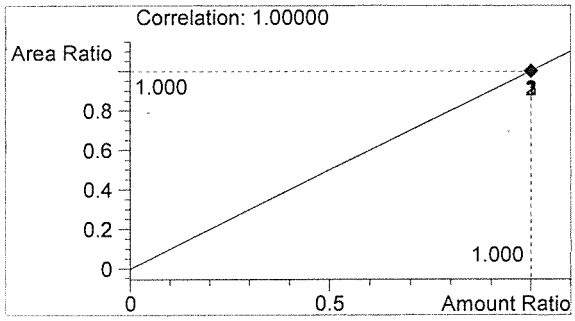
Sample Name: 0.158 CAL 2
Operator: Dawn Sklerov
Location: Vial 3



#	Compound	Peak Area	RT (min)
1	Ethanol	1957	1.092
2	n-Propanol	2691	1.755



Ethanol 0.157 g/100mL

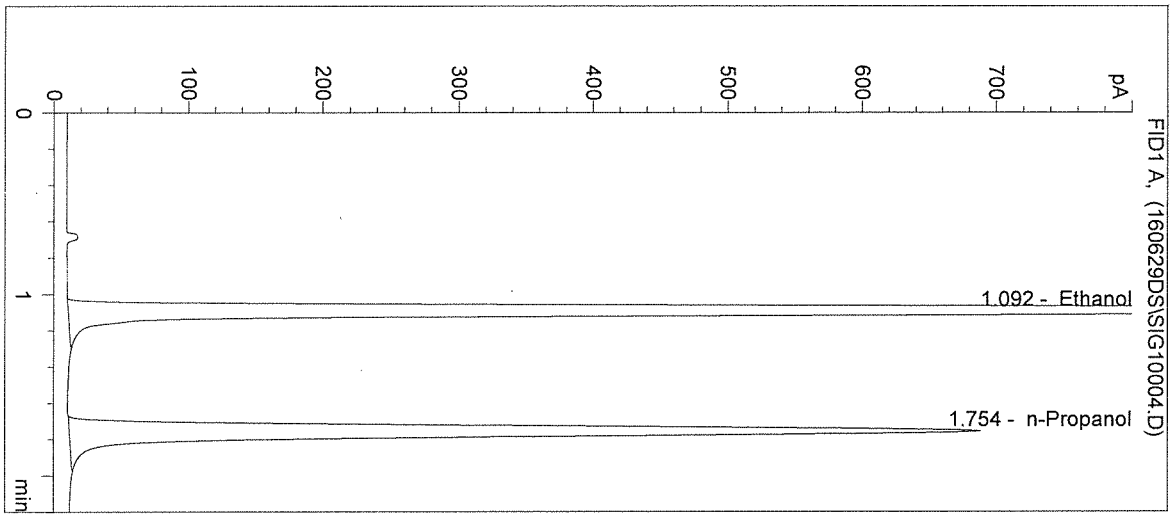


n-Propanol 0.012 g/100mL

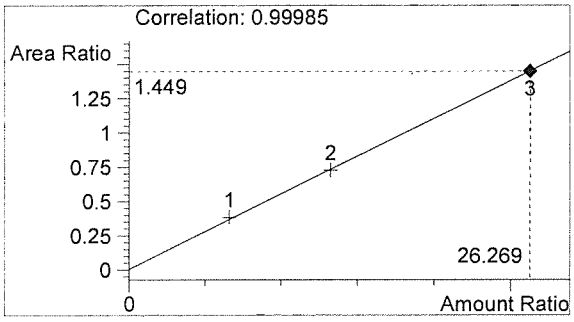
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/29/2016 9:39:59 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16021

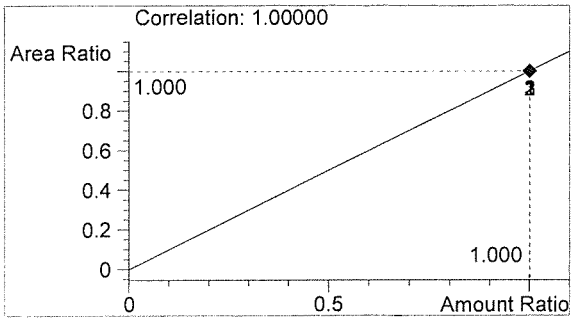
Sample Name: 0.316 CAL 3
Operator: Dawn Sklerov
Location: Vial 4



#	Compound	Peak Area	RT (min)
1	Ethanol	3907	1.092
2	n-Propanol	2696	1.754



Ethanol 0.315 g/100mL

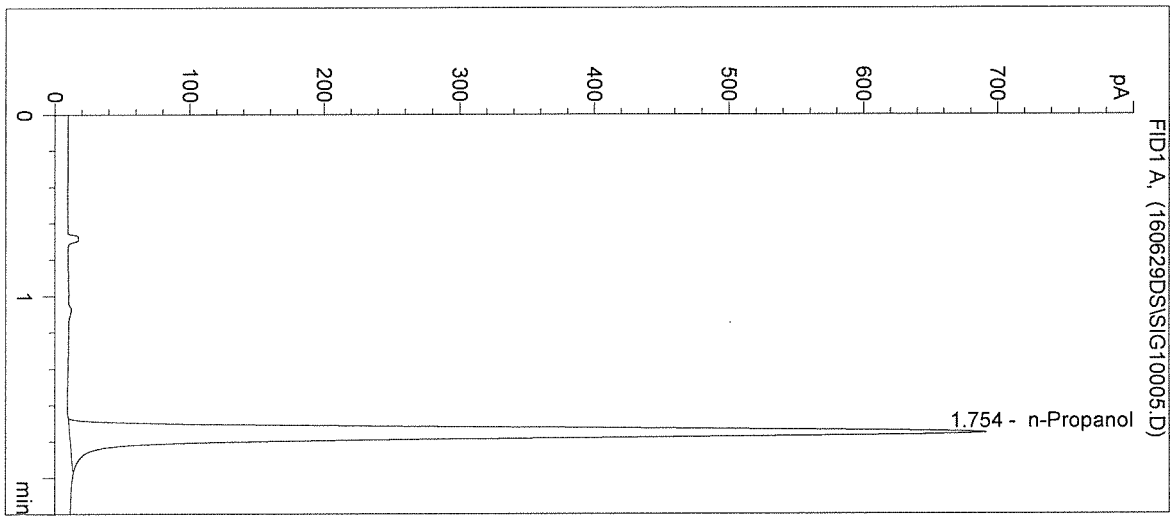


n-Propanol 0.012 g/100mL

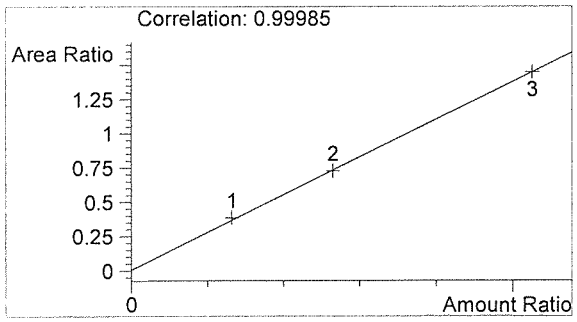
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/29/2016 9:43:12 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16021

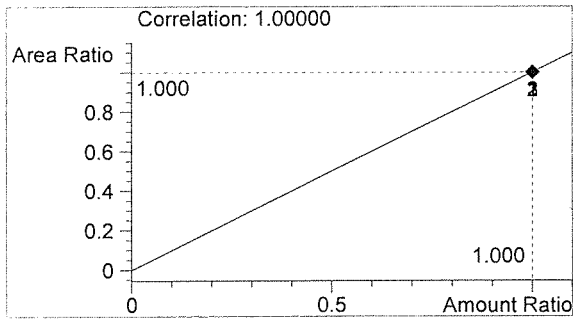
Sample Name: NEG CTRL
Operator: Dawn Sklerov
Location: Vial 5



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2710	1.754



Ethanol 0.000 g/100mL

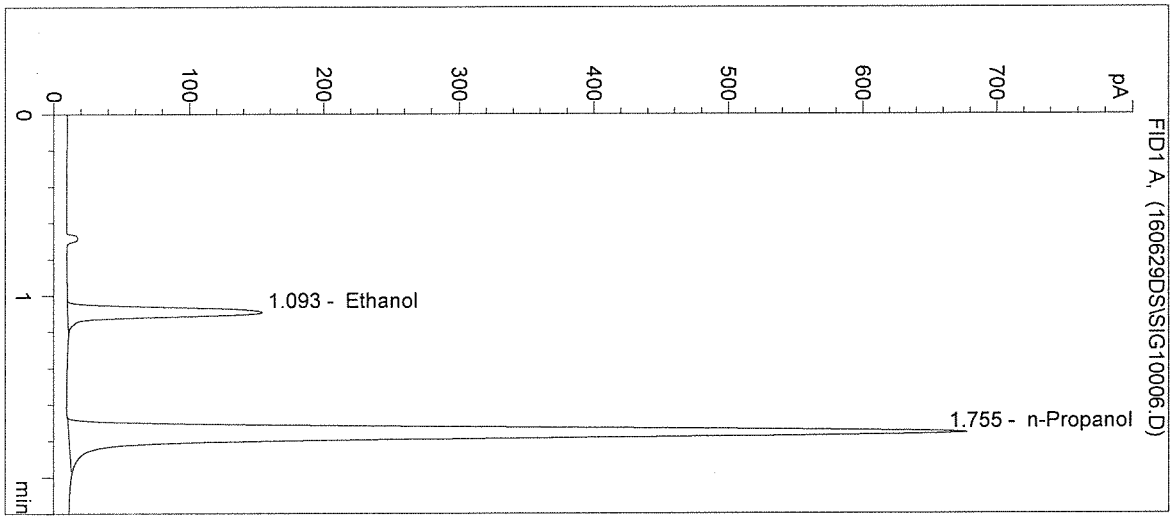


n-Propanol 0.012 g/100mL

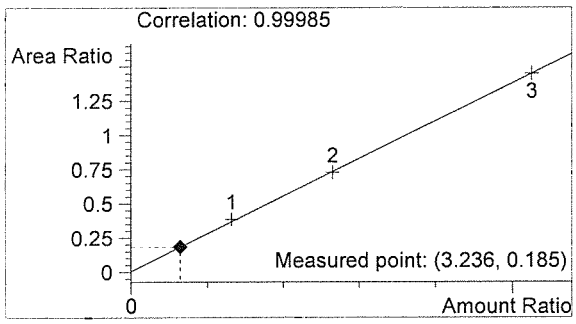
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/29/2016 9:46:26 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16021

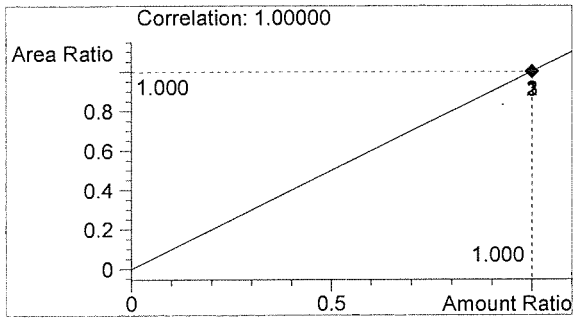
Sample Name: 0.04 CTRL
Operator: Dawn Sklerov
Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	492	1.093
2	n-Propanol	2660	1.755



Ethanol 0.039 g/100mL

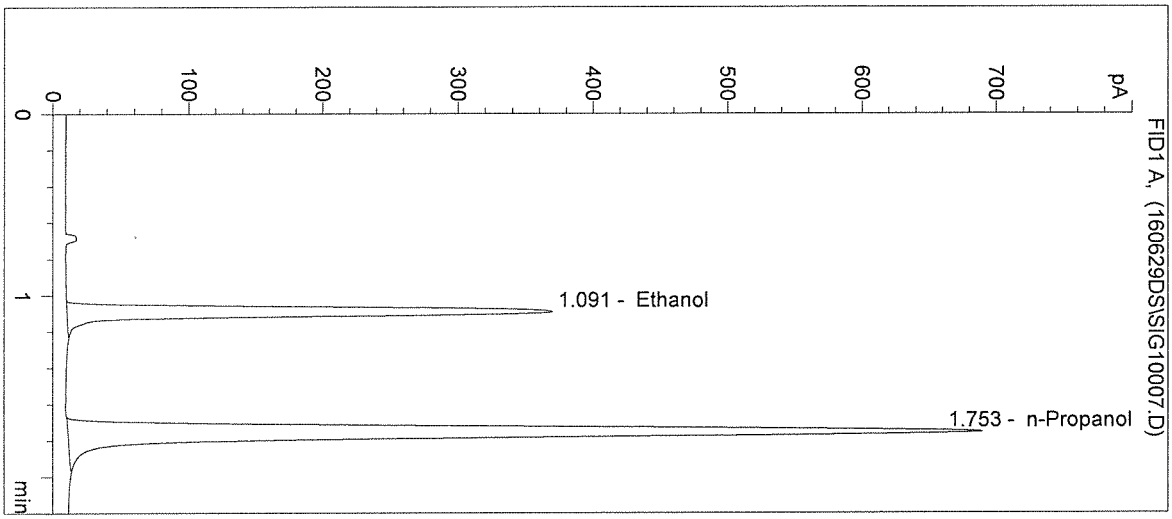


n-Propanol 0.012 g/100mL

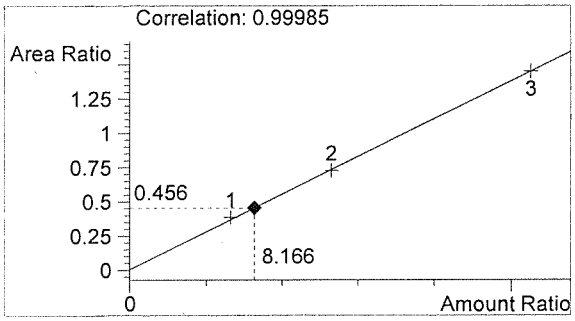
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/29/2016 9:49:39 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16021

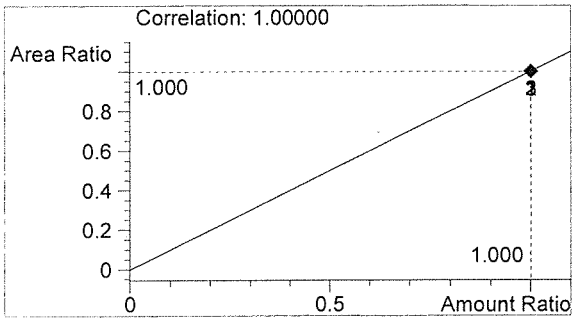
Sample Name: 0.10 CTRL
Operator: Dawn Sklerov
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	1226	1.091
2	n-Propanol	2692	1.753



Ethanol 0.098 g/100mL

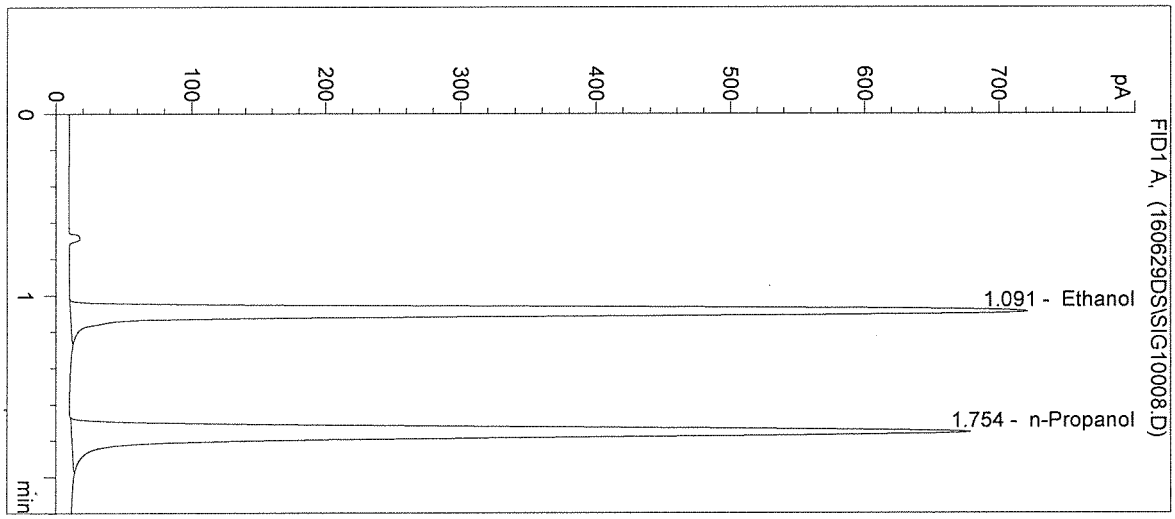


n-Propanol 0.012 g/100mL

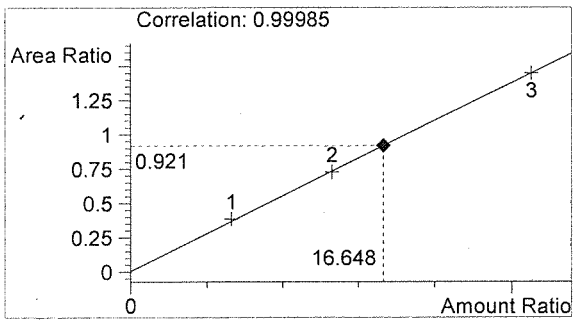
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/29/2016 9:52:52 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16021

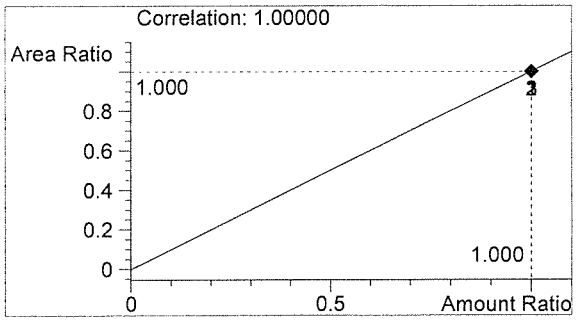
Sample Name: 0.20 CTRL
Operator: Dawn Sklerov
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	2452	1.091
2	n-Propanol	2662	1.754



Ethanol 0.200 g/100mL

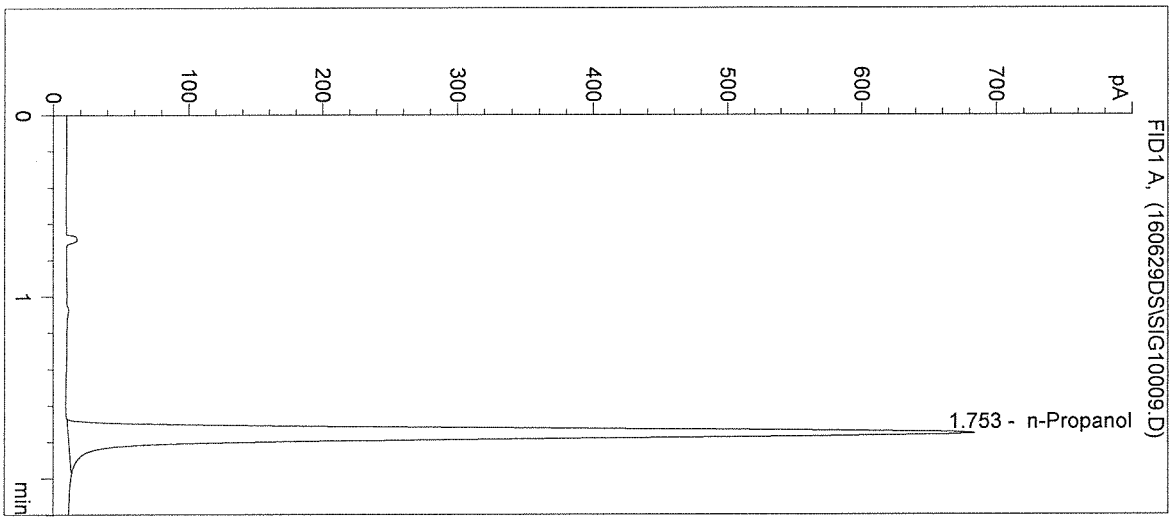


n-Propanol 0.012 g/100mL

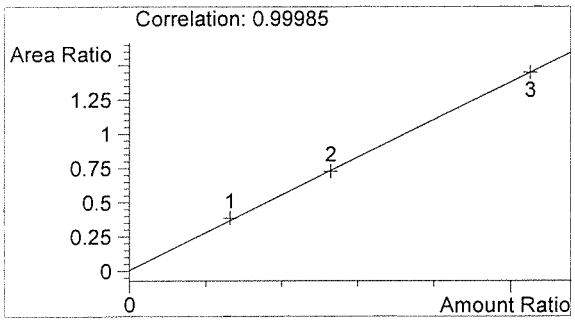
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/29/2016 9:56:06 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16021

