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

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

EXTERNAL STANDARD SOLUTION TEST REPORT

BATCH REPORT: 16011

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: 04/06/2016
BATCH UNITS: g/100mL

IDENTITY: External Standard Solution
PREPARED BY: Katie Harris

	KH	LK	CM	JLK	EW	AJL	CSJ	RF
1	0.099	0.102	0.101	0.101	0.102	0.100	0.101	0.101
2	0.099	0.102	0.102	0.101	0.102	0.101	0.101	0.101
3	0.099	0.102	0.102	0.102	0.102	0.101	0.101	0.101
4	0.099	0.101	0.102	0.101	0.101	0.101	0.101	0.101
5	0.099	0.102	0.101	0.102	0.101	0.101	0.101	0.101
C	0.098	0.101	0.100	0.100	0.100	0.099	0.100	0.101

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

RESULTS OF TESTING
AVERAGE SOLUTION CONCENTRATION: 0.1010 g/100mL
STANDARD DEVIATION: 0.00092
PRECISION CV (%): 0.91
NUMBER OF TESTS: 40

EQUIVALENT VAPOR CONCENTRATION: **0.0821 g/210L**
EXPANDED UNCERTAINTY: ± 0.0028 (k=2, 95.45% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

Lisa Noble — Forensic Scientist Supervisor — 5/9/16 DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
KH	Katie Harris	Katie Harris	04/06/2016
LK	Lyndsey Knoy	Lyndsey Knoy	04/08/2016
CM	Christie Mitchell-Mata	Christie Mitchell-Mata	04/11/2016
JLK	Justin L. Knoy	Justin Knoy	04/11/2016
EW	Elizabeth Wehner	Elizabeth Wehner	04/12/2016
AJL	Asa J. Louis	[illegible]	04/13/2016
CSJ	Christopher S. Johnston	Chris Johnston	04/14/2016
RF	Rebecca Flaherty	[illegible]	04/21/2016

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 #: 16011 **Date Prepared:** 4/6/2016

Analyst:	KH	LK	CM	JLK	EW	AJL	CSJ	RF
Date Tested:	4/6/2016	4/8/2016	4/11/2016	4/11/2016	4/12/2016	4/13/2016	4/14/2016	4/21/2016
Instrument:	HSGC #1	HSGC #1	HSGC #1	HSGC #1	HSGC #1	HSGC #1	HSGC #1	HSGC #1
1	0.099	0.102	0.101	0.101	0.102	0.100	0.101	0.101
2	0.099	0.102	0.102	0.101	0.102	0.101	0.101	0.101
3	0.099	0.102	0.102	0.102	0.102	0.101	0.101	0.101
4	0.099	0.101	0.102	0.101	0.101	0.101	0.101	0.101
5	0.099	0.102	0.101	0.102	0.101	0.101	0.101	0.101
C	0.098	0.101	0.100	0.100	0.100	0.099	0.100	0.101

CV^2_{COA}	$CV^2_{Ext\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000828443	0.0000984603	0.0001016326

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

Average Solution Concentration: 0.1010 g/100mL
Standard Deviation: 0.00092 g/100mL
Precision CV (%): 0.91
Equivalent Vapor Concentration: 0.0821 g/210L
Combined Standard Uncertainty (±): 0.0014 g/210L
Expanded Uncertainty (±): 0.0028 coverage factor (k) =2 (95.45% level of confidence)

Calculations performed by: Lisa Noble (Name) Lnoble (Signature) 4/26/16 (Date)

Calculations verified by: Amanda M. Black (Name) [signature] (Signature) 5-9-2016 (Date)

Method: Hand calculation

Technical review of batch file performed by:

Lisa Noble (Name) Lnoble (Signature) 4/26/16 (Date)

Washington State Patrol Toxicology Laboratory Division

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda M. Black Date: 5-9-2016

Location: WSP-FLSB Seattle, WA Solution Batch Number: 16011

	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: 5-9-2016

Washington State Patrol Toxicology Laboratory Division

SOLUTION CERTIFICATE REVIEW

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

Please initial and date below to affirm that you have:

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

	Initials	Date
Amanda Chandler		
Andrew Gingras		
Asa Louis	AL	2016 04 27
Brittany Thomas		
Christie Mitchell-Mata	CM	4/27/16
Christopher Johnston	CJ	4.26.16.
David Nguyen		
Dawn Sklerov	[illegible]	
Elizabeth Wehner	EW	04/27/16
Justin Knoy	JK	4.26-16
Katie Harris	KH	4/27/16
Lyndsey Lowe (Knoy)	LL	11.26.16
Naziha Nuwayhid		
Rebecca Flaherty	RF	4.26.16

Batch # 16011 fn 4/26/16

JAY INSLEE
Governor

JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
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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 16011

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

The external standard solution (ESS), Lot Number 16011, was prepared in the Washington State Toxicology Laboratory on 4/6/2016. 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 4/6/2017.

Seattle, WA

Katie Harris 4/27/16

Katie Harris Date

Forensic Scientist

JAY INSLEE
Governor

JOHN R. BATISTE
Chief

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0.08 g/210 L EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 16011

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 16011, was prepared in the Washington State Toxicology Laboratory on 4/6/2016. 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 4/6/2017.

Seattle, WA

Lyndsey Knoy 4·26·16

Lyndsey Knoy Date
Forensic Scientist

JAY INSLEE
Governor

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0.08 g/210 L EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 16011

I, Christie Mitchell-Mata, 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: BA degree in Chemistry, MFS degree in Forensic Science, and over four years experience in forensic toxicology.

The external standard solution (ESS), Lot Number 16011, was prepared in the Washington State Toxicology Laboratory on 4/6/2016. 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 4/6/2017.

Seattle, WA

4/27/16

Christie Mitchell-Mata Date
Forensic Scientist

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Chief

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0.08 g/210 L EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 16011

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 16011, was prepared in the Washington State Toxicology Laboratory on 4/6/2016. 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 4/6/2017.

Seattle, WA

Justin L. Knoy 4-26-16

Justin L. Knoy — Date
Forensic Scientist

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Governor

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0.08 g/210 L EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 16011

I, Elizabeth Wehner, do certify under penalty of perjury that:

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

I possess the following qualifications: BS degree in Biochemistry.

The external standard solution (ESS), Lot Number 16011, was prepared in the Washington State Toxicology Laboratory on 4/6/2016. 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 4/6/2017.

Seattle, WA

Elizabeth Wehner 04/27/16

Elizabeth Wehner Date

Forensic Scientist

JAY INSLEE
Governor

JOHN R. BATISTE
Chief

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0.08 g/210 L EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 16011

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 16011, was prepared in the Washington State Toxicology Laboratory on 4/6/2016. 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 4/6/2017.

Seattle, WA

20160427

Asa J. Louis — Date

Forensic Scientist

JAY INSLEE
Governor

JOHN R. BATISTE
Chief

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0.08 g/210 L EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 16011

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

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

I possess the following qualifications: BS degree in Biochemistry.

The external standard solution (ESS), Lot Number 16011, was prepared in the Washington State Toxicology Laboratory on 4/6/2016. 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 4/6/2017.

Seattle, WA

4/26/2016

Christopher S. Johnston — Date

Forensic Scientist

JAY INSLEE
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0.08 g/210 L EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 16011

I, Rebecca Flaherty, 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 degrees in Biochemistry and Psychobiology and MS degree in Forensic Science.

The external standard solution (ESS), Lot Number 16011, was prepared in the Washington State Toxicology Laboratory on 4/6/2016. 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 4/6/2017.

Seattle, WA

04.26.2016

Rebecca Flaherty — 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: 4/6/16 Expiration Date: 4/6/17 Initials of Preparer: KH

Lot # of 200-proof Ethanol used in preparation: 2EA0437

Date the 200-proof Ethanol bottle was opened: 3/17/16

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	☑	16011

Stir bar is rotating ☑

Stirred for minimum 30 minutes; 2 hours for ESS ☑

Spigot purged ☑

Aliquot taken ☑

Batch labeled, packaged and sealed ☑ 4/6/16 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:

Katie Harris
Analyst Signature

4/6/16
Date

Sequence Parameters:

Operator:	Katie Harris
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:	160406KH
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#P0316 - Exp. 06/29/2016

Calibration vials 1-9 filed with 16011.