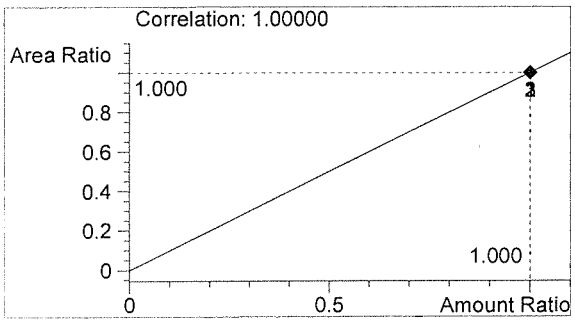
Sample Name: NEG CTRL
Operator: Dawn Sklerov
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2668	1.753



Ethanol 0.000 g/100mL

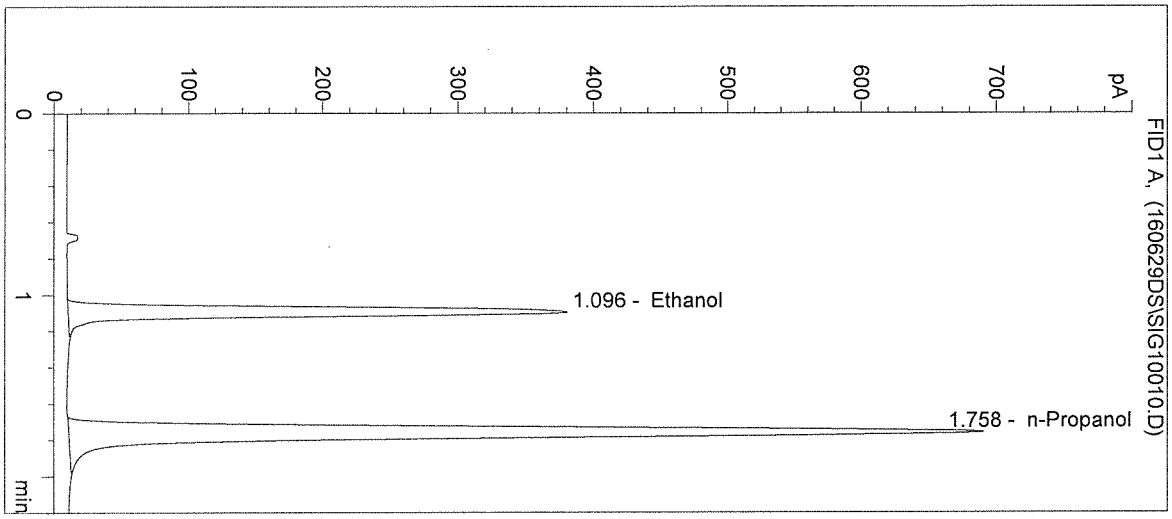


n-Propanol 0.012 g/100mL

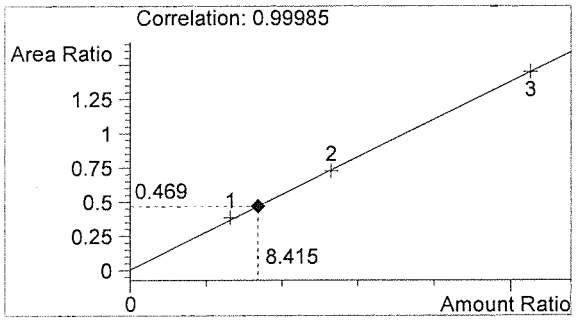
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/29/2016 9:59:19 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

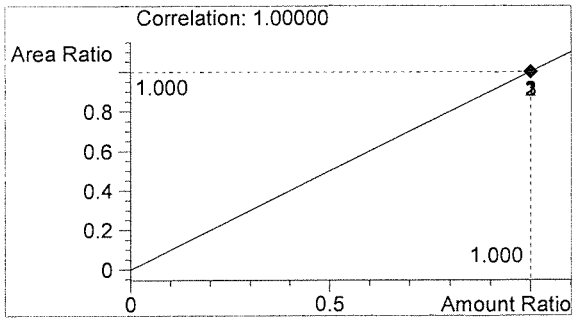
Sample Name: 16021-1
Operator: Dawn Sklerov
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	1286	1.096
2	n-Propanol	2741	1.758



Ethanol 0.101 g/100mL

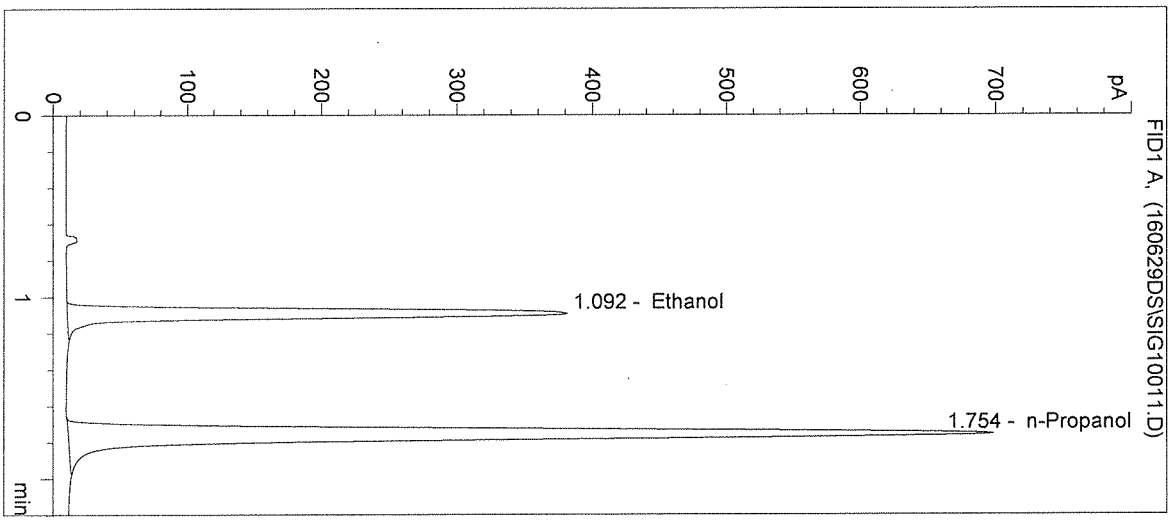


n-Propanol 0.012 g/100mL

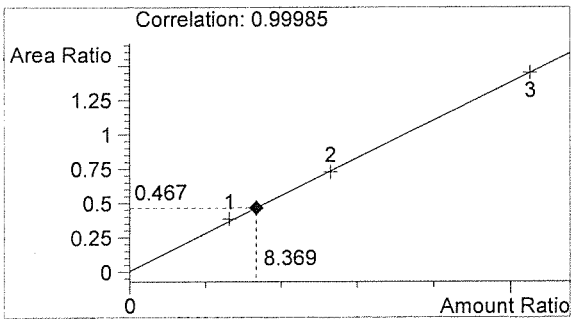
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/29/2016 10:02:32 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

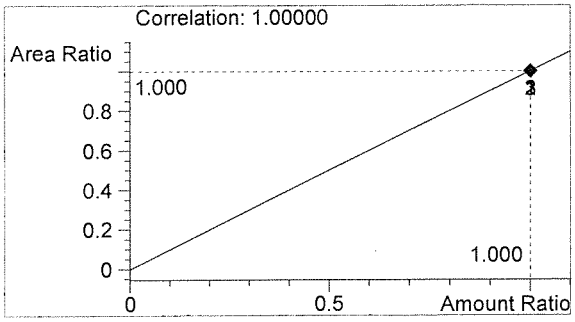
Sample Name: 16021-2
Operator: Dawn Sklerov
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	1281	1.092
2	n-Propanol	2744	1.754



Ethanol 0.100 g/100mL

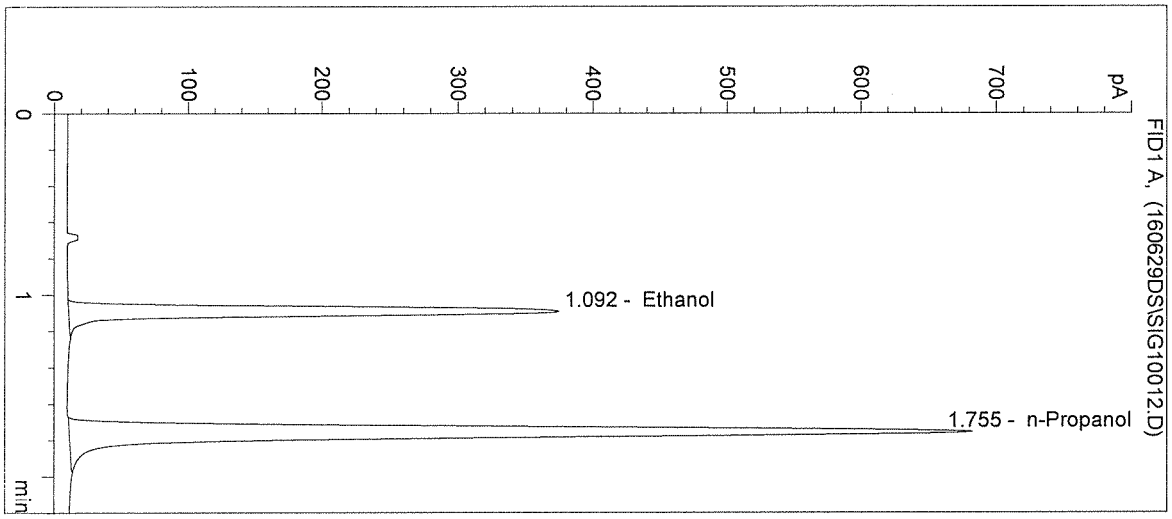


n-Propanol 0.012 g/100mL

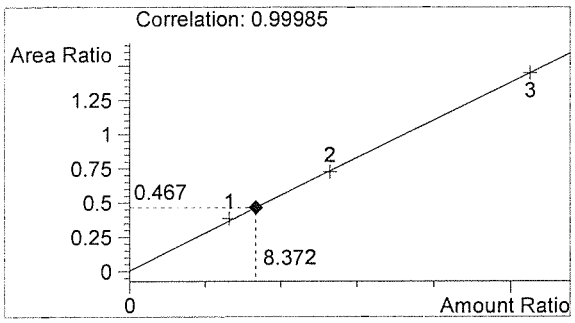
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/29/2016 10:05:45 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

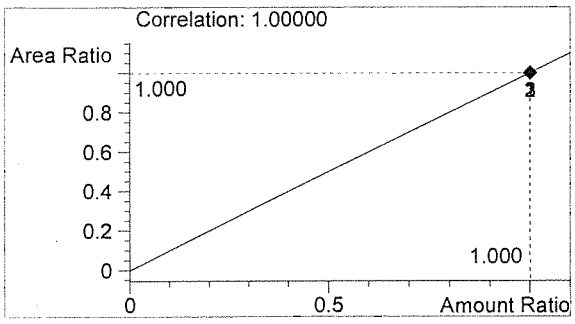
Sample Name: 16021-3
Operator: Dawn Sklerov
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	1255	1.092
2	n-Propanol	2689	1.755



Ethanol 0.100 g/100mL

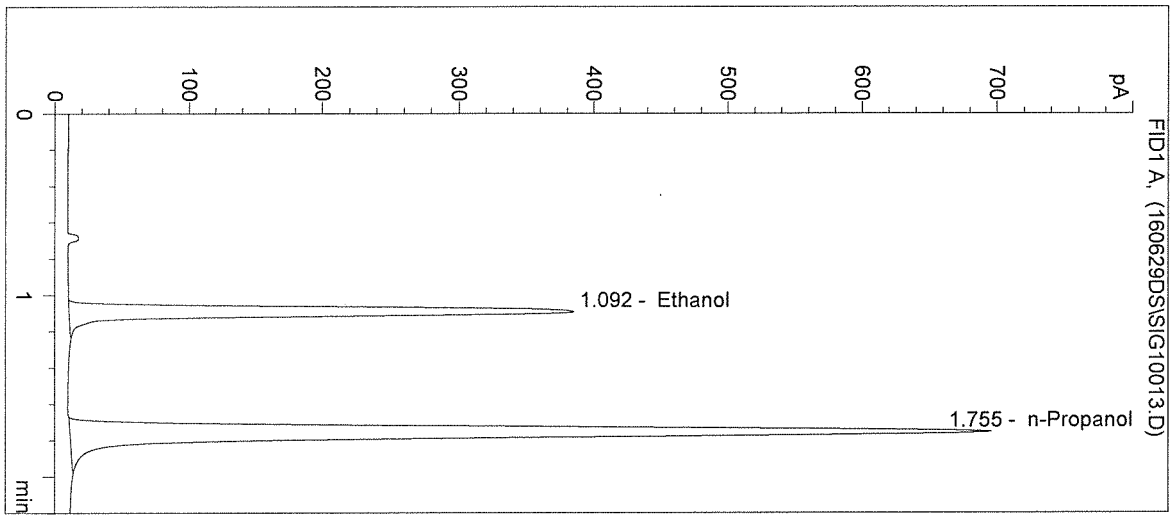


n-Propanol 0.012 g/100mL

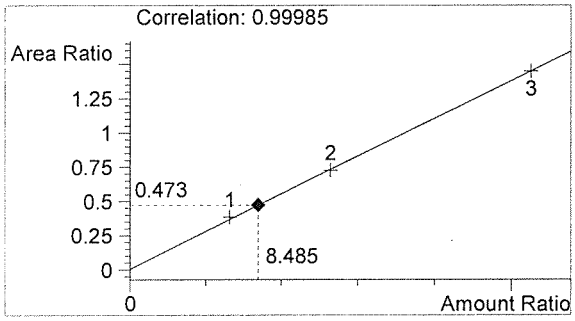
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/29/2016 10:08:59 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

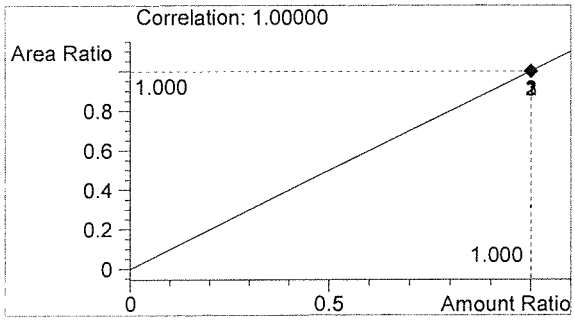
Sample Name: 16021-4
Operator: Dawn Sklerov
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	1293	1.092
2	n-Propanol	2733	1.755



Ethanol 0.102 g/100mL

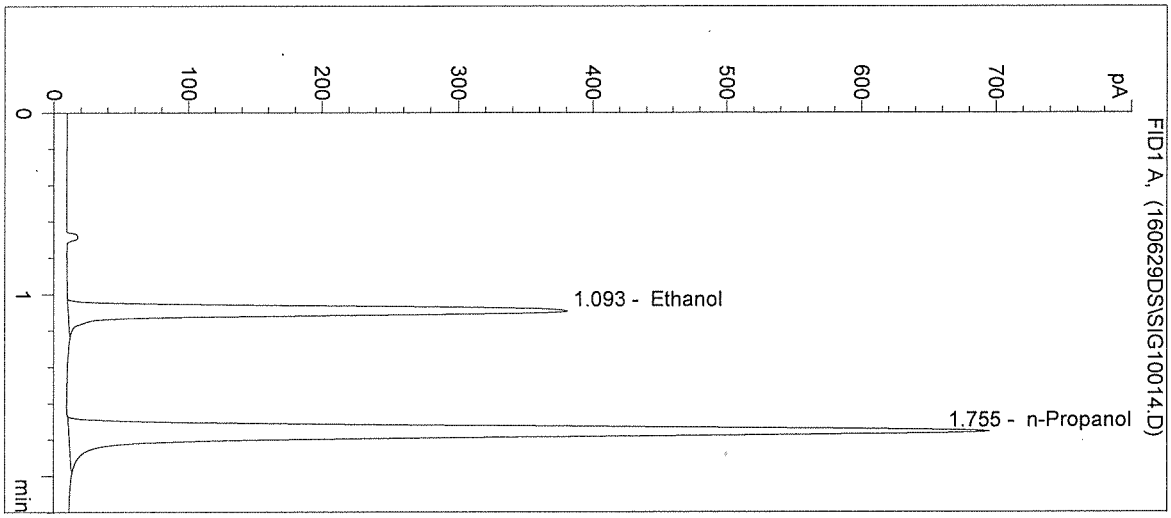


n-Propanol 0.012 g/100mL

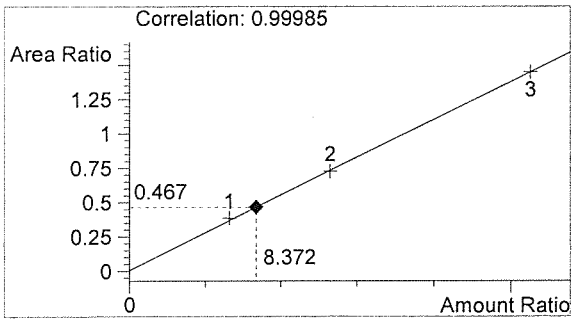
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/29/2016 10:12:12 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

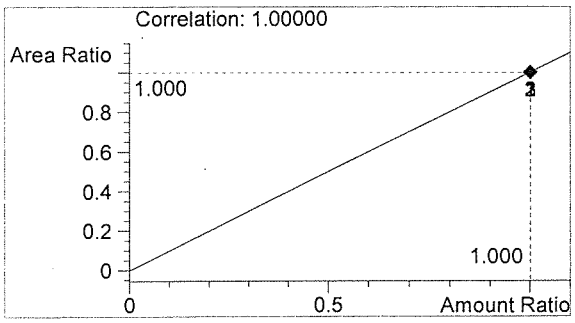
Sample Name: 16021-5
Operator: Dawn Sklerov
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	1280	1.093
2	n-Propanol	2742	1.755



Ethanol 0.100 g/100mL

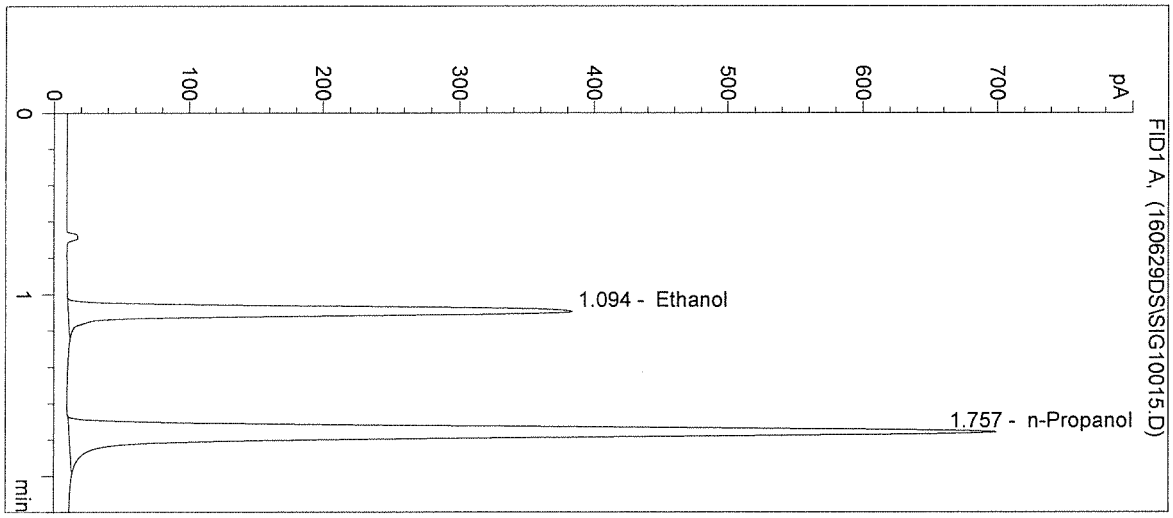


n-Propanol 0.012 g/100mL

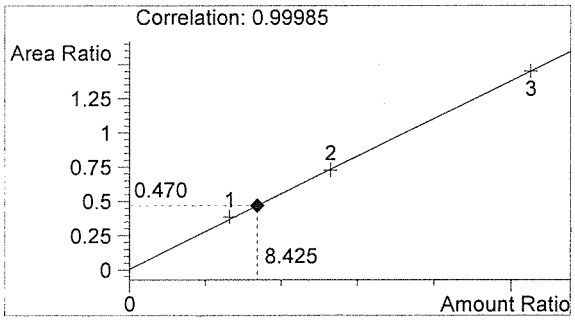
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/29/2016 10:15:25 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16021