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	16011-1	SIMALC1	1	Sample		
11	Vial 11	16011-2	SIMALC1	1	Sample		
12	Vial 12	16011-3	SIMALC1	1	Sample		
13	Vial 13	16011-4	SIMALC1	1	Sample		
14	Vial 14	16011-5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp		

16011
fn 4/25/16

Sequence Table (Back Injector):

No entries - empty table!

KH

Sequence Parameters:

Operator:	Katie Harris
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:	160406KH
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#P0316 - Exp. 06/29/2016

Calibration vials 1-9 filed with 16011.

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	16011-1	SIMALC1	1	Sample		
11	Vial 11	16011-2	SIMALC1	1	Sample		
12	Vial 12	16011-3	SIMALC1	1	Sample		
13	Vial 13	16011-4	SIMALC1	1	Sample		
14	Vial 14	16011-5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp		

16011

fn 4/25/16
sequence reprinted with calibration part fn 4/25/16

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	

KH

Sequence Table (Back Injector):

No entries - empty table!

16011

fn 4/25/16

KH

Calibration Table

Calib. Data Modified : Wednesday, April 06, 2016 10:49:33 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	1012.41083	7.81402e-5	1		Ethanol
		2	1.59090e-1	2003.40015	7.94100e-5			
		3	3.15200e-1	3970.12720	7.93929e-5			
1.754	1	1	1.20000e-2	2638.24805	4.54847e-6	I1		n-Propanol
		2	1.20000e-2	2587.11011	4.63838e-6			
		3	1.20000e-2	2576.55713	4.65738e-6			

16011

Jm 4/25/16

Peak Sum Table

No Entries in table

KH

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Calibration Curves

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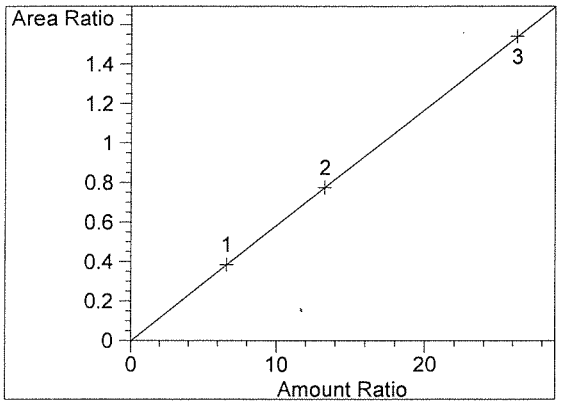
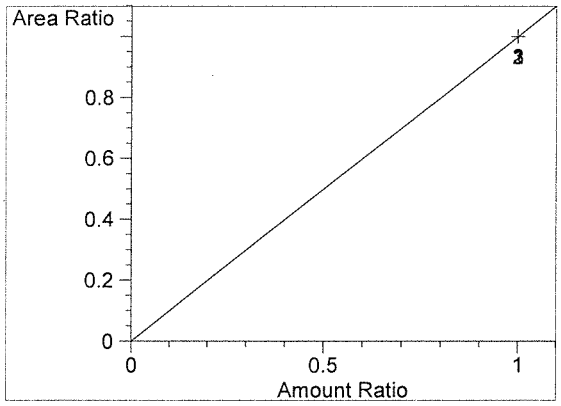


Ethanol at exp. RT: 1.092
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00222
Formula: y = mx + b
m: 5.86862e-2
b: -1.85605e-3
x: Amount Ratio
y: Area Ratio



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

==========

16011
Jny/25/16

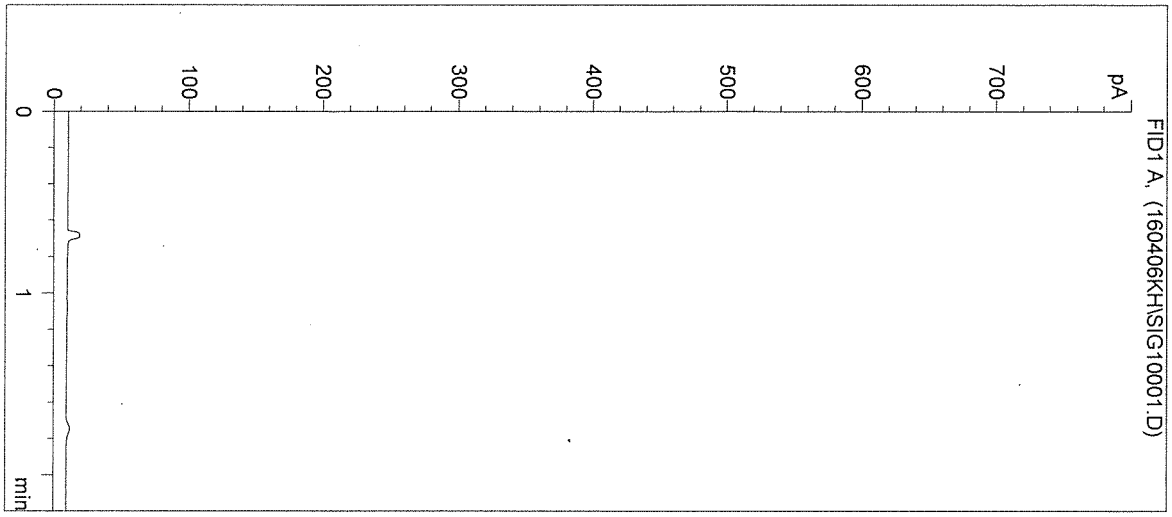
KH

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

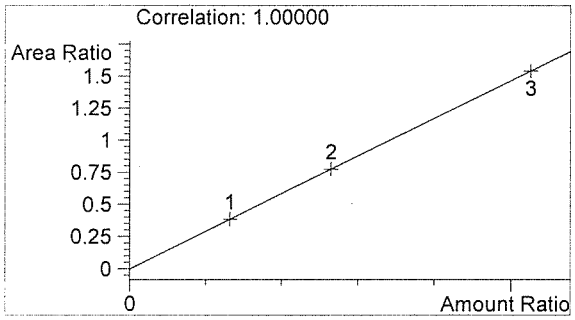
Inj. Date: 4/6/2016 10:37:29 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

Sample Name: BLANK
Operator: Katie Harris
Location: Vial 1

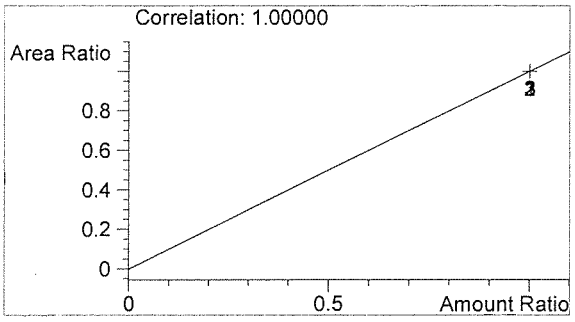
->



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



Ethanol 0.000 g/100mL



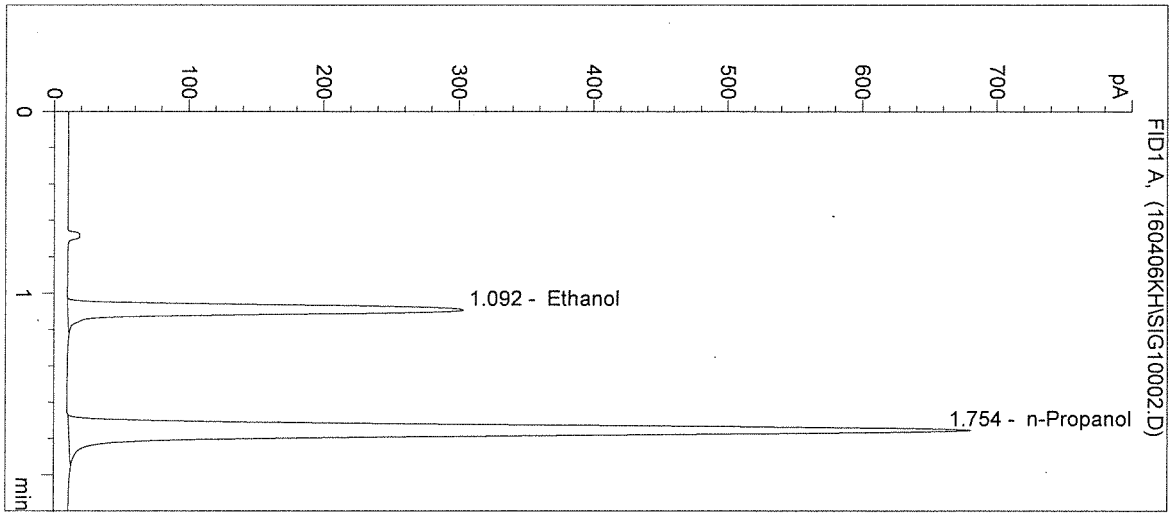
n-Propanol 0.000 g/100mL

KH

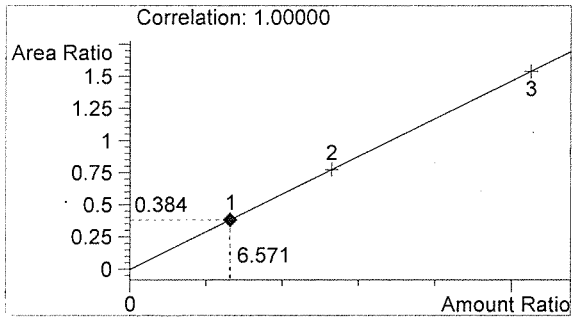
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/6/2016 10:40:46 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

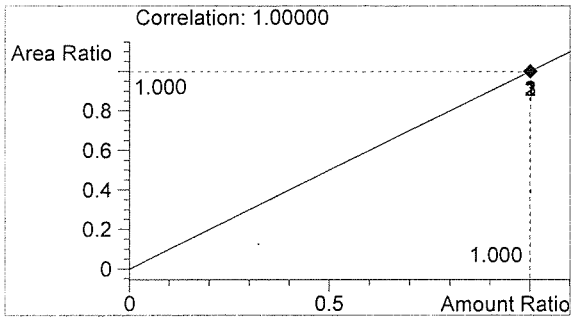
Sample Name: 0.079 CAL 1
Operator: Katie Harris
Location: Vial 2



#	Compound	Peak Area	RT (min)
1	Ethanol	1012	1.092
2	n-Propanol	2638	1.754



Ethanol 0.079 g/100mL



n-Propanol 0.012 g/100mL

KH

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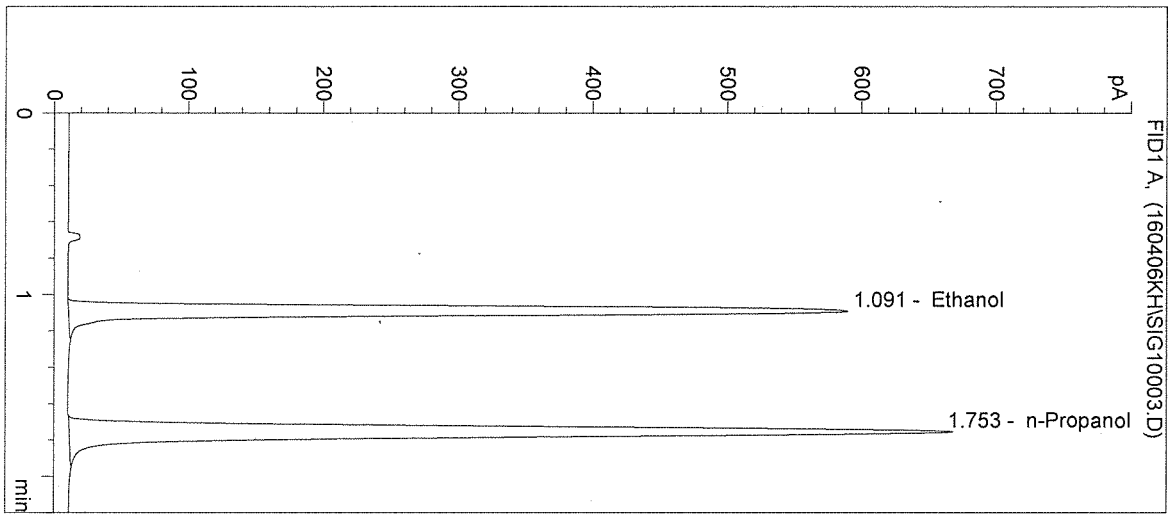
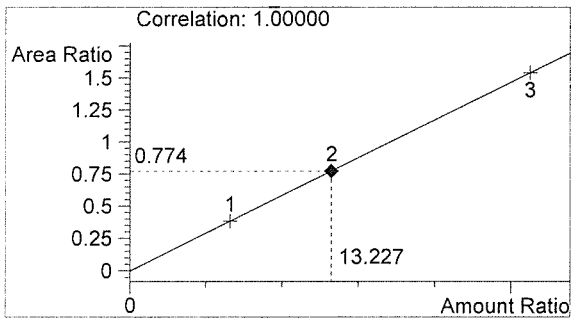
Inj. Date: 4/6/2016 10:44:03 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

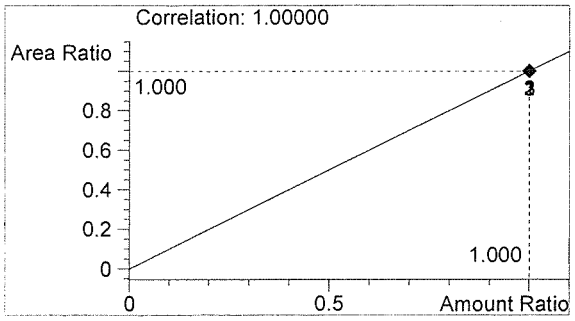
Sample Name: 0.158 CAL 2
Operator: Katie Harris
Location: Vial 3



#	Compound	Peak Area	RT (min)
1	Ethanol	2003	1.091
2	n-Propanol	2587	1.753



Ethanol 0.159 g/100mL



n-Propanol 0.012 g/100mL

KH

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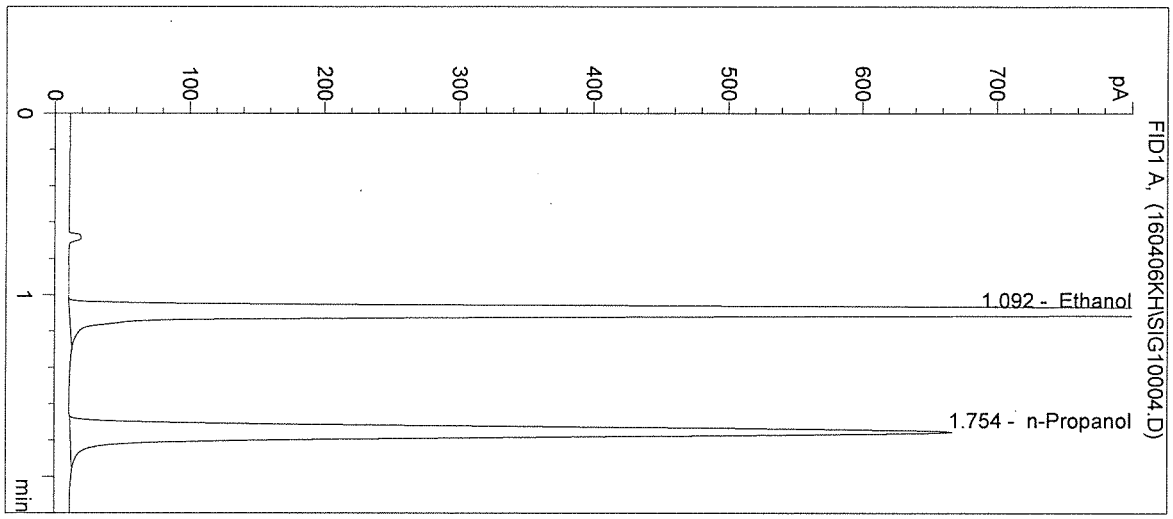
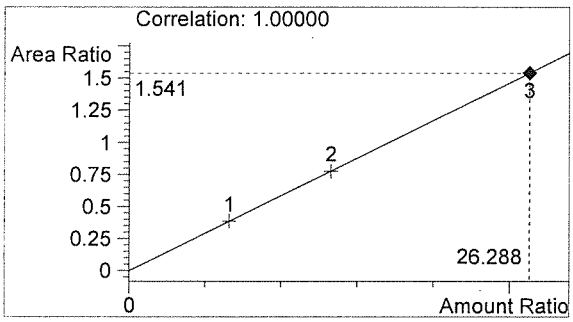
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/6/2016 10:47:20 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