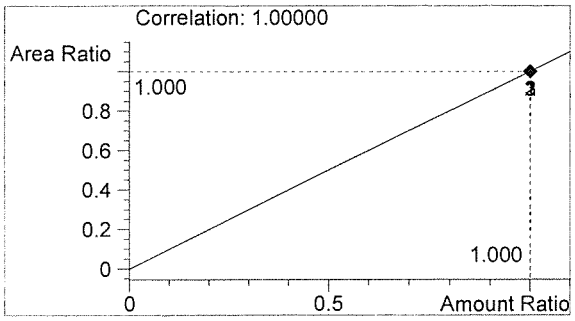
Sample Name: 0.10 CTRL
Operator: Dawn Sklerov
Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	1303	1.094
2	n-Propanol	2774	1.757



Ethanol 0.101 g/100mL

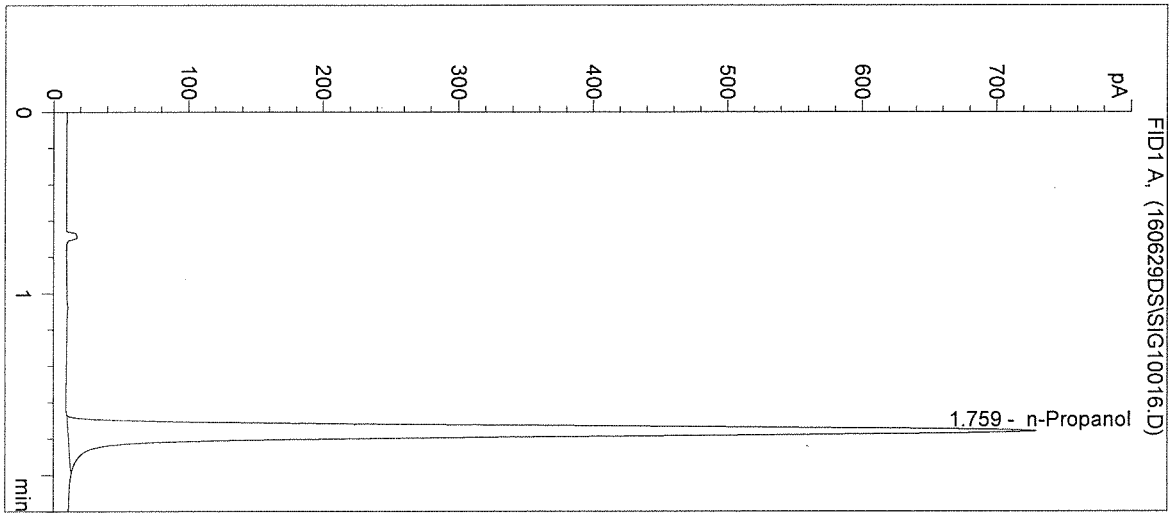


n-Propanol 0.012 g/100mL

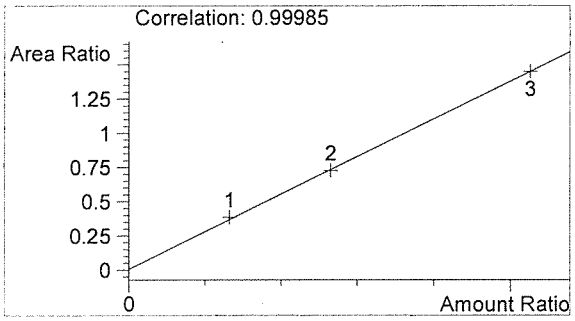
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/29/2016 10:18:39 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16021

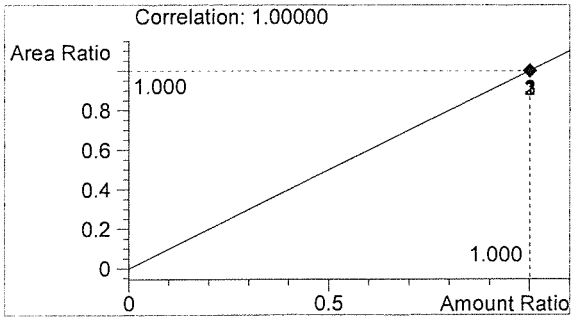
Sample Name: NEG CTRL
Operator: Dawn Sklerov
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2905	1.759



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

Sequence: C:\HPCHEM\1\SEQUENCE\DN-ESS.S

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\1\DATA\
Data Subdirectory:	160705DN
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: E0416-01 - X: 10/01/16
CAL 2: 0.158 g/100mL - Lot: E0416-02 - X: 10/01/16
CAL 3: 0.316 g/100mL - Lot: E0416-03 - X: 10/01/16

CTRL 1: 0.04 g/100mL - Lot: FN05011301 - X: 05/2018
CTRL 2: 0.10 g/100mL - Lot: FN08051301 - X: 10/2018
CTRL 3: 0.20 g/100mL - Lot: FN03211401 - X: 06/2019

n-Propanol ISTD - Lot: P0516 - X: 08/31/16

Calibration vials 1-9 filed with 16021.

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	16021 #1	SIMALC1	1	Sample		
11	Vial 11	16021 #2	SIMALC1	1	Sample		
12	Vial 12	16021 #3	SIMALC1	1	Sample		
13	Vial 13	16021 #4	SIMALC1	1	Sample		
14	Vial 14	16021 #5	SIMALC1	1	Sample		
15	Vial 15	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp		

16021
7/6/16

Calibration Part:

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

DN

Sequence: C:\HPCHEM\1\SEQUENCE\DN-ESS.S

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
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!

16021

7/16/16

DN

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

==========

Calibration Table

==========

Calib. Data Modified : Tuesday, July 05, 2016 2:25:06 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
1.095	1	1	7.91100e-2	987.37860	8.01212e-5	1		Ethanol
		2	1.59090e-1	2058.48242	7.72851e-5			
		3	3.15200e-1	4000.50439	7.87901e-5			
1.759	1	1	1.20000e-2	2629.84473	4.56301e-6	I1		n-Propanol
		2	1.20000e-2	2744.96997	4.37163e-6			
		3	1.20000e-2	2653.68652	4.52201e-6			

==========

Peak Sum Table

==========

No Entries in table

==========

16021

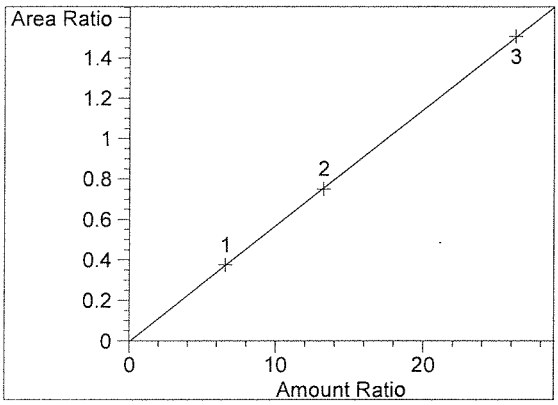
7/6/16

DN

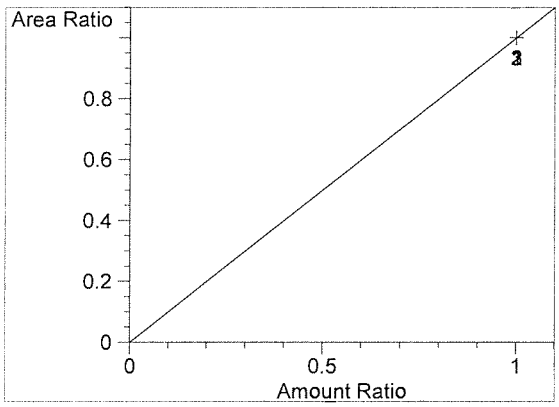
==========

Calibration Curves

==========



Ethanol at exp. RT: 1.095
FID1 A,
Correlation: 0.99997
Residual Std. Dev.: 0.00635
Formula: y = mx + b
m: 5.73810e-2
b: -3.33275e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.759
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

==========

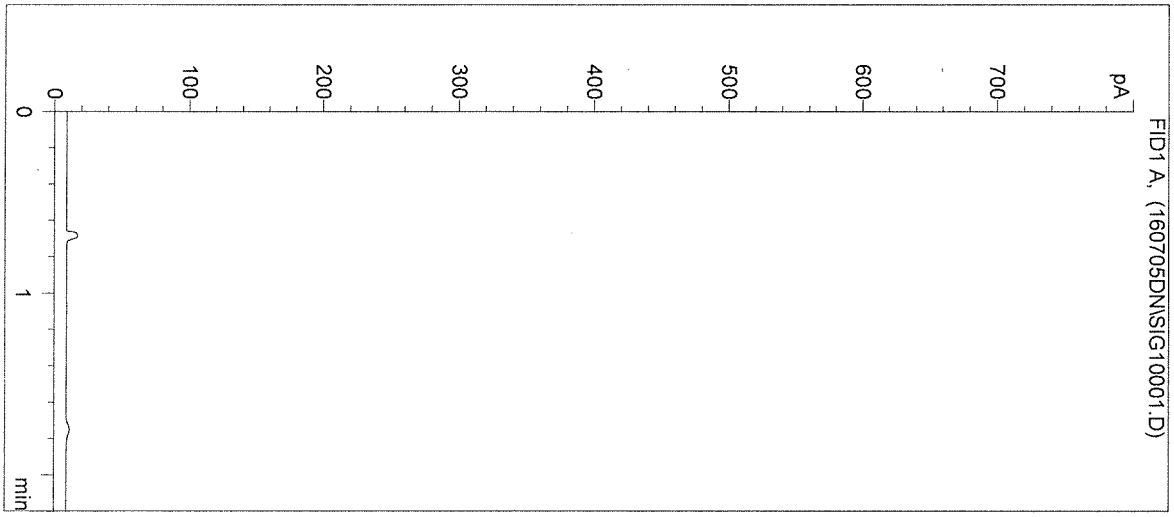
16021
Jm/6/16

DN

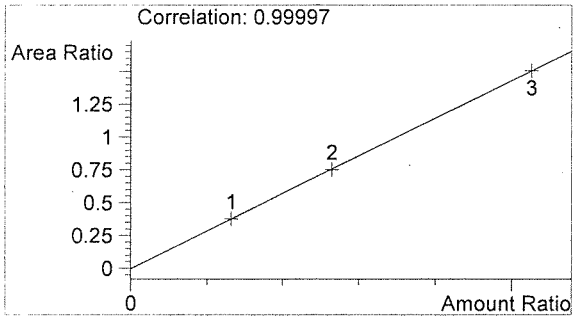
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/5/2016 2:13:00 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16021

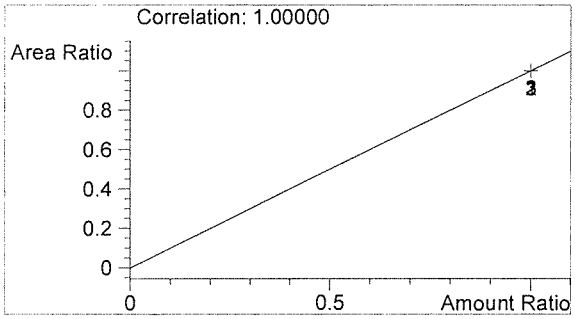
Sample Name: BLANK
Operator: David Nguyen
Location: Vial 1



#	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

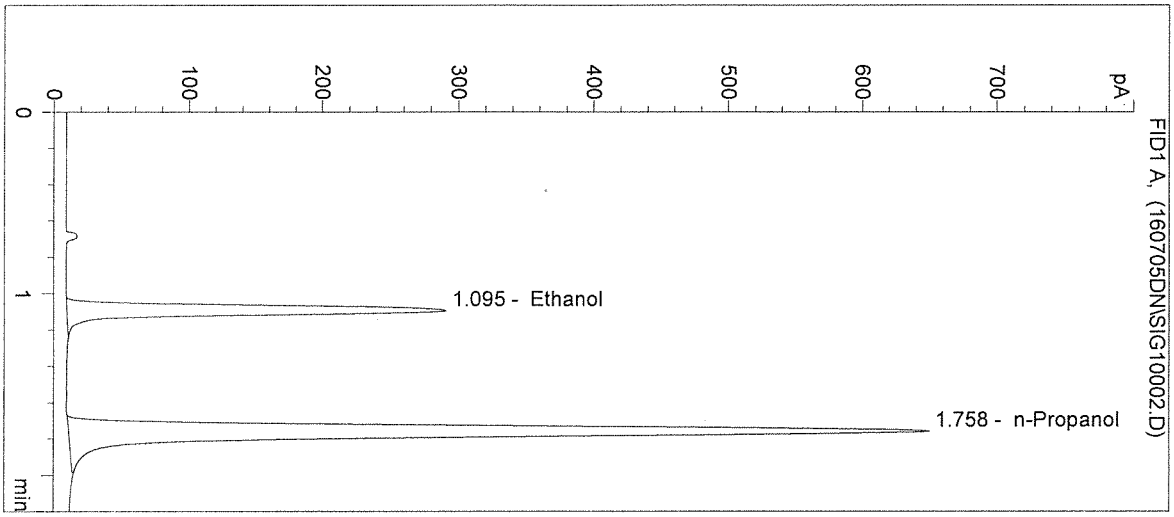
DN

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

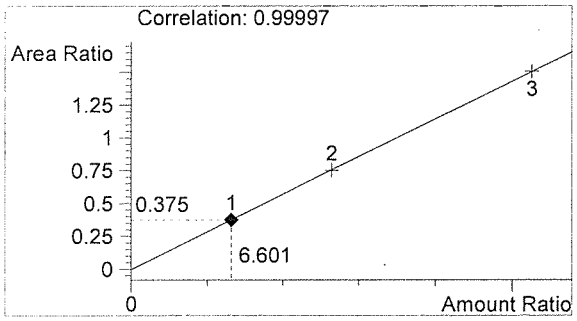
Inj. Date: 7/5/2016 2:16:19 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: CAL 1: 0.079 g/100mL
16021

Sample Name: CAL 1 (0.079)
Operator: David Nguyen
Location: Vial 2

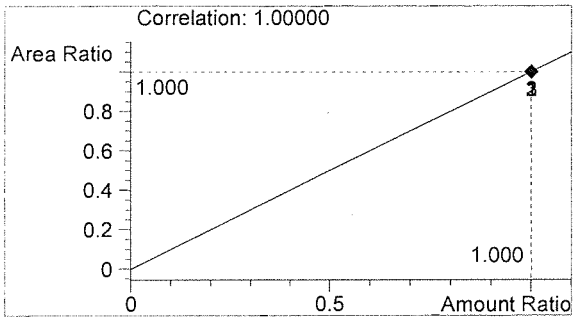
->



#	Compound	Peak Area	RT (min)
1	Ethanol	987	1.095
2	n-Propanol	2630	1.758



Ethanol 0.079 g/100mL



n-Propanol 0.012 g/100mL

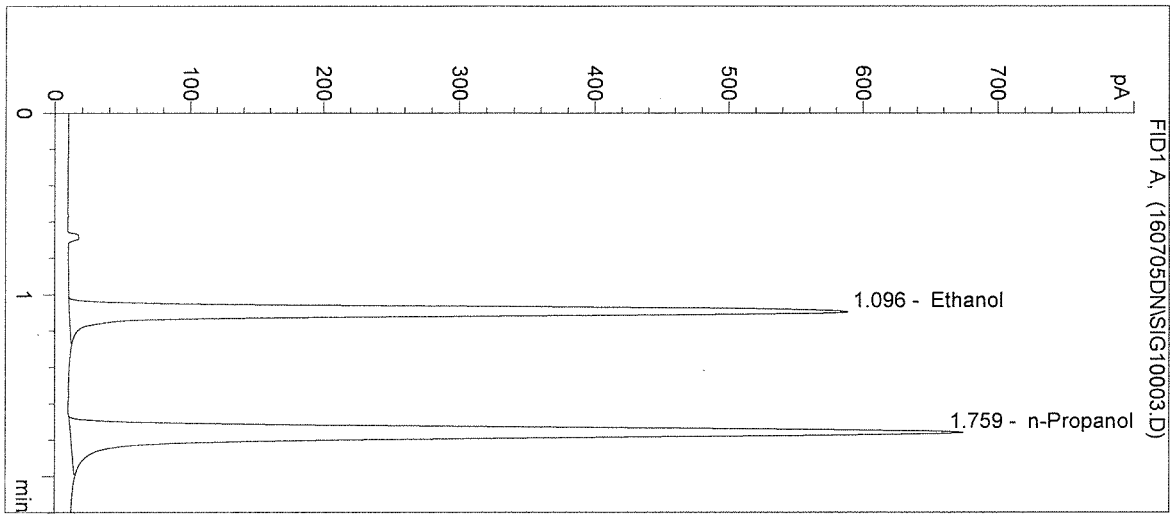
DN

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

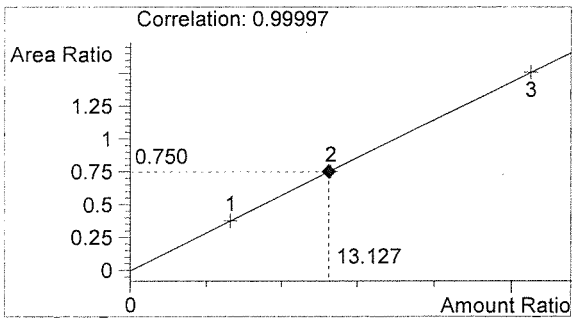
Inj. Date: 7/5/2016 2:19:36 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: CAL 2: 0.158 g/100mL
16021

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

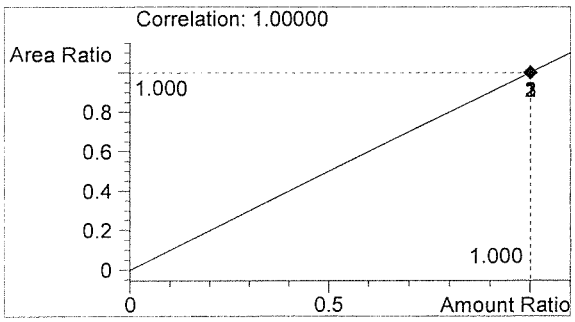
->



#	Compound	Peak Area	RT (min)
1	Ethanol	2058	1.096
2	n-Propanol	2745	1.759



Ethanol 0.158 g/100mL



n-Propanol 0.012 g/100mL

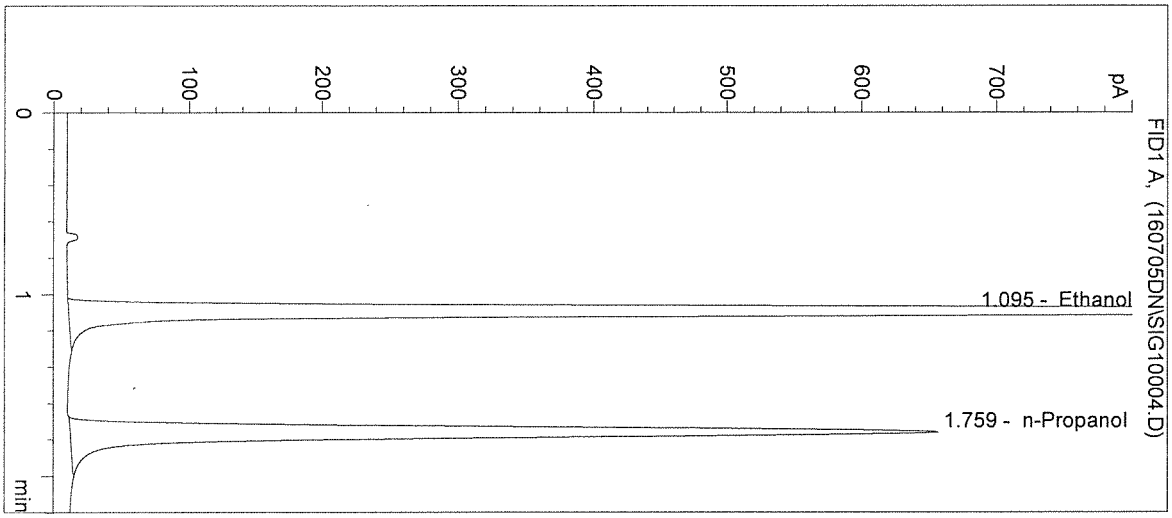
DN

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

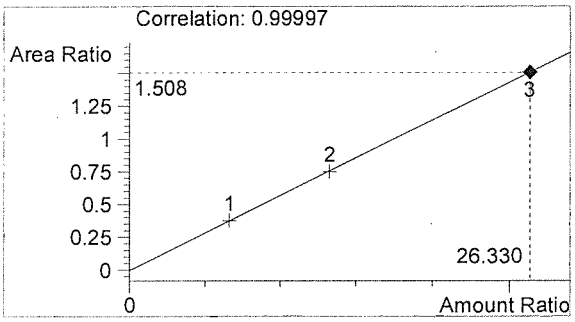
Inj. Date: 7/5/2016 2:22:53 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: CAL 3: 0.316 g/100mL
16021