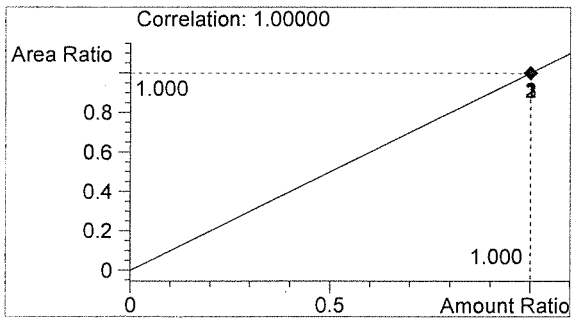
Sample Name: 0.316 CAL 3
Operator: Katie Harris
Location: Vial 4



#	Compound	Peak Area	RT (min)
1	Ethanol	3970	1.092
2	n-Propanol	2577	1.754



Ethanol 0.315 g/100mL



n-Propanol 0.012 g/100mL

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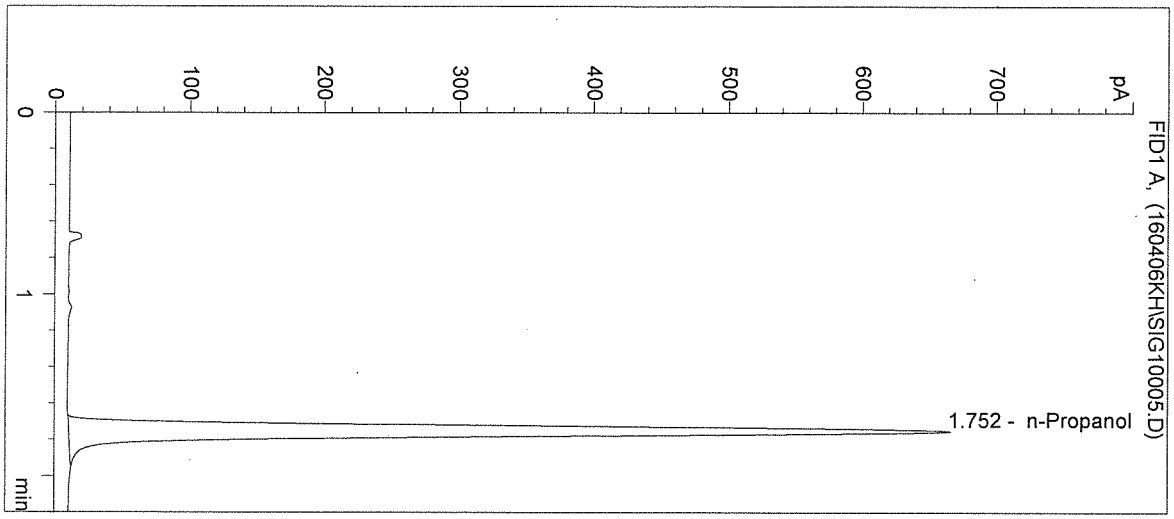
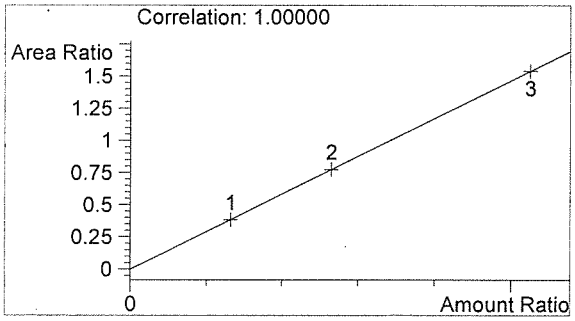
Inj. Date: 4/6/2016 10:50:34 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

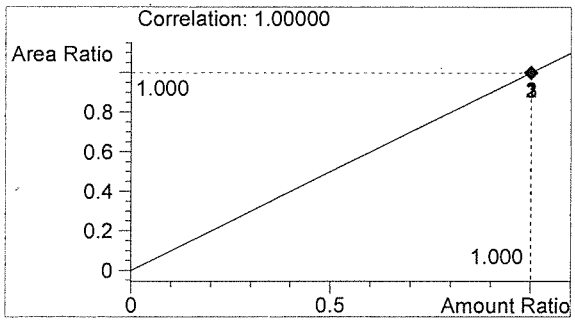
Sample Name: NEG CTRL
Operator: Katie Harris
Location: Vial 5



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2579	1.752



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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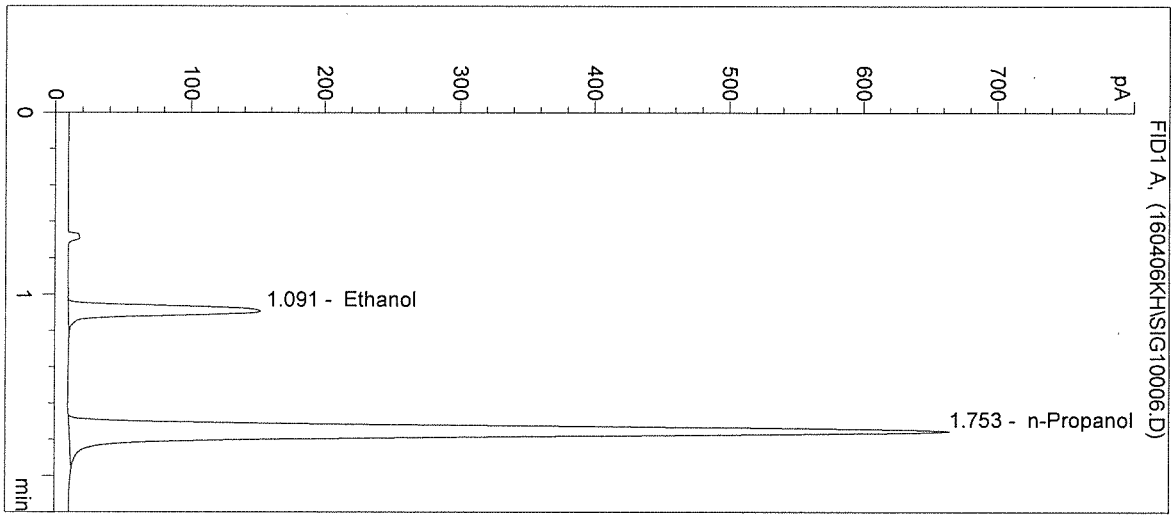
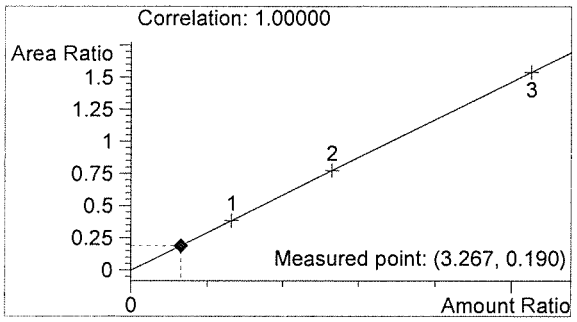
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/6/2016 10:53:47 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

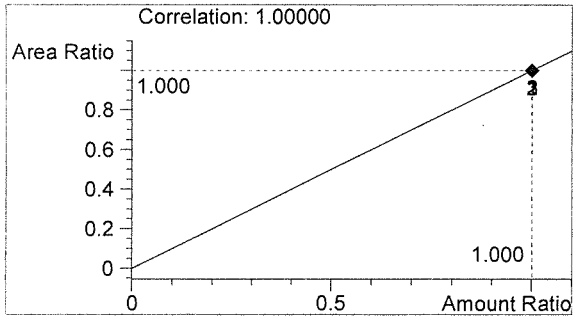
Sample Name: 0.04 CTRL
Operator: Katie Harris
Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	490	1.091
2	n-Propanol	2578	1.753



Ethanol 0.039 g/100mL



n-Propanol 0.012 g/100mL

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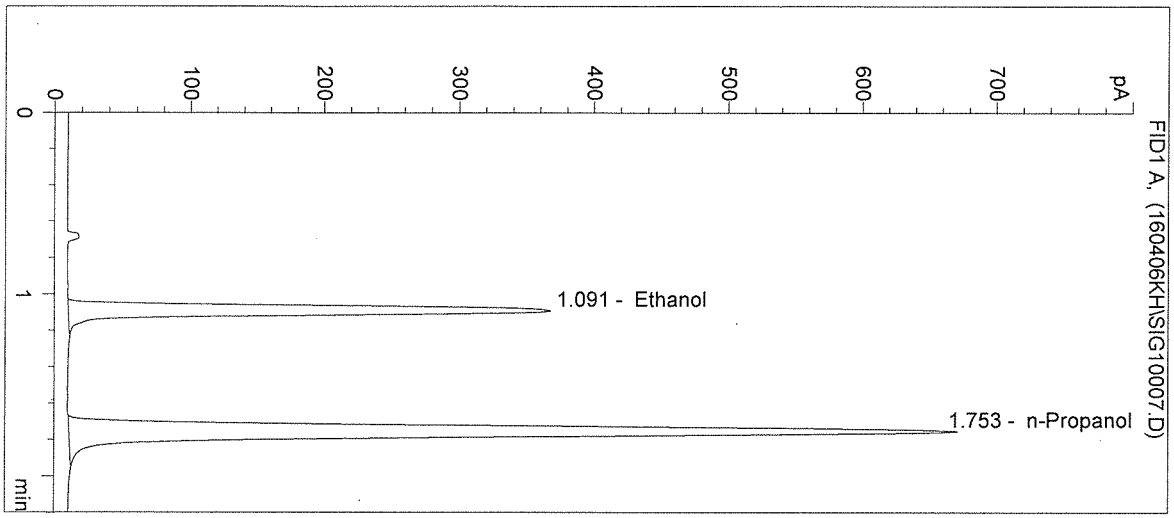
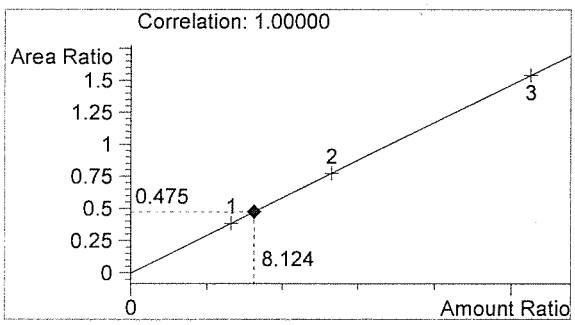
Inj. Date: 4/6/2016 10:57:00 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

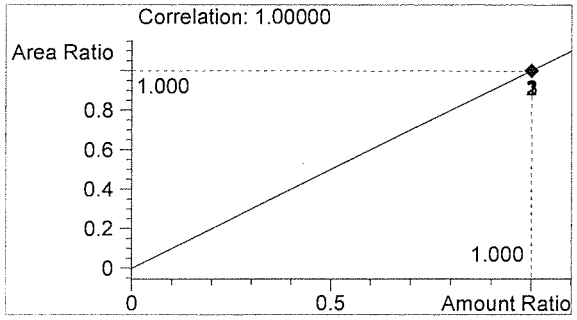
Sample Name: 0.10 CTRL
Operator: Katie Harris
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	1237	1.091
2	n-Propanol	2605	1.753



Ethanol 0.097 g/100mL



n-Propanol 0.012 g/100mL

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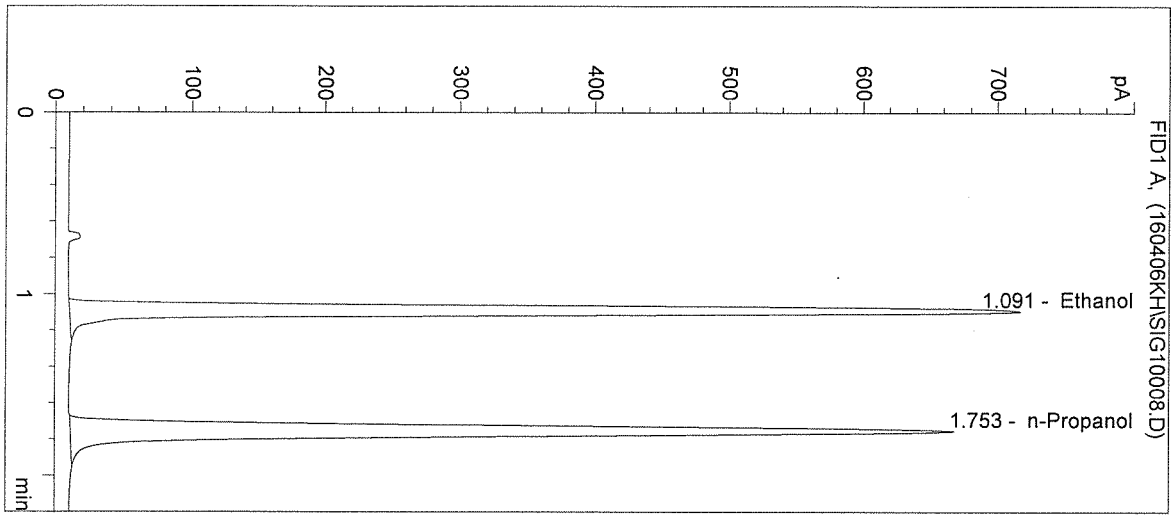
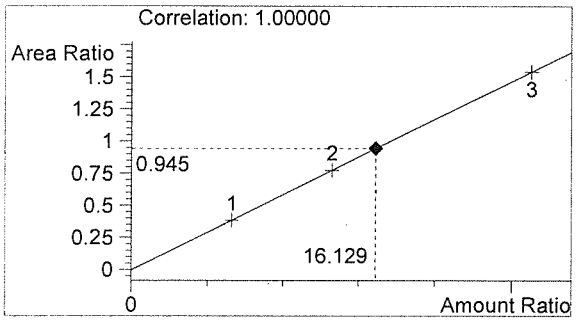
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/6/2016 11:00:14 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

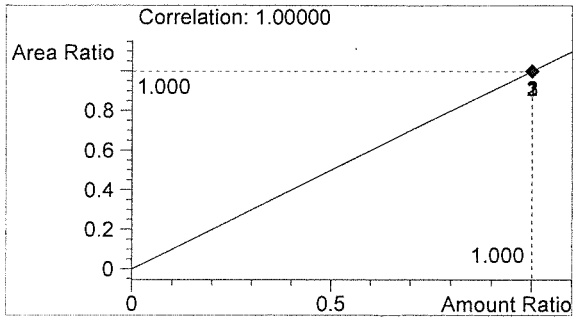
Sample Name: 0.20 CTRL
Operator: Katie Harris
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	2445	1.091
2	n-Propanol	2589	1.753



Ethanol 0.194 g/100mL



n-Propanol 0.012 g/100mL

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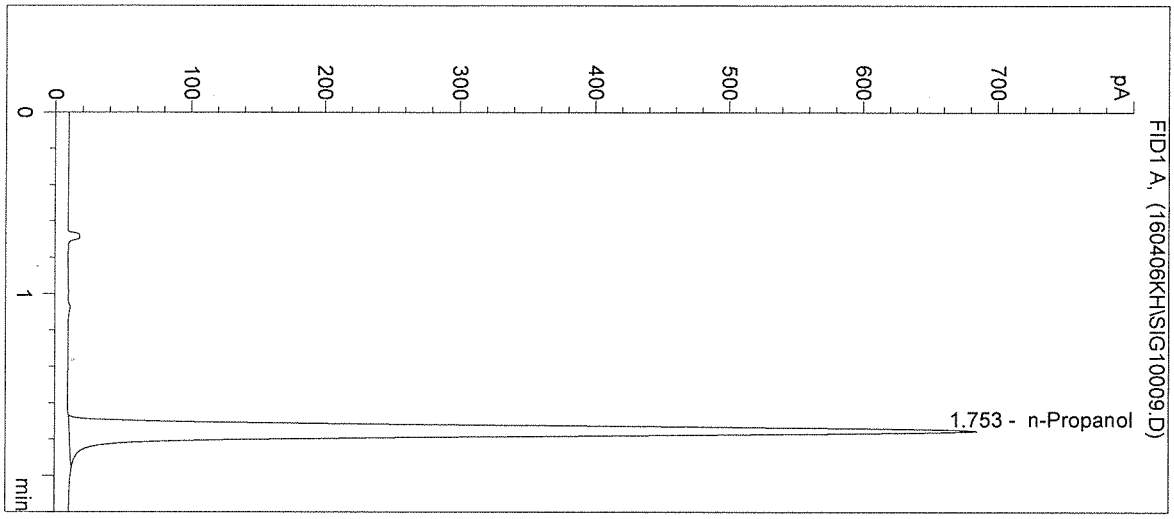
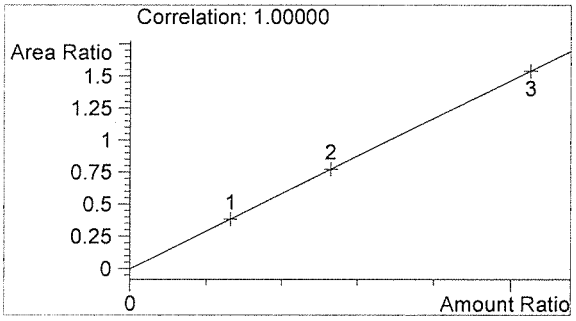
Inj. Date: 4/6/2016 11:03:27 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