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

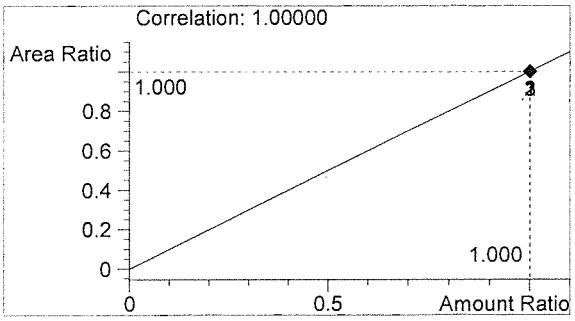
->



#	Compound	Peak Area	RT (min)
1	Ethanol	4001	1.095
2	n-Propanol	2654	1.759



Ethanol 0.316 g/100mL



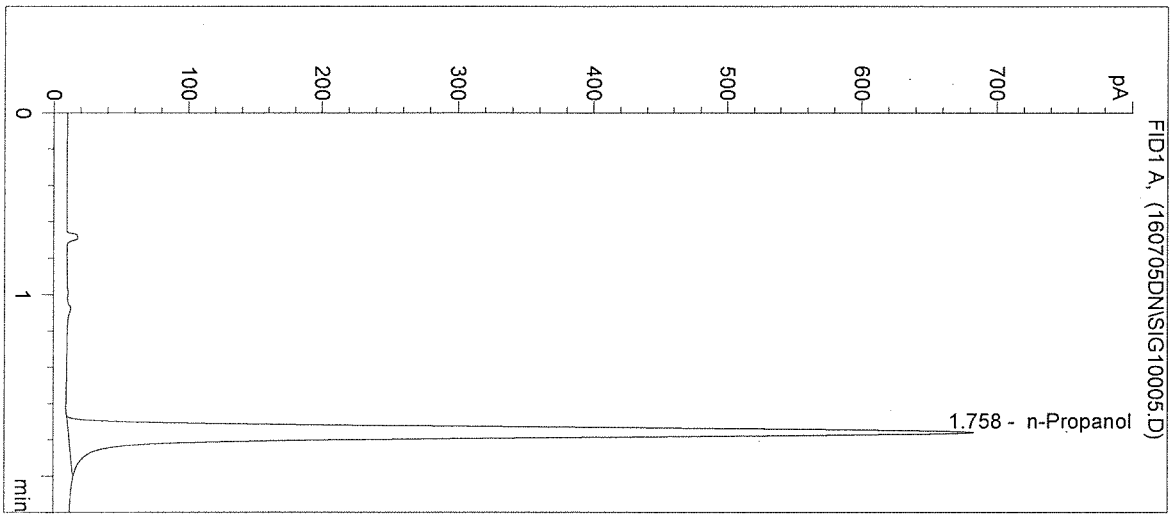
n-Propanol 0.012 g/100mL

DN

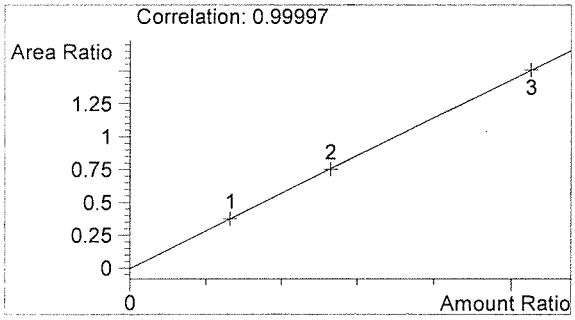
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/5/2016 2:26:06 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16021

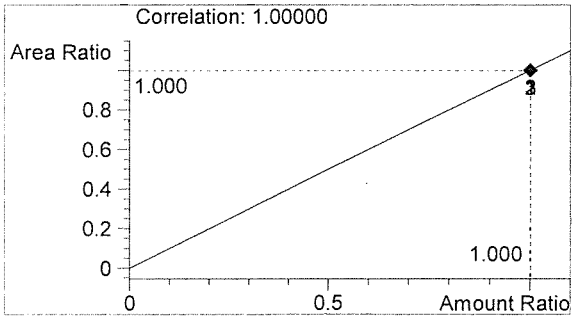
Sample Name: NEG CTRL
Operator: David Nguyen
Location: Vial 5



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2768	1.758



Ethanol 0.000 g/100mL



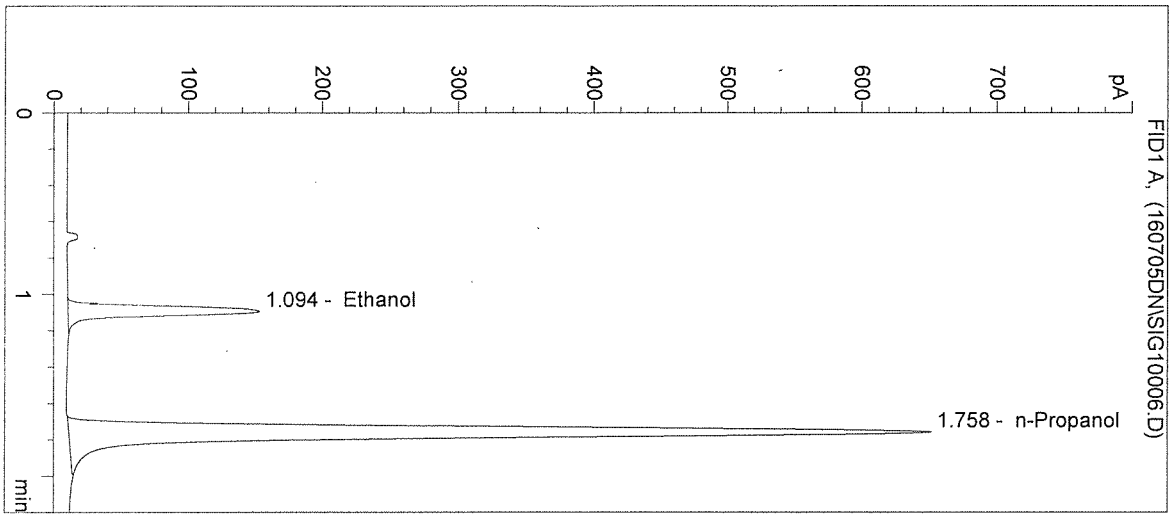
n-Propanol 0.012 g/100mL

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

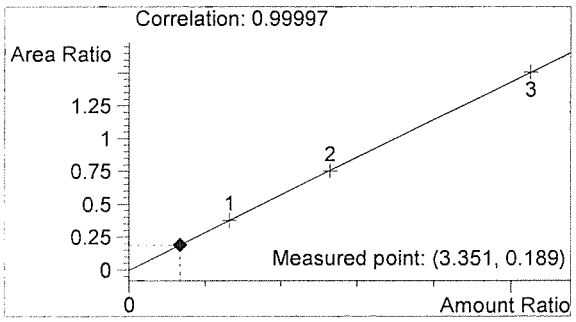
Inj. Date: 7/5/2016 2:29:20 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: CTRL 1: 0.04 g/100mL
16021

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

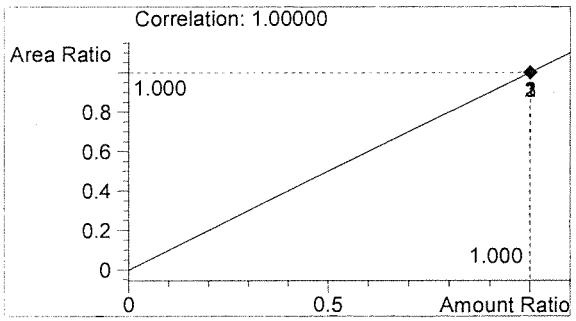
->



#	Compound	Peak Area	RT (min)
1	Ethanol	497	1.094
2	n-Propanol	2632	1.758



Ethanol 0.040 g/100mL



n-Propanol 0.012 g/100mL

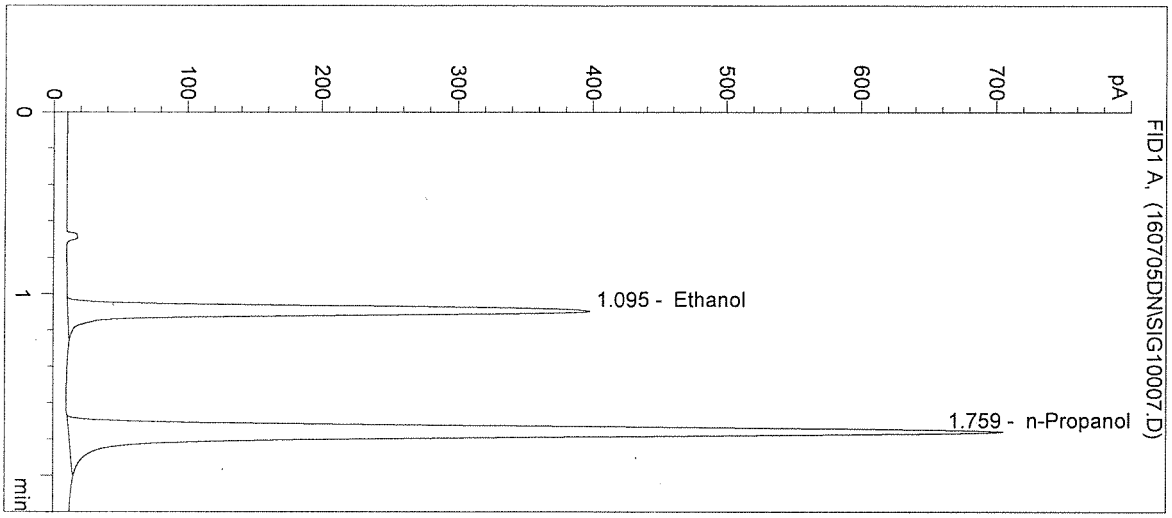
DN

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

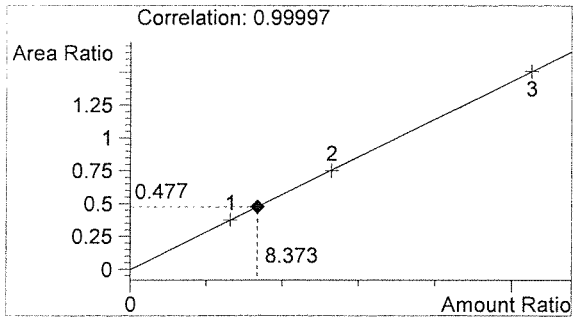
Inj. Date: 7/5/2016 2:32:32 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: CTRL 2: 0.10 g/100mL
16021

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

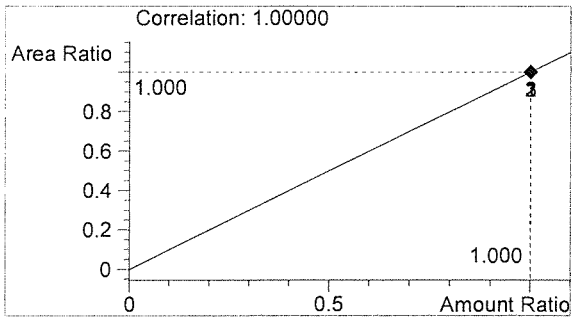
->



#	Compound	Peak Area	RT (min)
1	Ethanol	1365	1.095
2	n-Propanol	2860	1.759



Ethanol 0.100 g/100mL



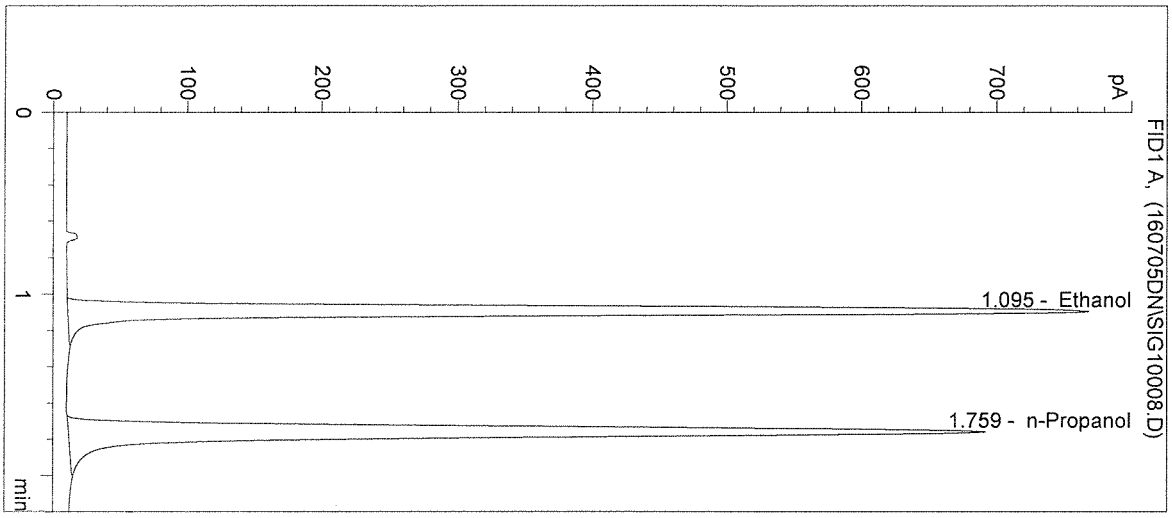
n-Propanol 0.012 g/100mL

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

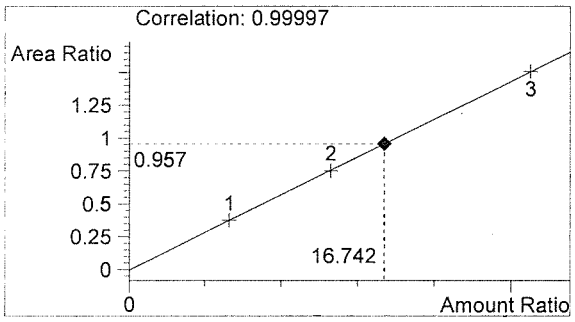
Inj. Date: 7/5/2016 2:35:46 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: CTRL 3: 0.20 g/100mL
16021

Sample Name: CTRL 3 (0.20)
Operator: David Nguyen
Location: Vial 8

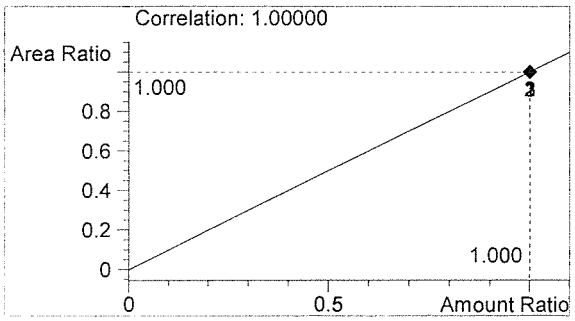
->



#	Compound	Peak Area	RT (min)
1	Ethanol	2689	1.095
2	n-Propanol	2809	1.759



Ethanol 0.201 g/100mL



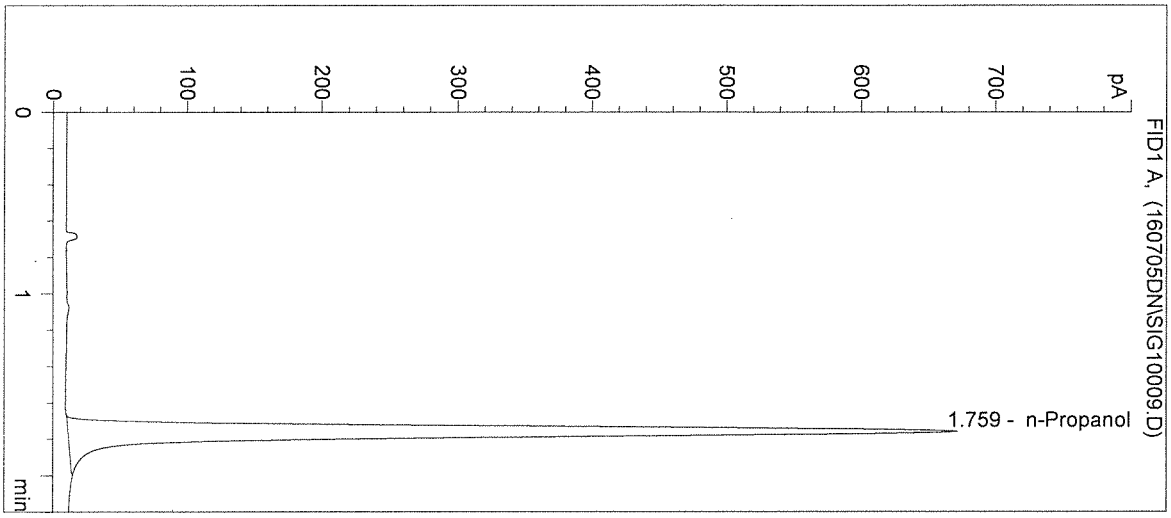
n-Propanol 0.012 g/100mL

DN

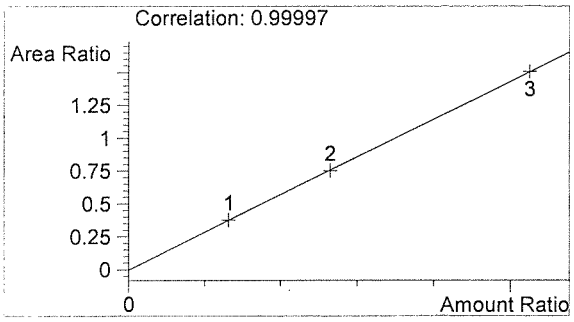
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/5/2016 2:38:59 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16021

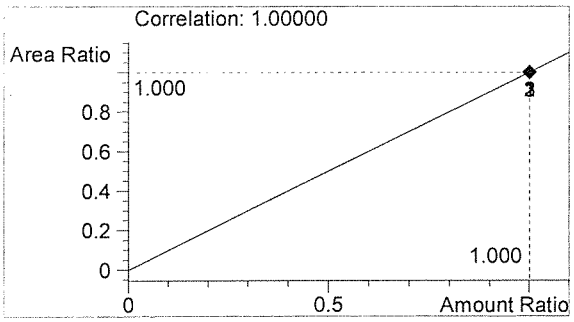
Sample Name: NEG CTRL
Operator: David Nguyen
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2722	1.759



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

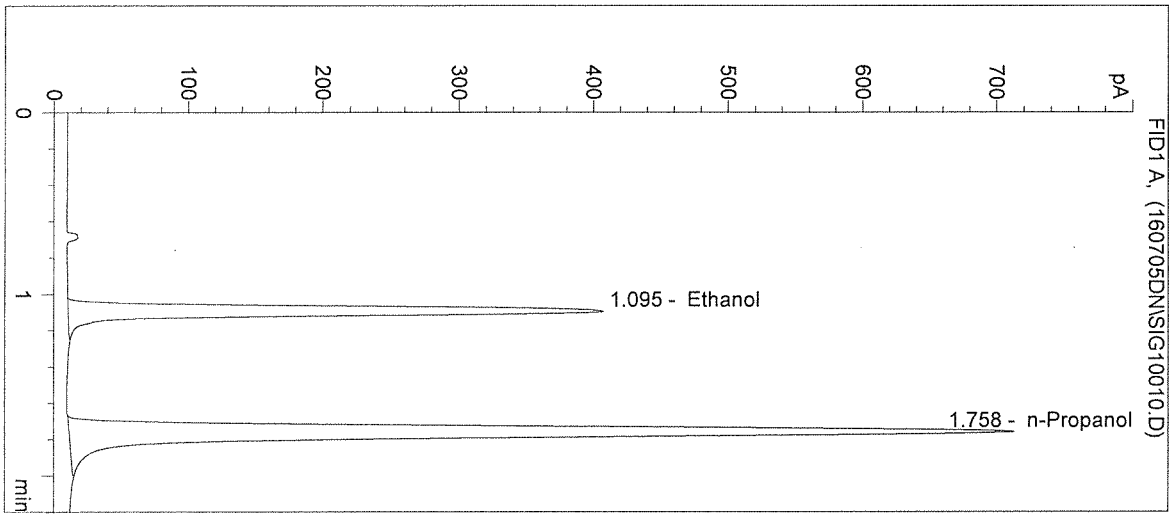
fr

DN

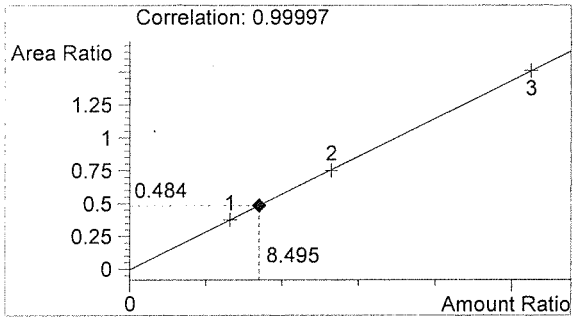
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/5/2016 2:42:12 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

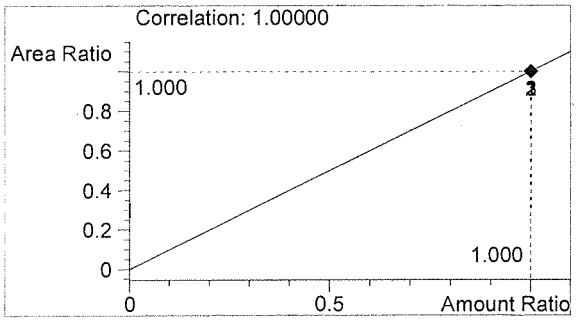
Sample Name: 16021 #1
Operator: David Nguyen
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	1403	1.095
2	n-Propanol	2898	1.758



Ethanol 0.102 g/100mL



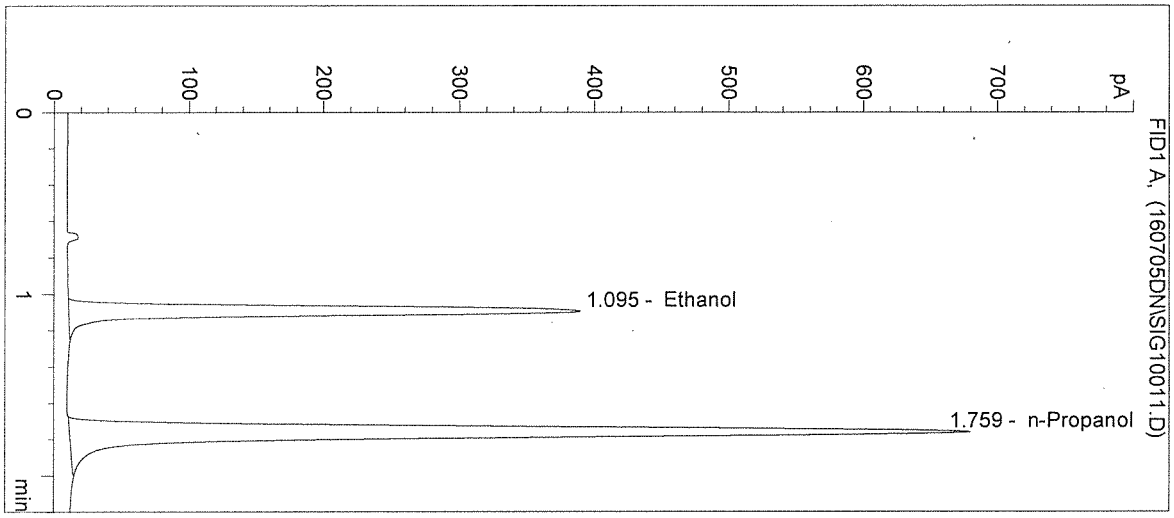
n-Propanol 0.012 g/100mL

DN

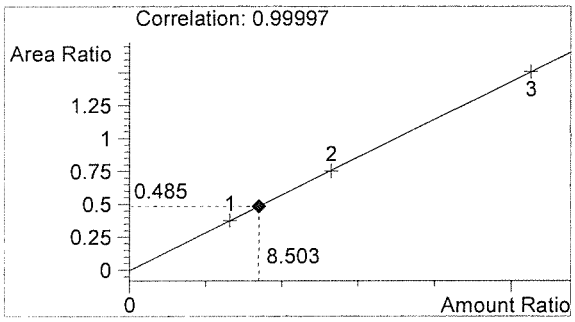
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/5/2016 2:45:25 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

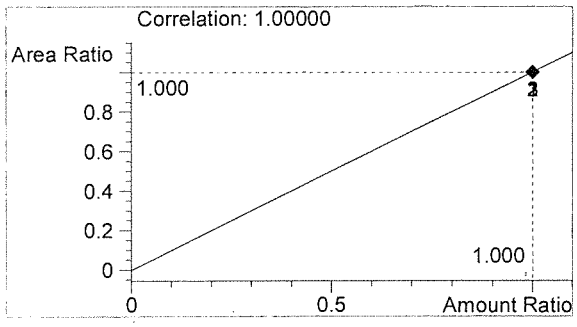
Sample Name: 16021 #2
Operator: David Nguyen
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	1337	1.095
2	n-Propanol	2759	1.759



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

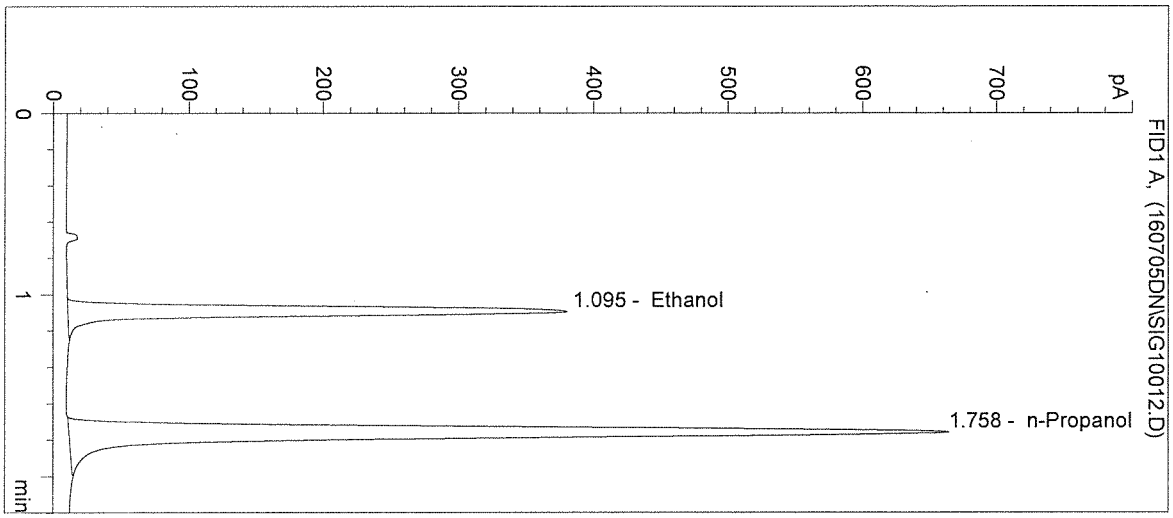
fr

DN

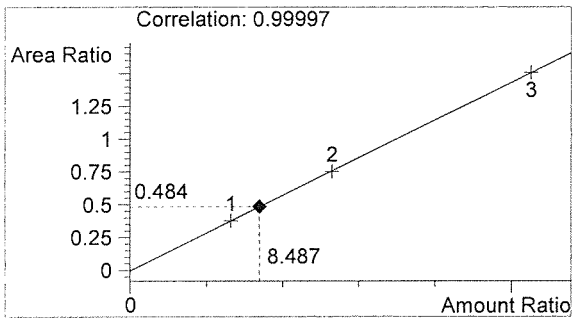
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/5/2016 2:48:38 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

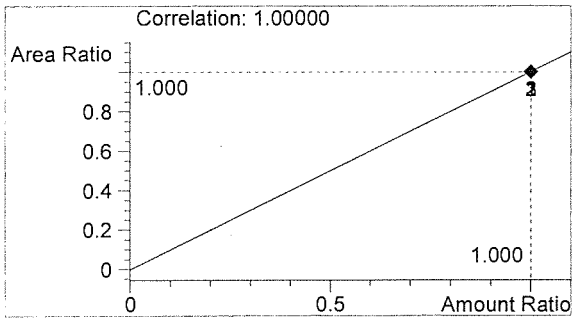
Sample Name: 16021 #3
Operator: David Nguyen
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	1302	1.095
2	n-Propanol	2692	1.758



Ethanol 0.102 g/100mL

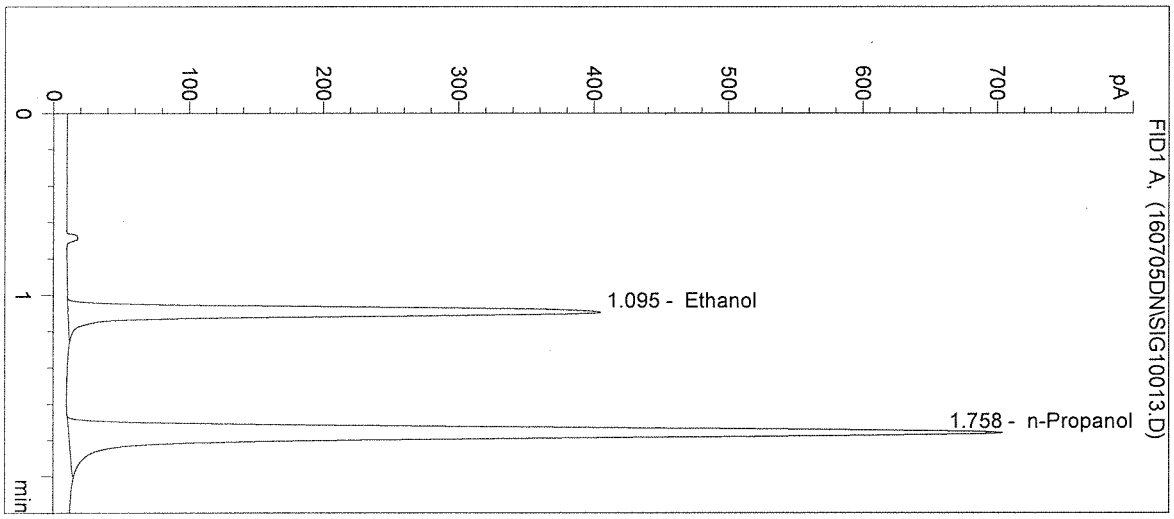


n-Propanol 0.012 g/100mL

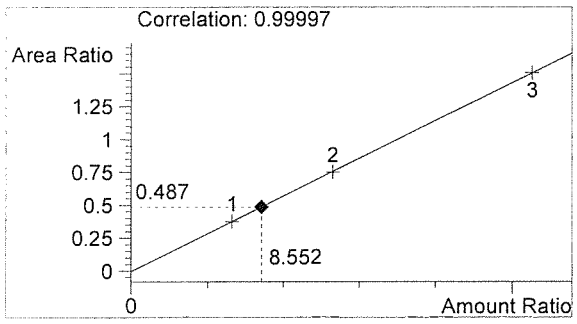
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/5/2016 2:51:52 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

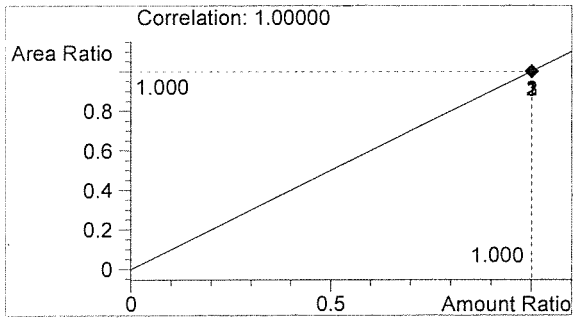
Sample Name: 16021 #4
Operator: David Nguyen
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	1391	1.095
2	n-Propanol	2853	1.758



Ethanol 0.103 g/100mL



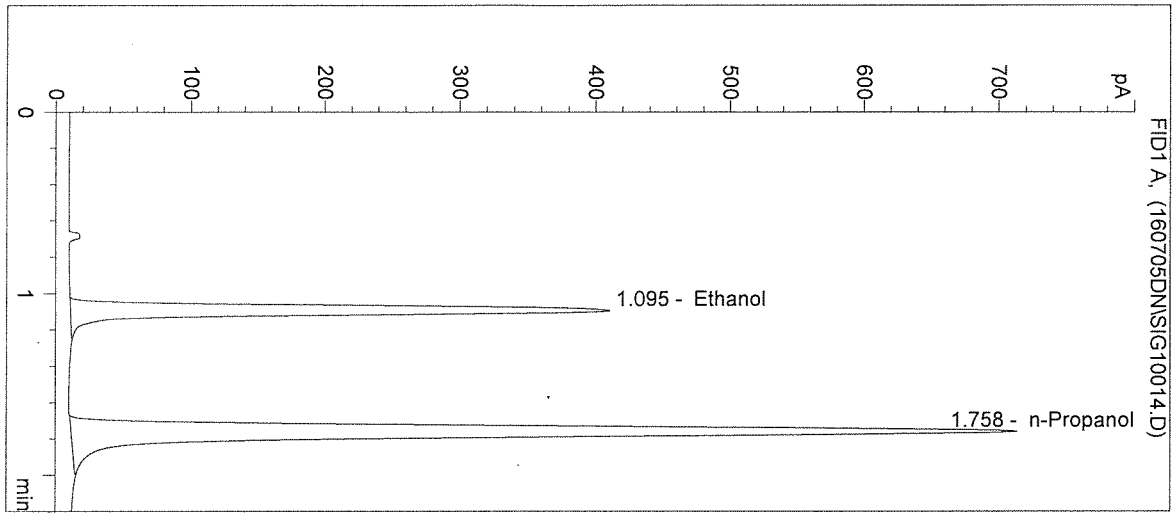
n-Propanol 0.012 g/100mL

DN

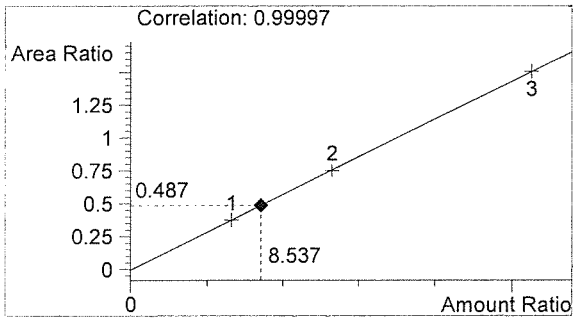
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/5/2016 2:55:05 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

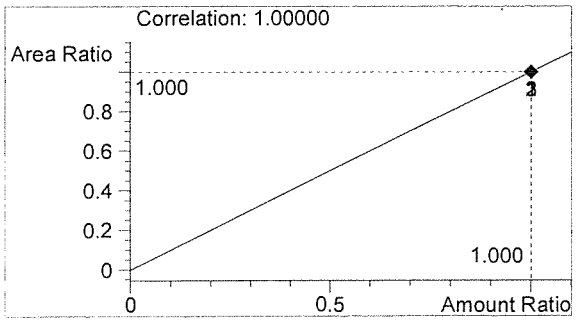
Sample Name: 16021 #5
Operator: David Nguyen
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	1407	1.095
2	n-Propanol	2892	1.758



Ethanol 0.102 g/100mL

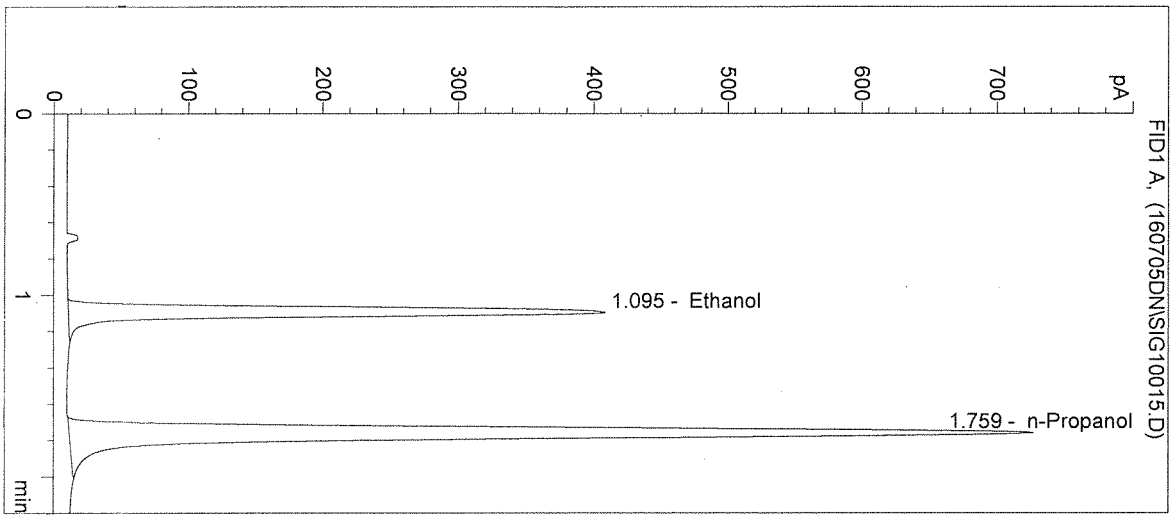


n-Propanol 0.012 g/100mL

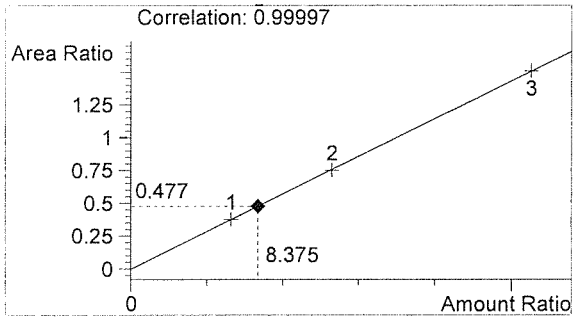
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/5/2016 2:58:19 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: POS Control: 0.10 g/100mL
16021

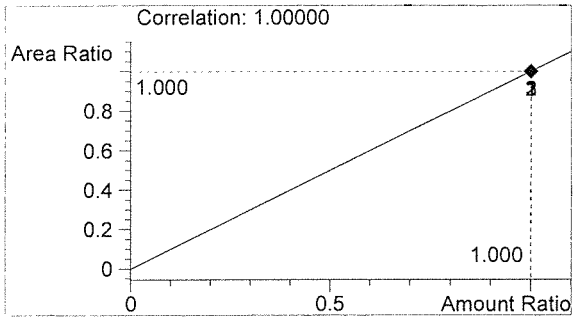
Sample Name: POS CTRL (0.10)
Operator: David Nguyen
Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	1415	1.095
2	n-Propanol	2965	1.759