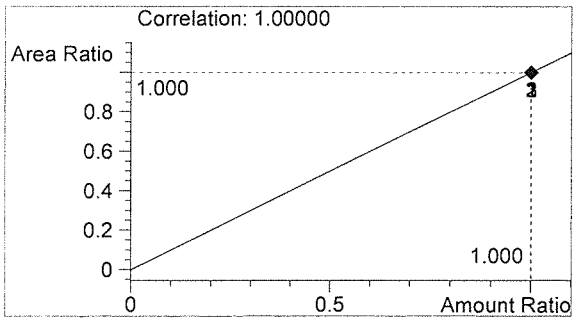
Sample Name: NEG CTRL
Operator: Katie Harris
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2661	1.753



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\160406KH\SIG10009.D

KH

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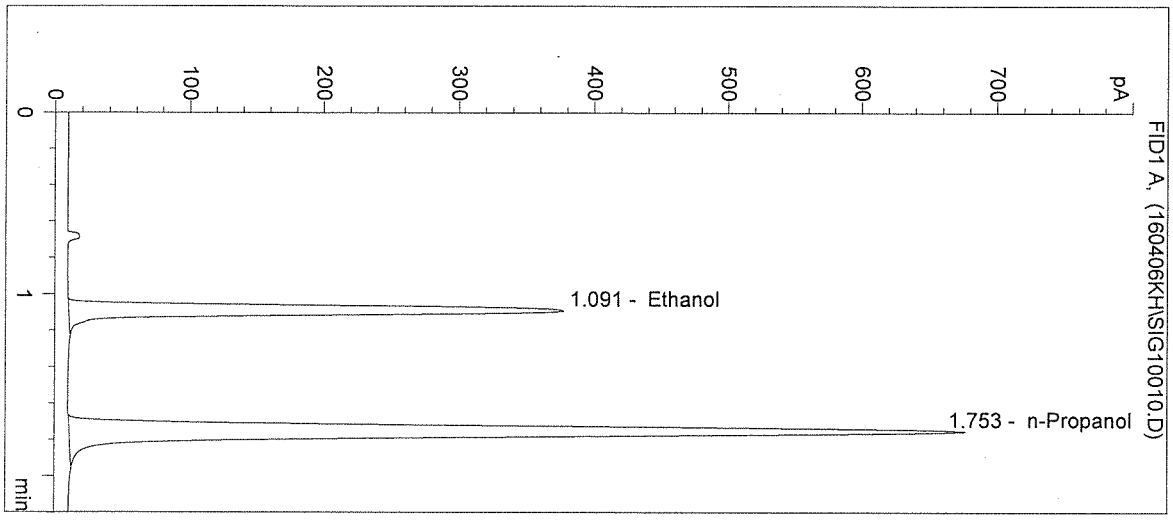
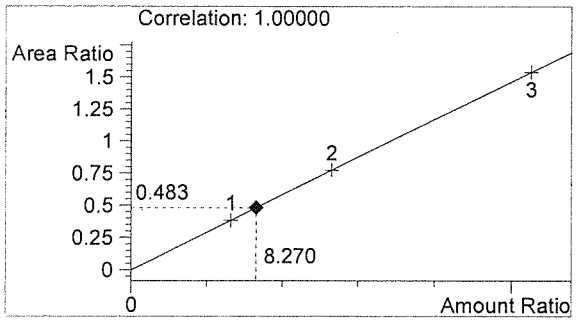
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/6/2016 11:06:40 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

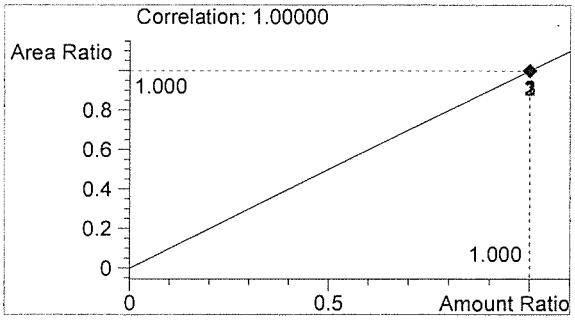
Sample Name: 16011-1
Operator: Katie Harris
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	1267	1.091
2	n-Propanol	2621	1.753



Ethanol 0.099 g/100mL



n-Propanol 0.012 g/100mL

KH

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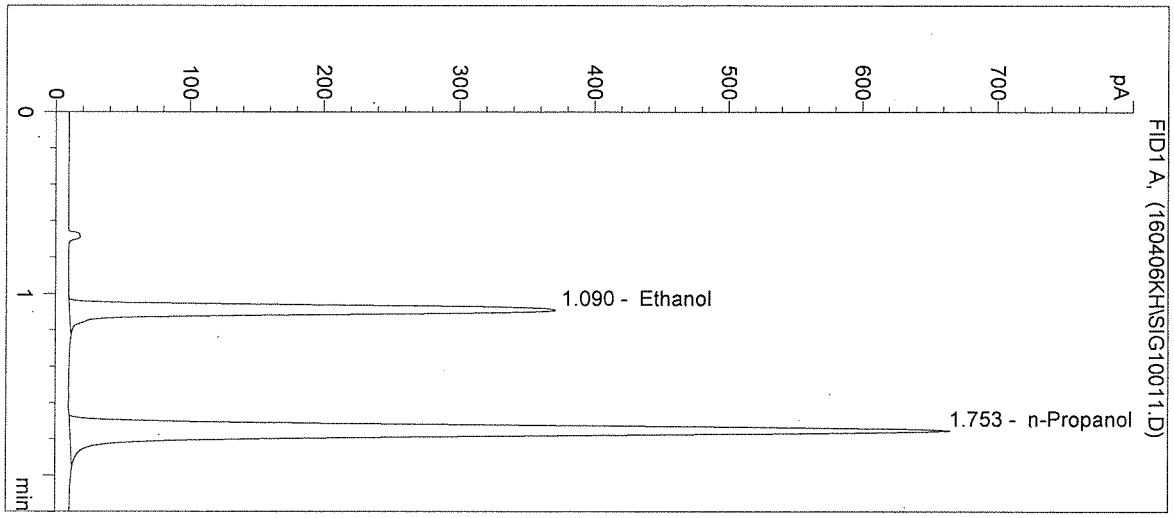
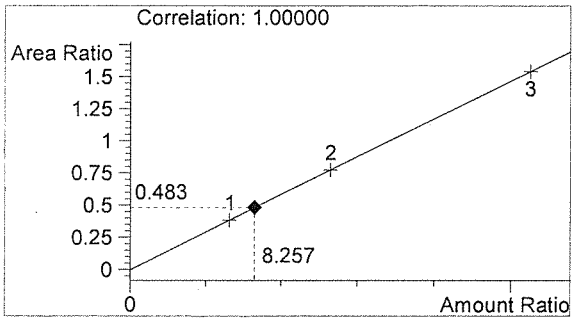
Inj. Date: 4/6/2016 11:09:53 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

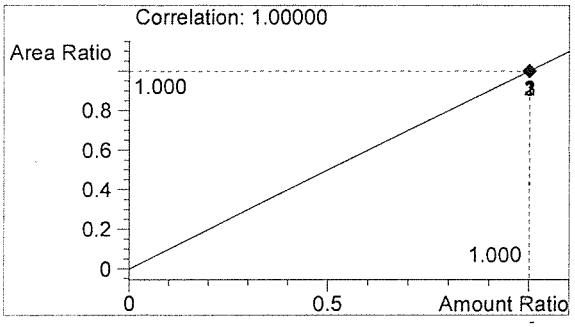
Sample Name: 16011-2
Operator: Katie Harris
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	1243	1.090
2	n-Propanol	2576	1.753