Ethanol 0.100 g/100mL

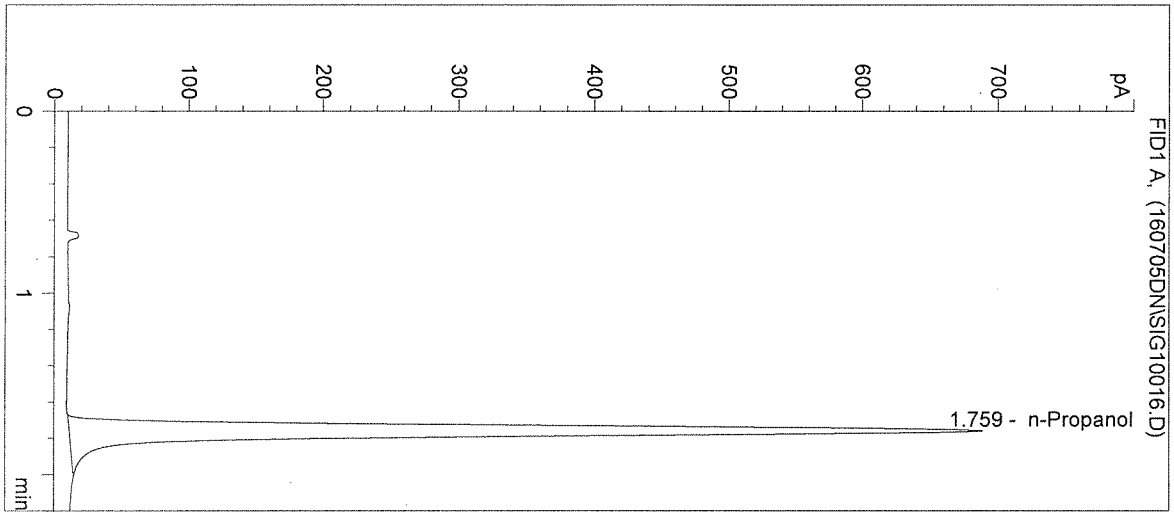


n-Propanol 0.012 g/100mL

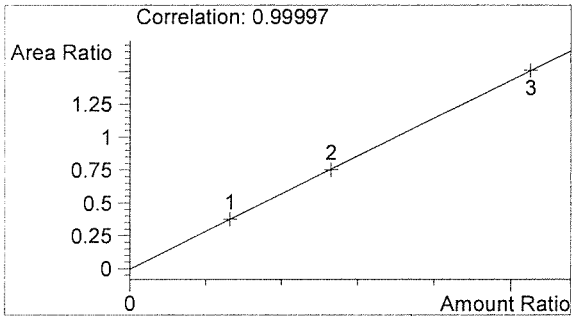
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/5/2016 3:01:31 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16021

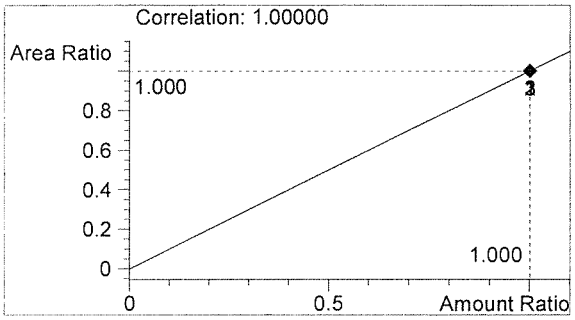
Sample Name: NEG CTRL
Operator: David Nguyen
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2796	1.759



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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

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:	160725AG
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E0416-01 - Exp. 10/01/2016
Ethanol Calibrator 2, E0416-02 - Exp. 10/01/2016
Ethanol Calibrator 3, E0416-03 - Exp. 10/01/2016

CTRL1 (0.04g/100mL), Lot # FN05011301 - Exp. 05/2018
CTRL2 (0.10g/100mL), Lot # FN08051301 - Exp. 10/2018
CTRL3 (0.20g/100mL), Lot # FN03211401 - Exp. 06/2019

Internal Standard Lot#P0516 - Exp. 08/31/2016

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	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	16021 #1	SIMALC1	1	Sample		
11	Vial 11	16021 #2	SIMALC1	1	Sample		
12	Vial 12	16021 #3	SIMALC1	1	Sample		
13	Vial 13	16021 #4	SIMALC1	1	Sample		
14	Vial 14	16021 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 Ctrl	SIMALC1	1	Ctrl Samp		
16	Vial 16	Negative	SIMALC1	1	Ctrl Samp		

16021
Fu 7/26/16

Calibration Part:

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

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

Sequence Table (Back Injector):

No entries - empty table!

16021
fh 7/26/16

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

Calibration Table

Calib. Data Modified : Tuesday, July 26, 2016 11:54:25 AM

Calculate : Internal Standard
Based on : Peak Area

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

Curve Type : Linear
Origin : Included
Weight : Equal

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

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

Sample ISTD Information:

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

Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.091	1	1	7.91100e-2	1059.60107	7.46602e-5	1		Ethanol
		2	1.59090e-1	2127.37061	7.47825e-5			
		3	3.15200e-1	3926.10864	8.02831e-5			
1.754	1	1	1.20000e-2	2585.24292	4.64173e-6	I1		n-Propanol
		2	1.20000e-2	2577.36841	4.65591e-6			
		3	1.20000e-2	2363.30298	5.07764e-6			

16021
7/26/16

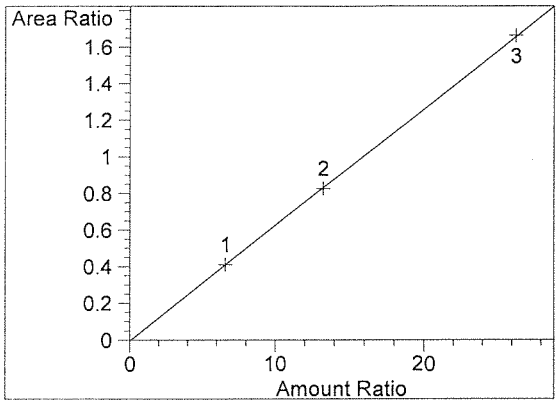
Peak Sum Table

No Entries in table

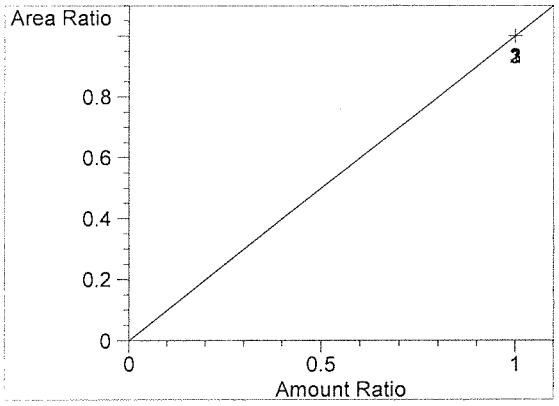
==========

Calibration Curves

==========



Ethanol at exp. RT: 1.091
FID1 A,
Correlation: 0.99996
Residual Std. Dev.: 0.00773
Formula: y = mx + b
m: 6.32795e-2
b: -5.42236e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.754
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

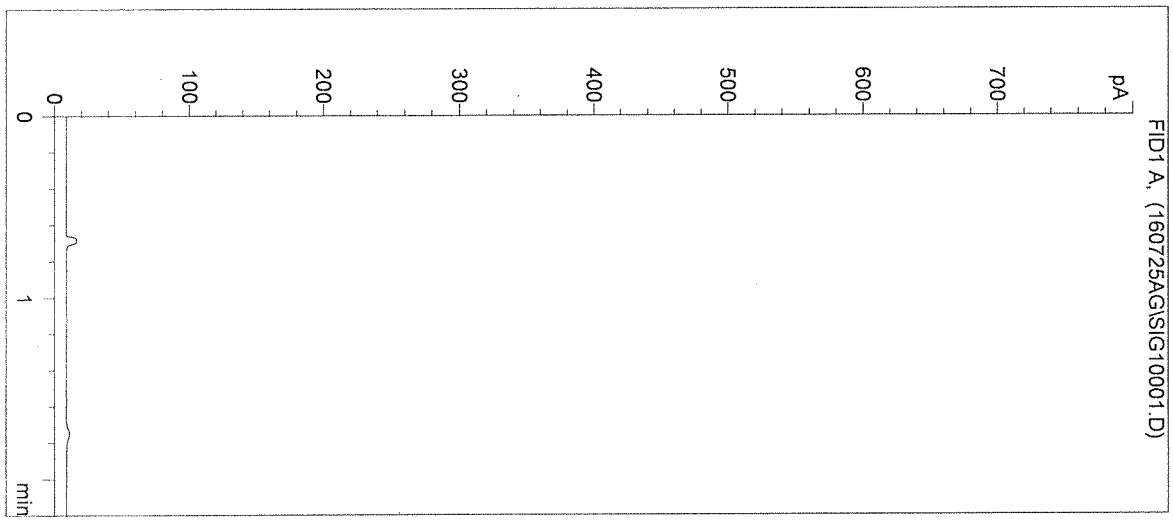
==========

16021
7/26/16

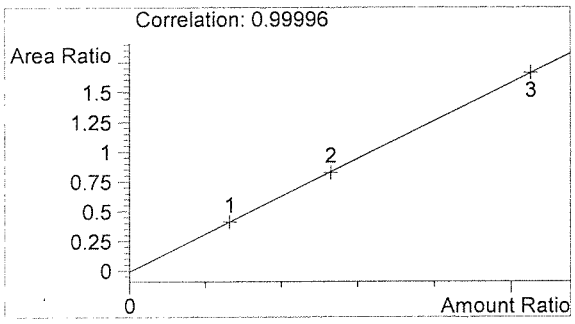
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/26/2016 11:42:19 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

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

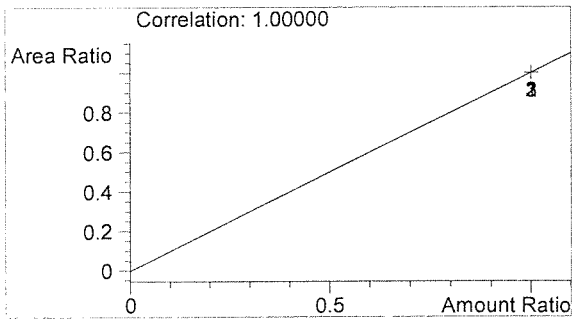


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	0	0.000



Ethanol 0.000 g/100mL

- 16021
fn 8/15/16

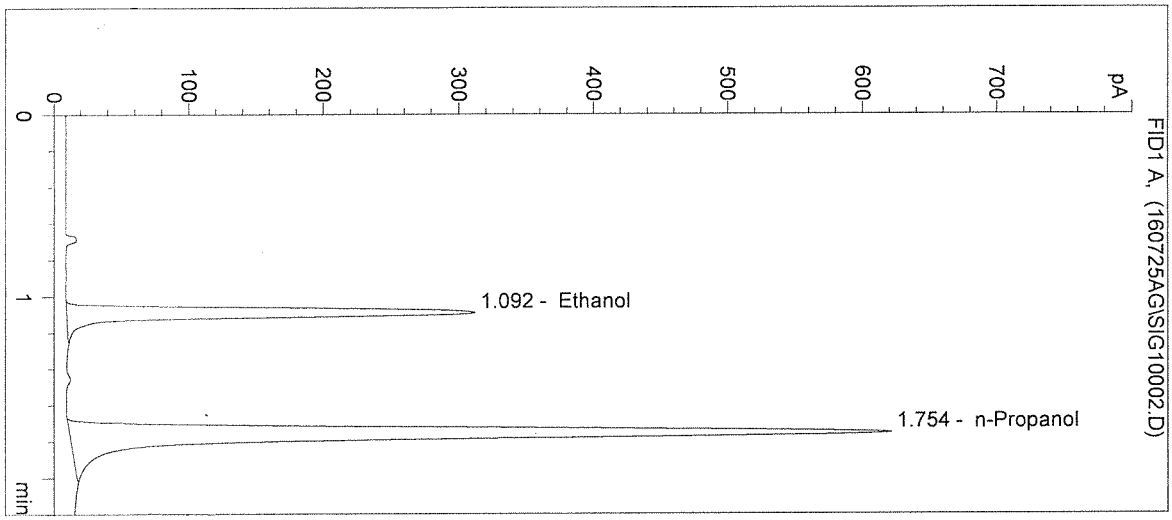


n-Propanol 0.000 g/100mL

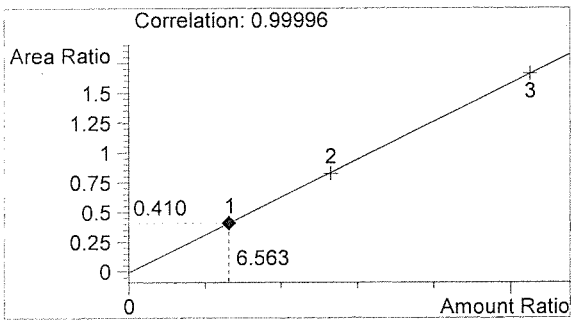
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/26/2016 11:45:37 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

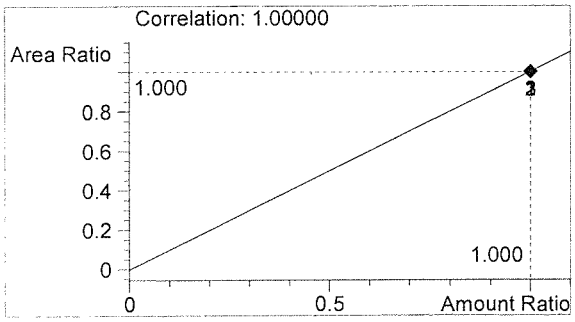
Sample Name: 0.079 CAL 1
Operator: Andrew Gingras
Location: Vial 2



#	Compound	Peak Area	RT (min)
1	Ethanol	1060	1.092
2	n-Propanol	2585	1.754



Ethanol 0.079 g/100mL



n-Propanol 0.012 g/100mL

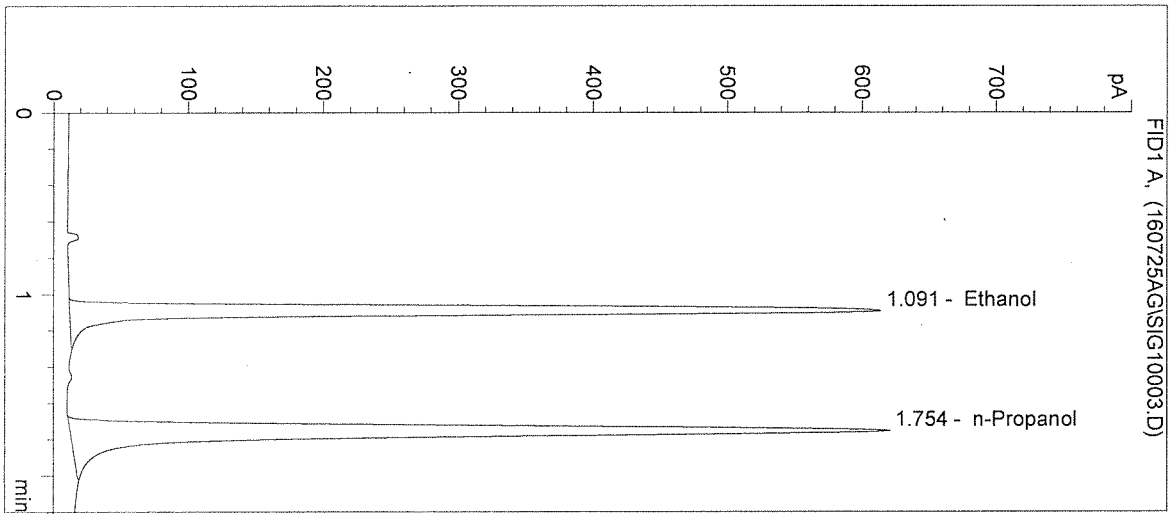
16021
8/15/16

Data File: C:\HPCHEM\1\DATA\160725AG\SIG10002.D

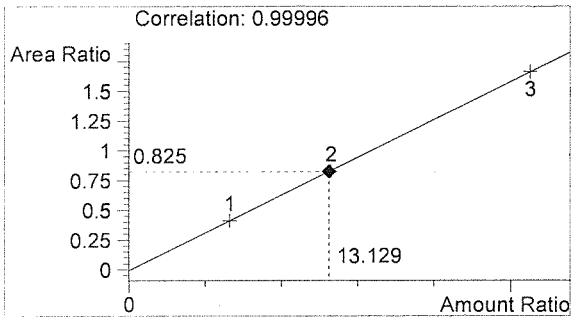
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/26/2016 11:48:54 AM
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



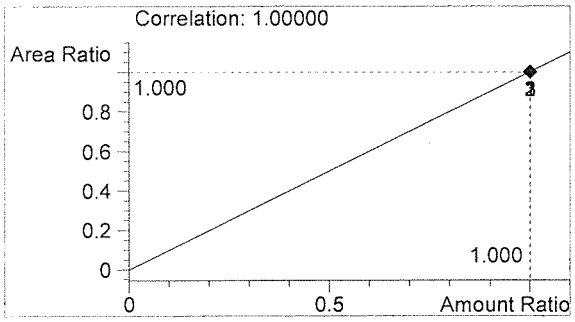
#	Compound	Peak Area	RT (min)
1	Ethanol	2127	1.091
2	n-Propanol	2577	1.754



Ethanol 0.158 g/100mL

16021

8/15/16

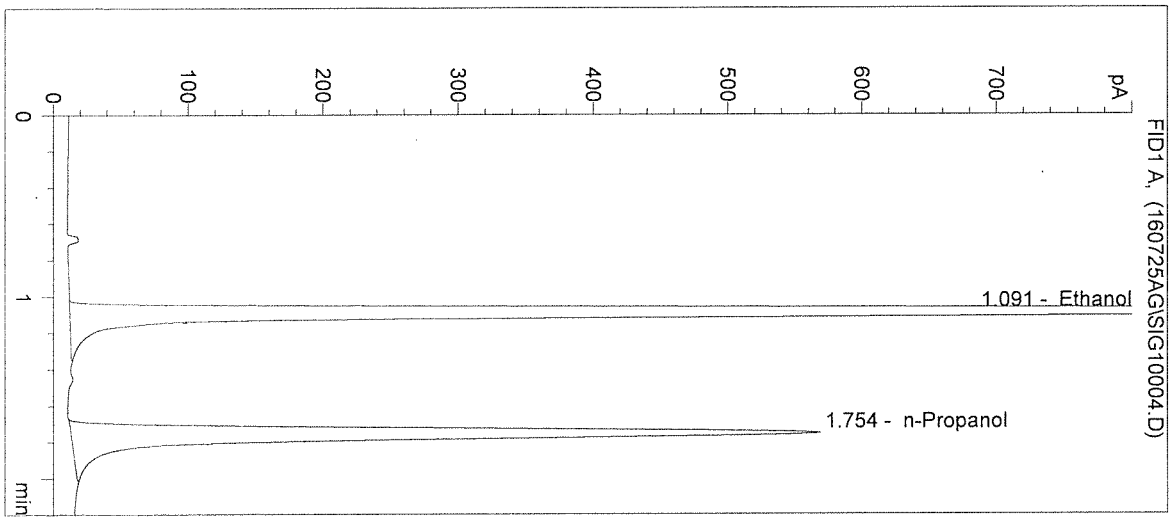


n-Propanol 0.012 g/100mL

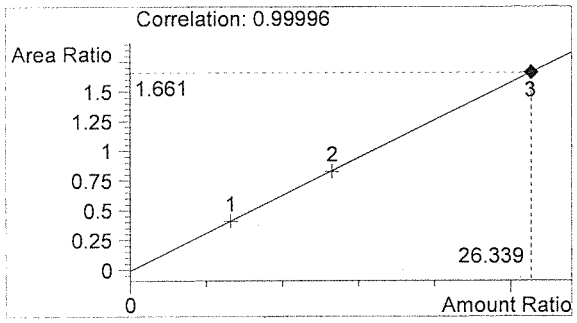
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/26/2016 11:52:12 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

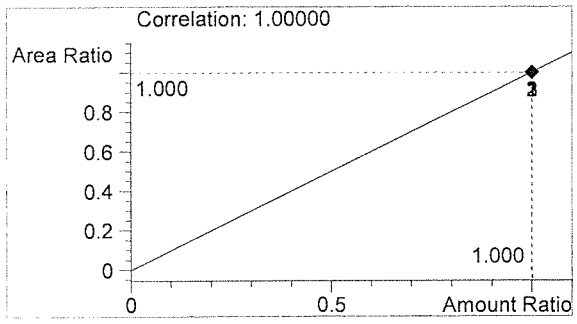
Sample Name: 0.316 CAL 3
Operator: Andrew Gingras
Location: Vial 4



#	Compound	Peak Area	RT (min)
1	Ethanol	3926	1.091
2	n-Propanol	2363	1.754



Ethanol 0.316 g/100mL



n-Propanol 0.012 g/100mL

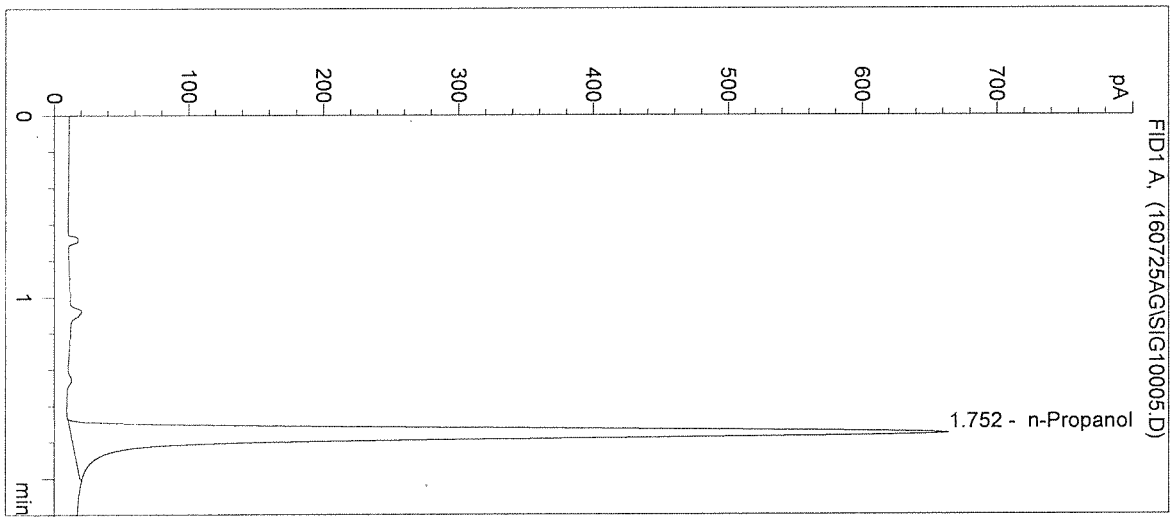
16021

8/15/16

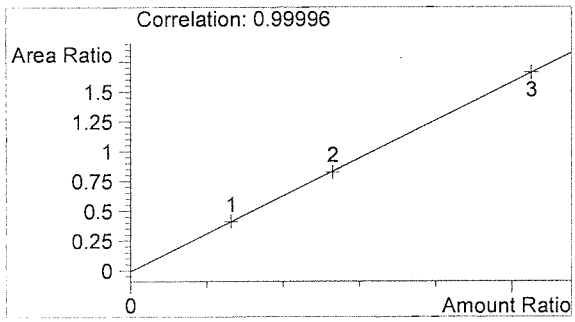
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/26/2016 11:55:24 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

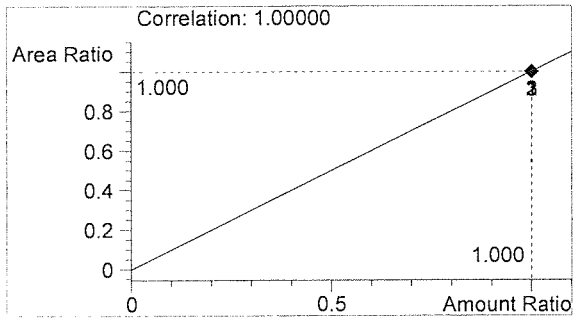
Sample Name: Negative
Operator: Andrew Gingras
Location: Vial 5



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2716	1.752



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

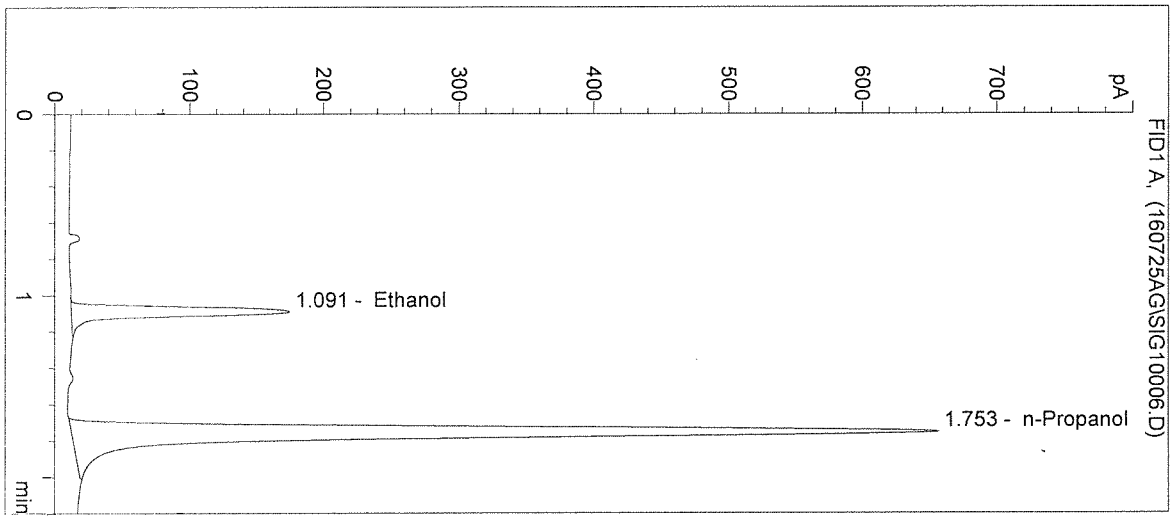
16021

Data File: C:\HPCHEM\1\DATA\160725AG\SIG10005.D

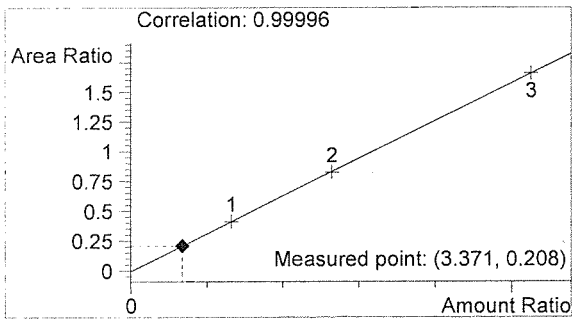
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/26/2016 11:58:38 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

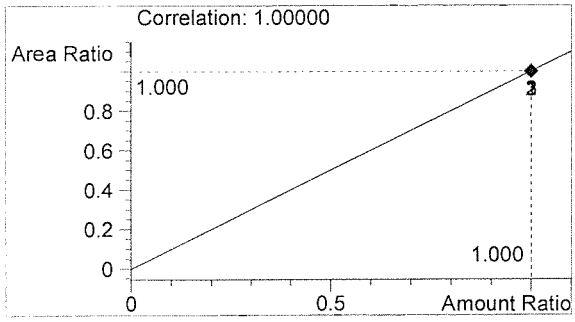
Sample Name: 0.04 Ctrl
Operator: Andrew Gingras
Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	561	1.091
2	n-Propanol	2697	1.753



Ethanol 0.040 g/100mL



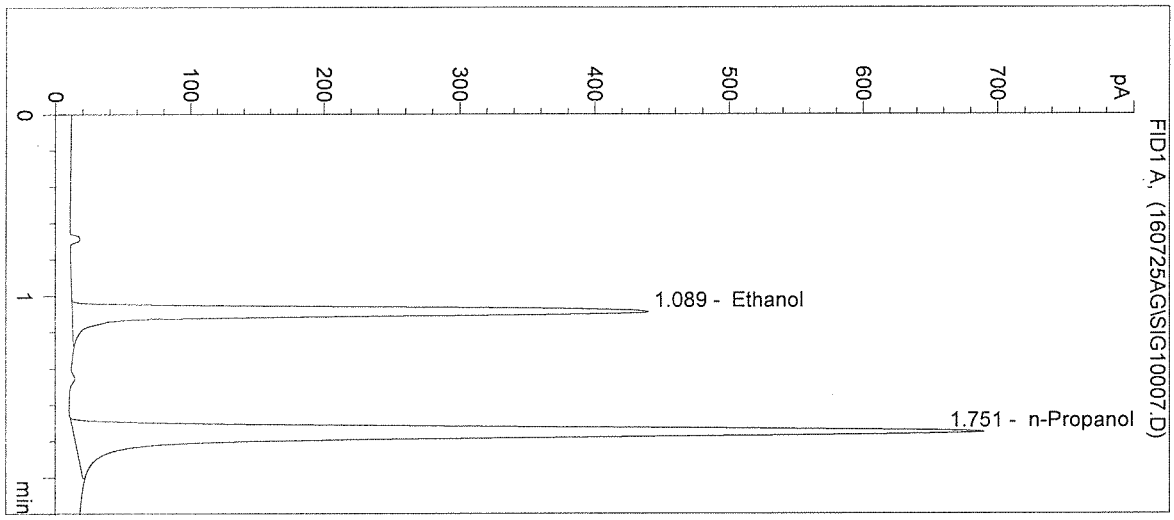
n-Propanol 0.012 g/100mL

16021
8/15/16

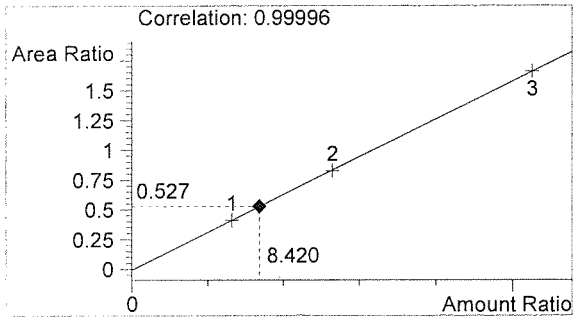
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/26/2016 12:01:51 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

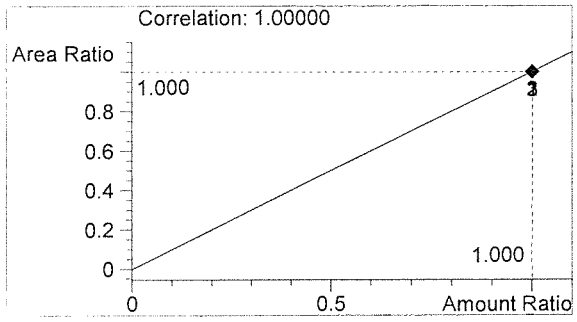
Sample Name: 0.10 Ctrl
Operator: Andrew Gingras
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	1479	1.089
2	n-Propanol	2804	1.751



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

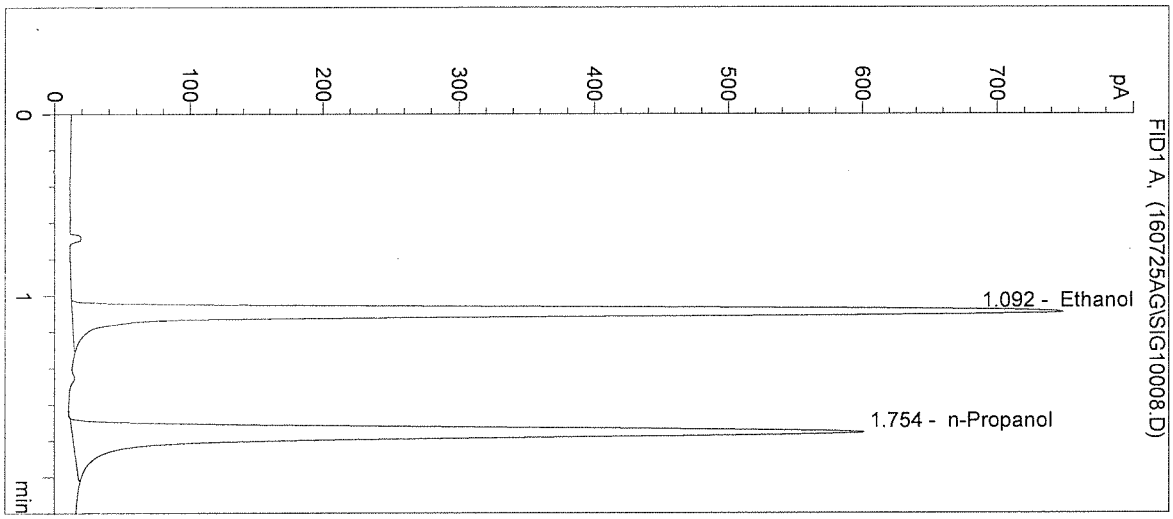
16021
8/15/16

Data File: C:\HPCHEM\1\DATA\160725AG\SIG10007.D

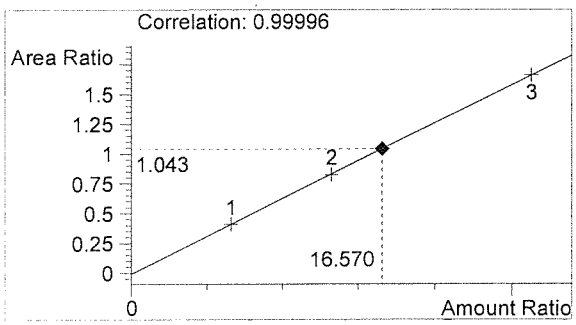
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/26/2016 12:05:04 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

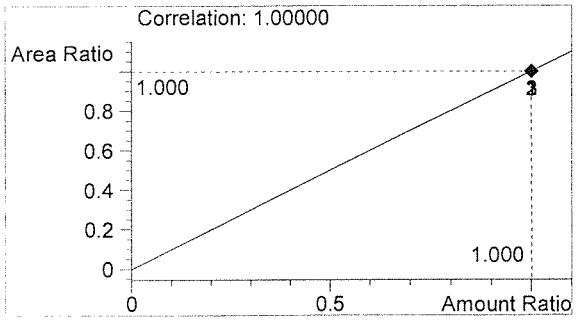
Sample Name: 0.20 Ctrl
Operator: Andrew Gingras
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	2609	1.092
2	n-Propanol	2501	1.754



Ethanol 0.199 g/100mL



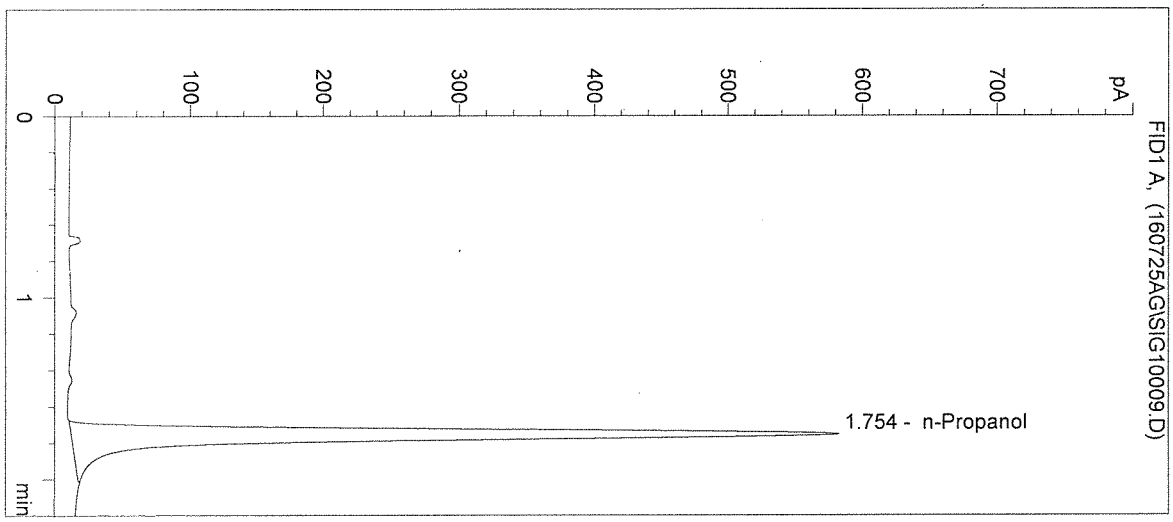
n-Propanol 0.012 g/100mL

16021
8/15/16

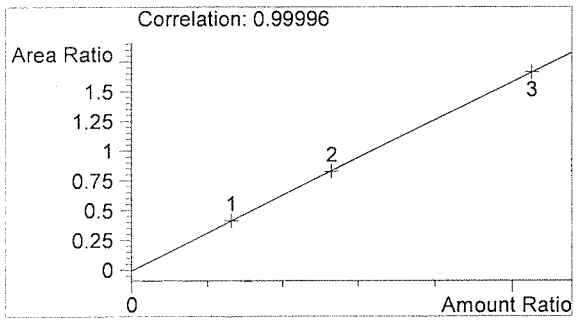
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/26/2016 12:08:18 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

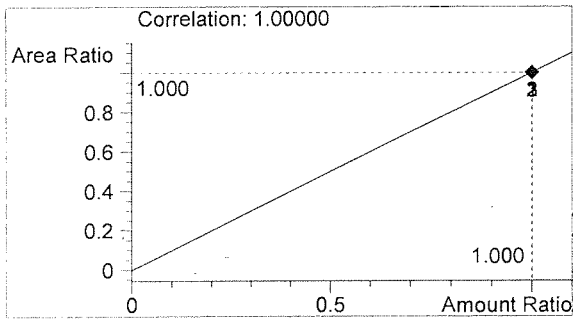
Sample Name: Negative
Operator: Andrew Gingras
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2424	1.754



Ethanol 0.000 g/100mL



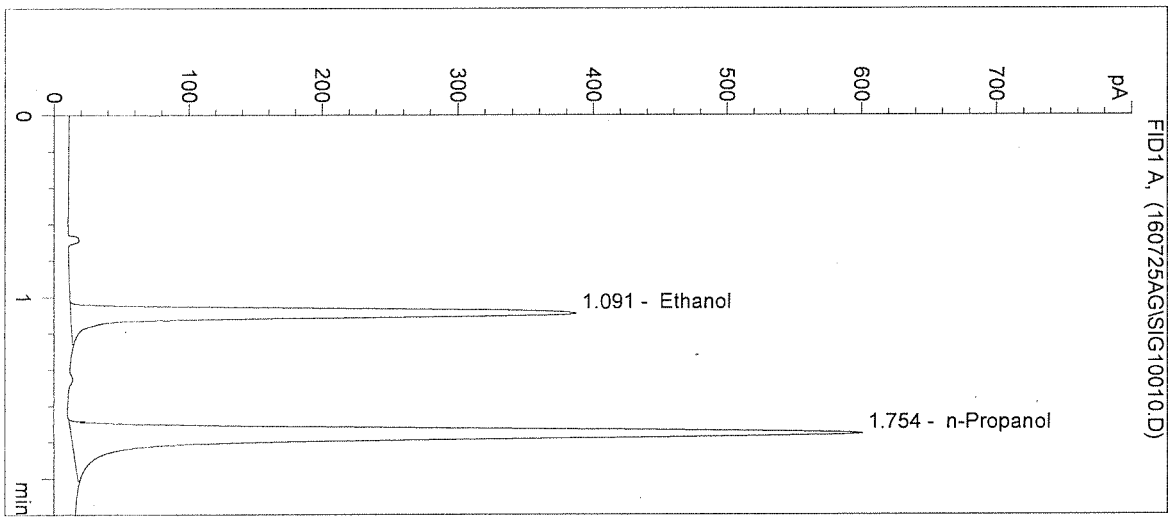
n-Propanol 0.012 g/100mL

16021
8/15/16

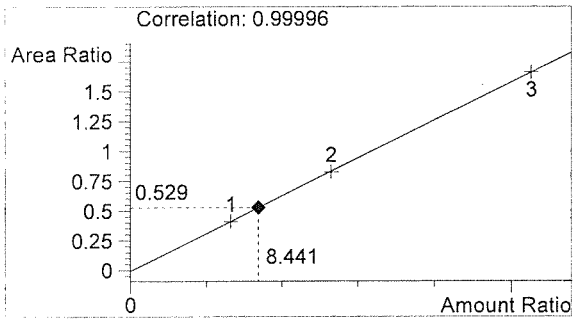
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/26/2016 12:11:31 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

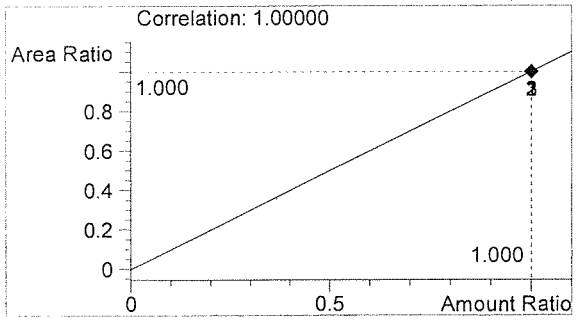
Sample Name: 16021 #1
Operator: Andrew Gingras
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	1314	1.091
2	n-Propanol	2486	1.754