Ethanol 0.099 g/100mL



n-Propanol 0.012 g/100mL

KH

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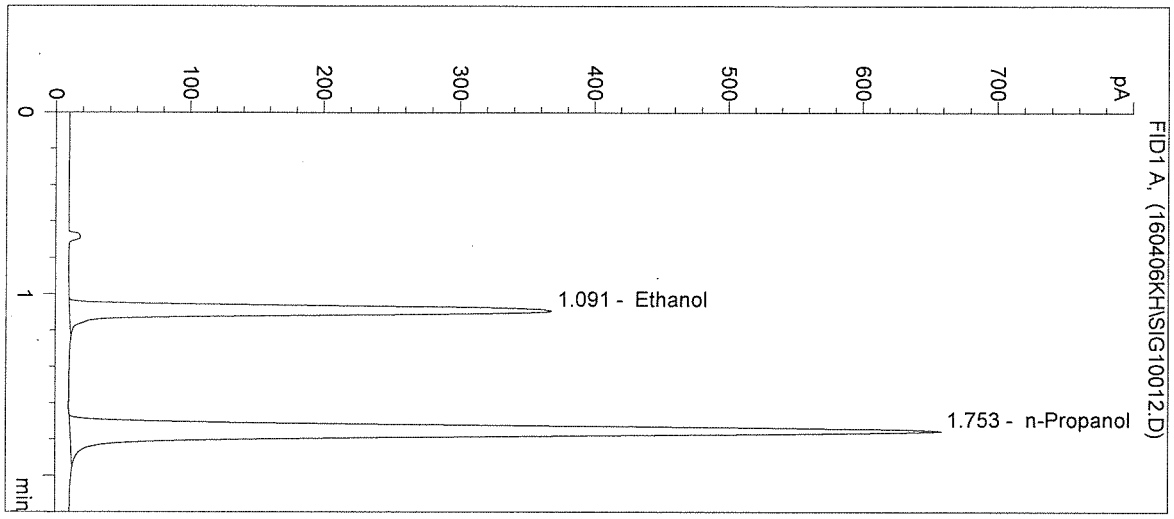
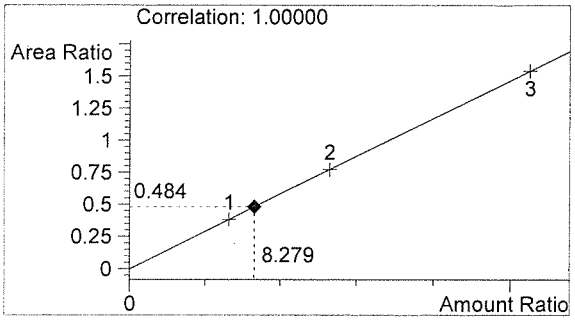
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/6/2016 11:13:07 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

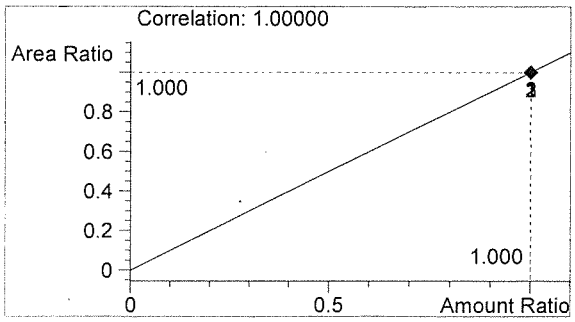
Sample Name: 16011-3
Operator: Katie Harris
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	1234	1.091
2	n-Propanol	2548	1.753



Ethanol 0.099 g/100mL



n-Propanol 0.012 g/100mL

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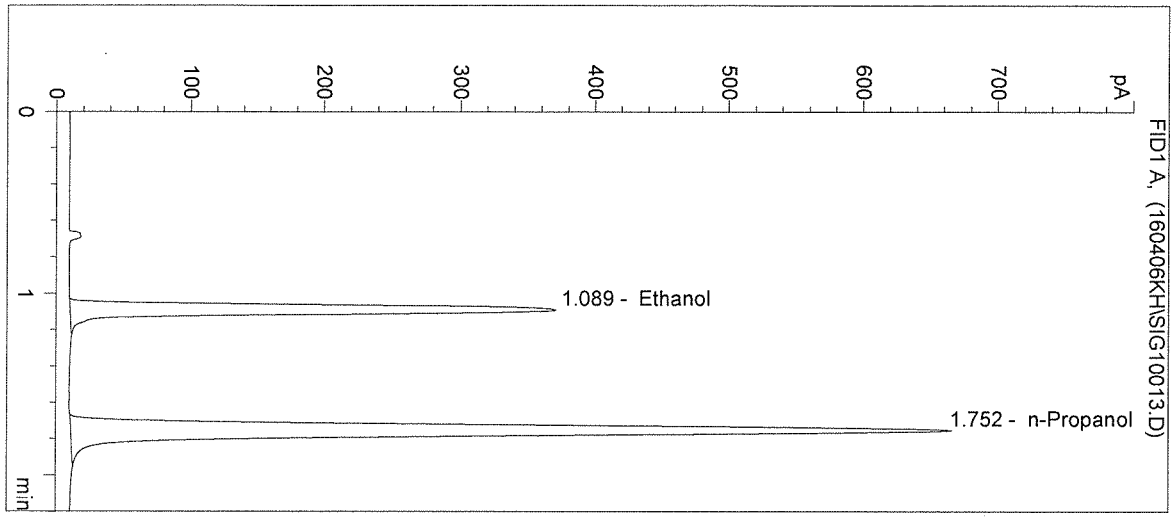
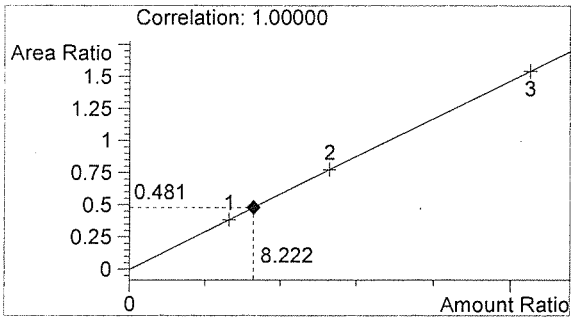
Inj. Date: 4/6/2016 11:16:20 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

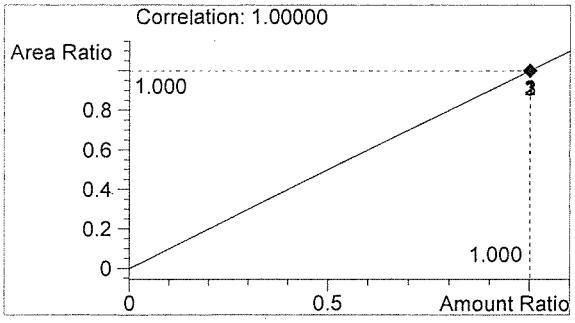
Sample Name: 16011-4
Operator: Katie Harris
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	1236	1.089
2	n-Propanol	2571	1.752