Ethanol 0.101 g/100mL

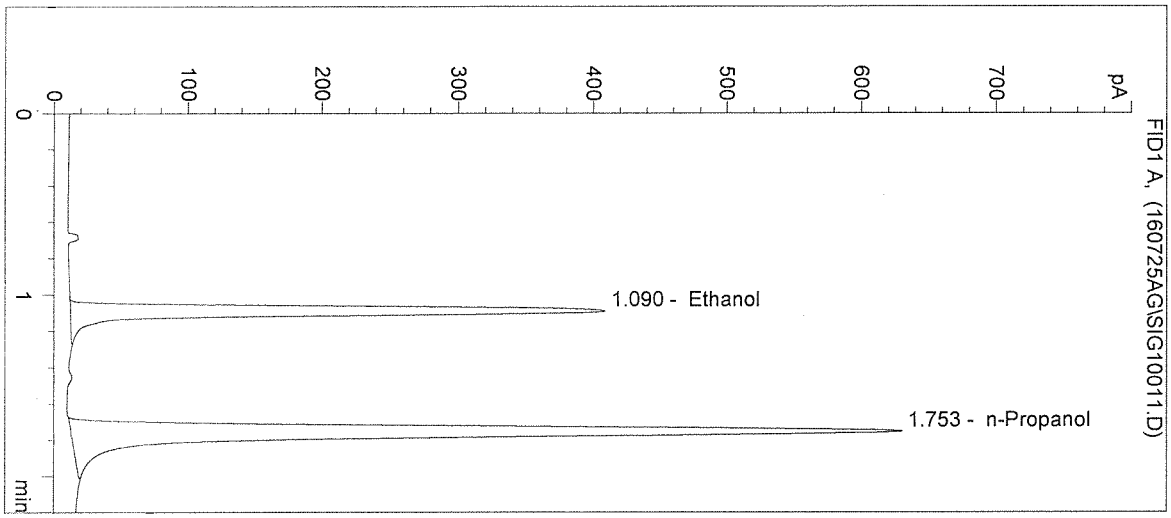


n-Propanol 0.012 g/100mL

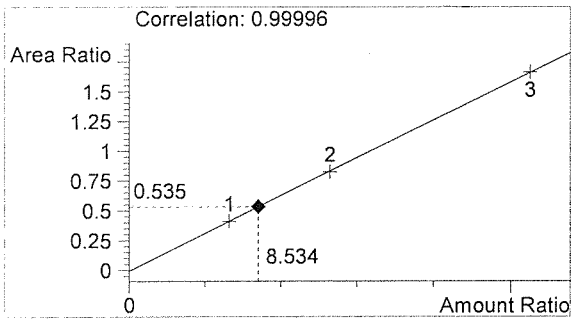
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/26/2016 12:14:44 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

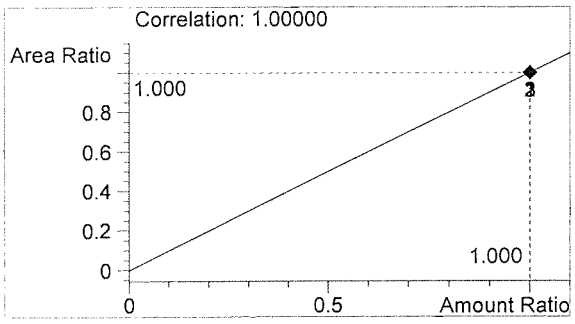
Sample Name: 16021 #2
Operator: Andrew Gingras
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	1385	1.090
2	n-Propanol	2591	1.753



Ethanol 0.102 g/100mL

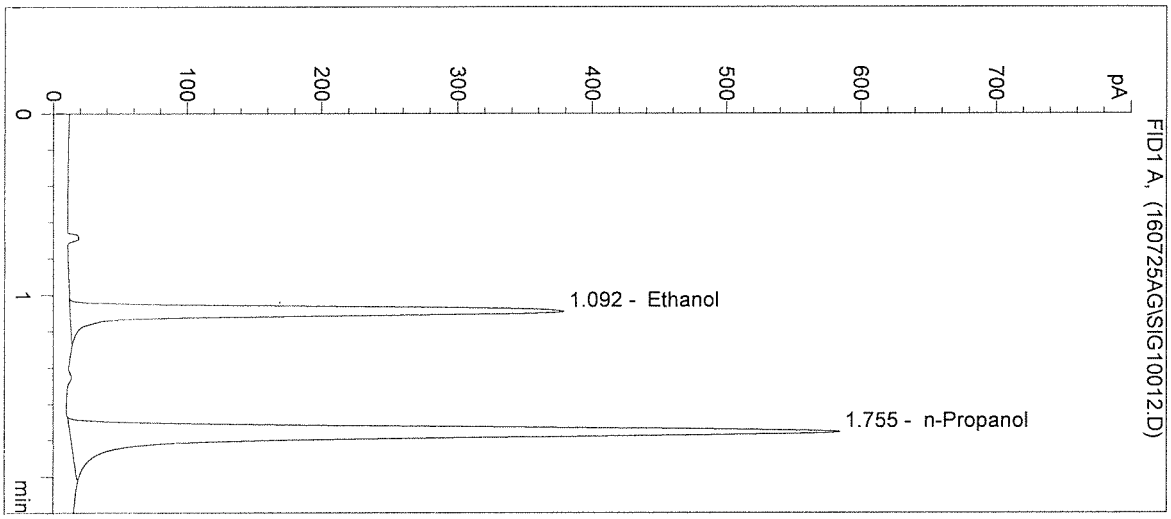


n-Propanol 0.012 g/100mL

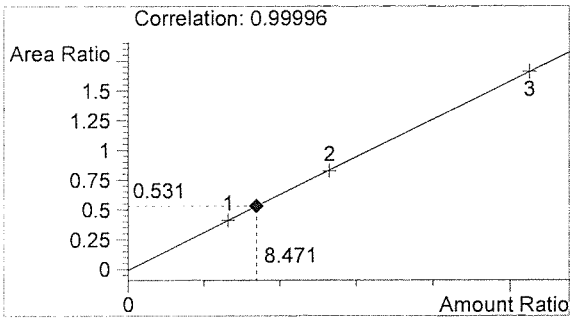
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/26/2016 12:17:58 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

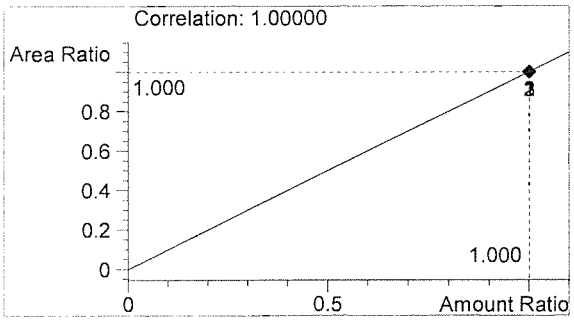
Sample Name: 16021 #3
Operator: Andrew Gingras
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	1290	1.092
2	n-Propanol	2431	1.755



Ethanol 0.102 g/100mL

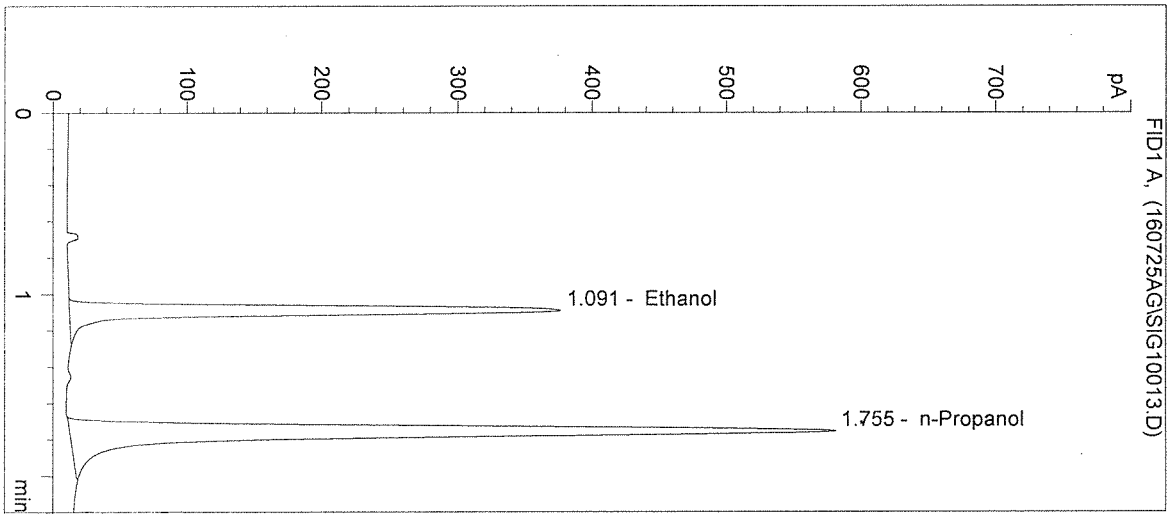


n-Propanol 0.012 g/100mL

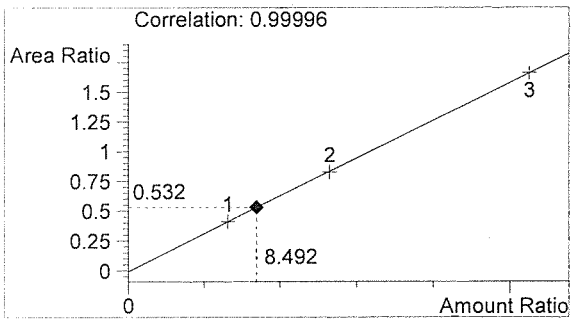
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/26/2016 12:21:11 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

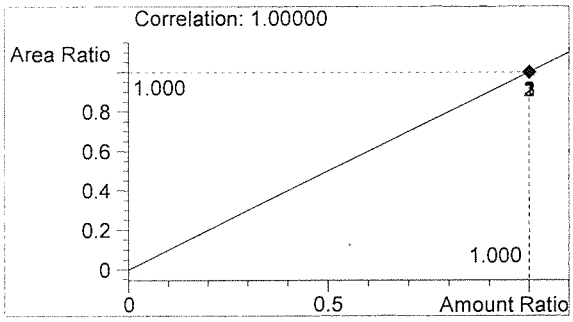
Sample Name: 16021 #4
Operator: Andrew Gingras
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	1287	1.091
2	n-Propanol	2419	1.755



Ethanol 0.102 g/100mL

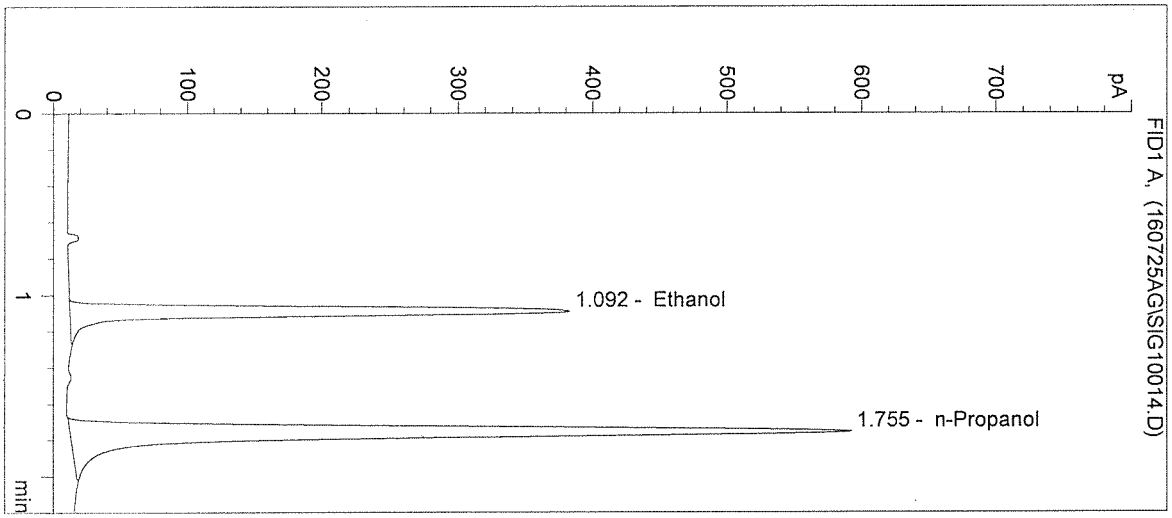


n-Propanol 0.012 g/100mL

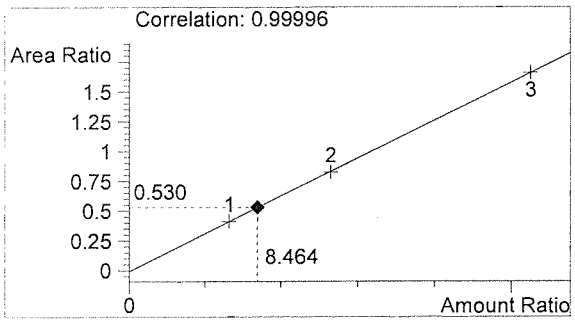
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/26/2016 12:24:25 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

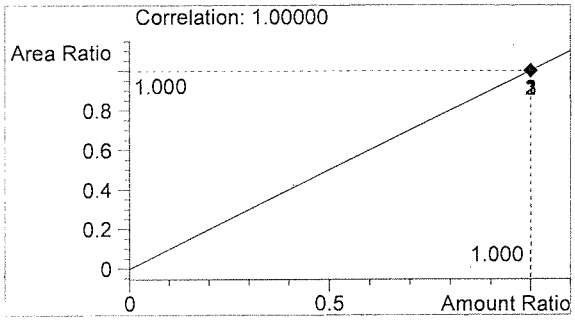
Sample Name: 16021 #5
Operator: Andrew Gingras
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	1309	1.092
2	n-Propanol	2469	1.755



Ethanol 0.102 g/100mL

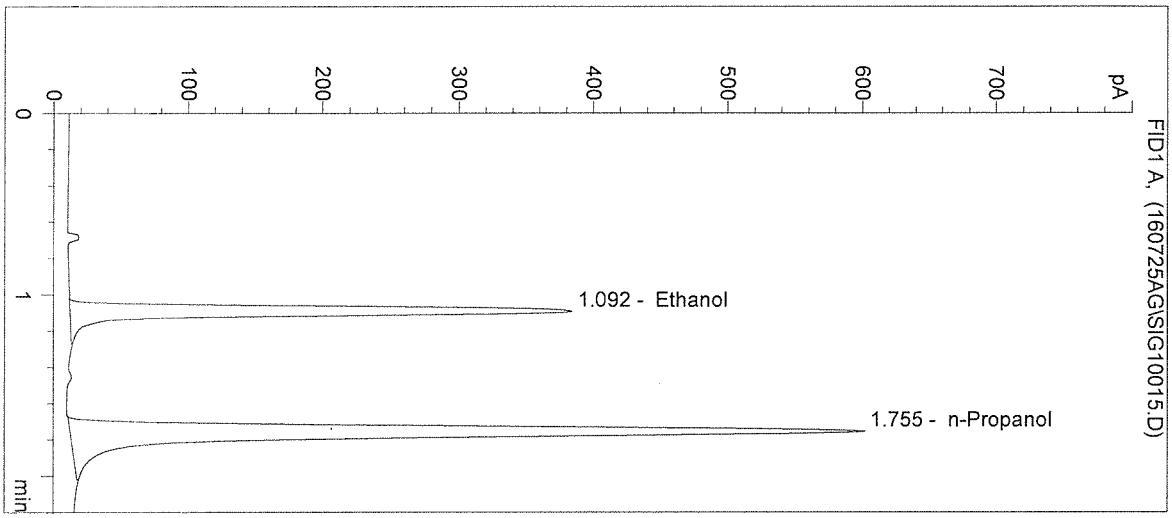


n-Propanol 0.012 g/100mL

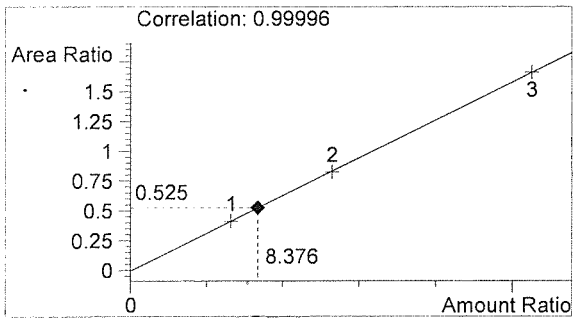
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/26/2016 12:27:38 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

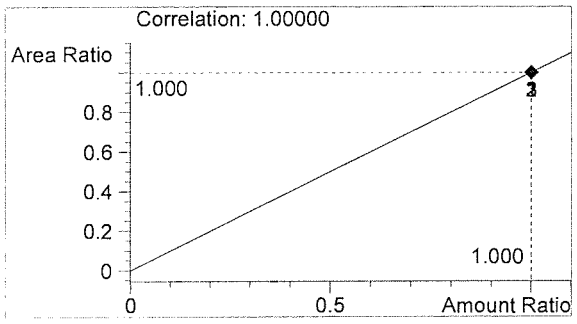
Sample Name: 0.10 Ctrl
Operator: Andrew Gingras
Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	1322	1.092
2	n-Propanol	2520	1.755



Ethanol 0.101 g/100mL



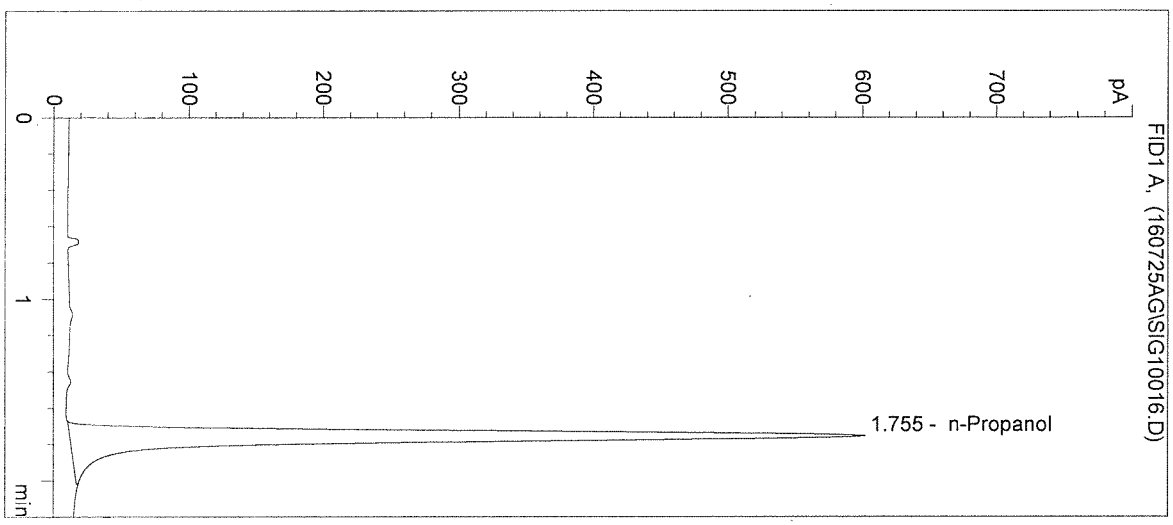
n-Propanol 0.012 g/100mL

16021
8/15/16

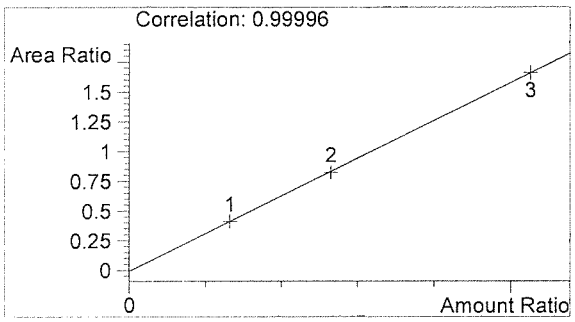
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/26/2016 12:30:52 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

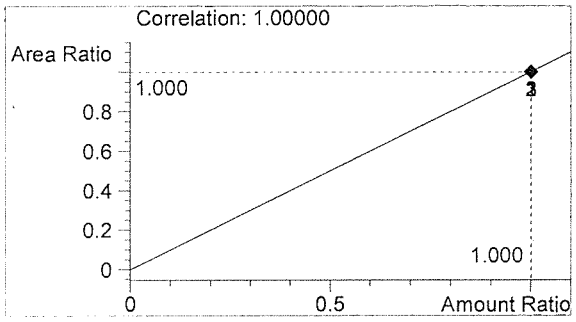
Sample Name: Negative
Operator: Andrew Gingras
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2525	1.755



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

16021
8/15/16