Ethanol 0.099 g/100mL



n-Propanol 0.012 g/100mL

KH

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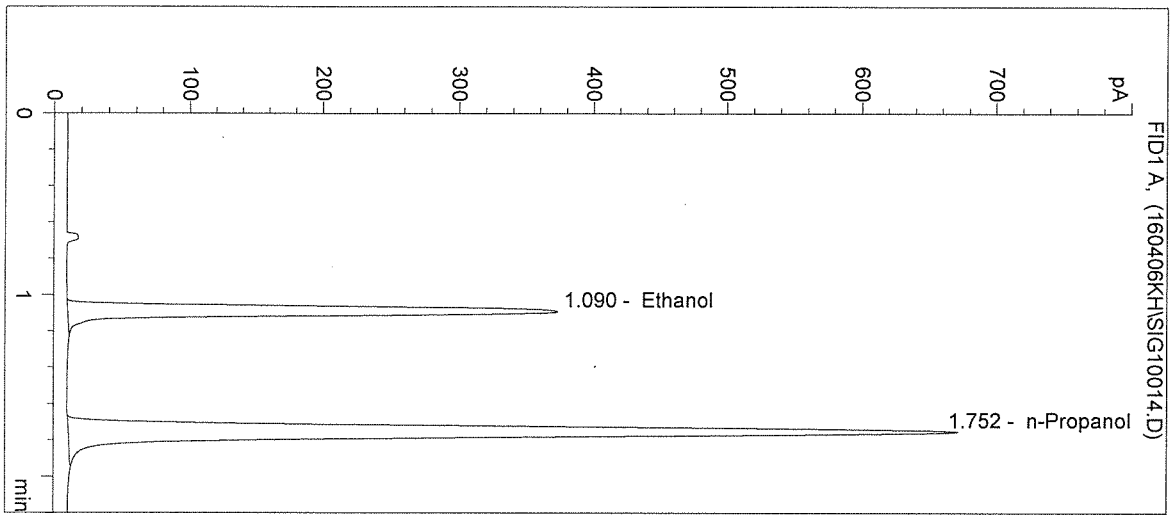
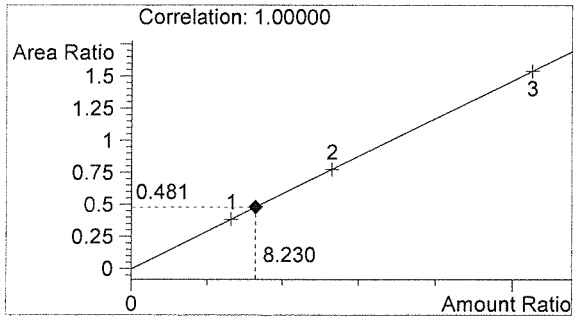
Inj. Date: 4/6/2016 11:19:33 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

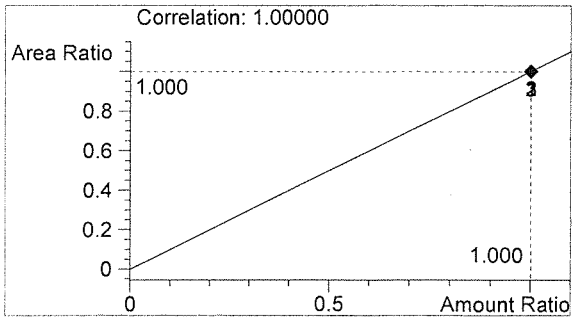
Sample Name: 16011-5
Operator: Katie Harris
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	1252	1.090
2	n-Propanol	2601	1.752



Ethanol 0.099 g/100mL



n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\160406KH\SIG10014.D

KH

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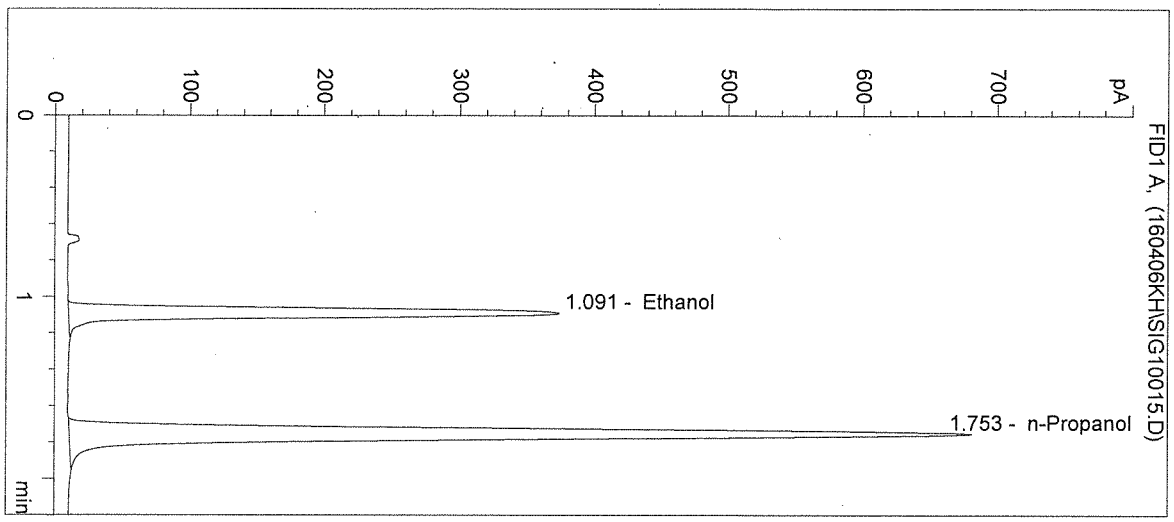
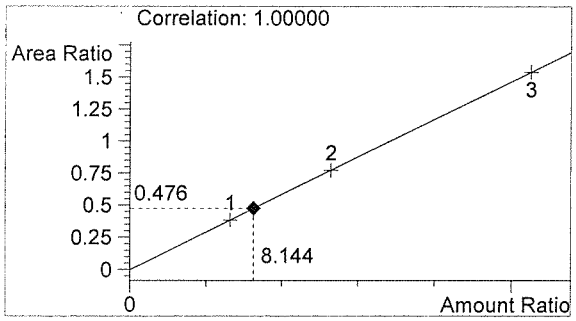
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/6/2016 11:22:47 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

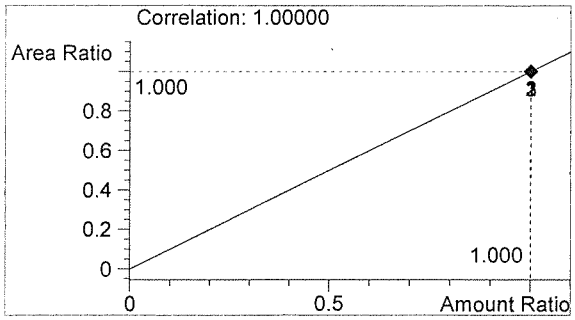
Sample Name: 0.10 CTRL
Operator: Katie Harris
Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	1258	1.091
2	n-Propanol	2643	1.753



Ethanol 0.098 g/100mL



n-Propanol 0.012 g/100mL

KH

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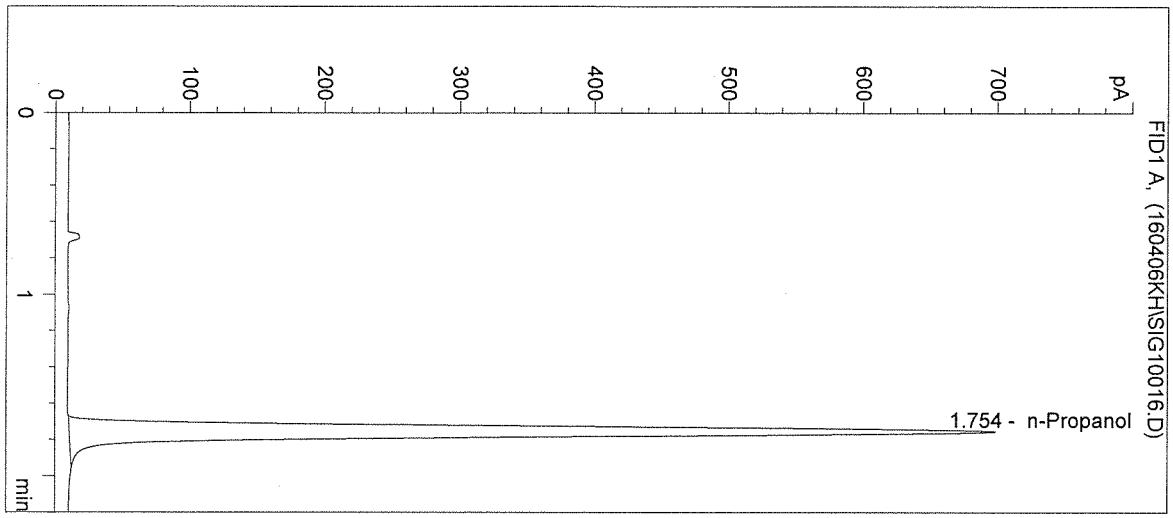
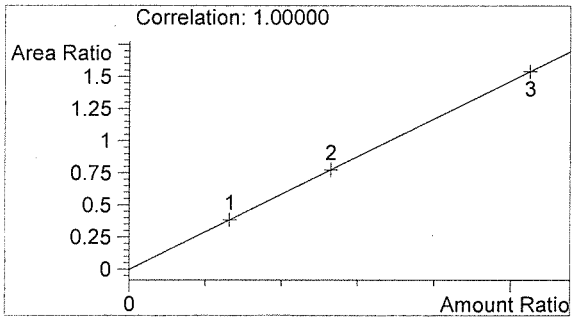
Inj. Date: 4/6/2016 11:26:00 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

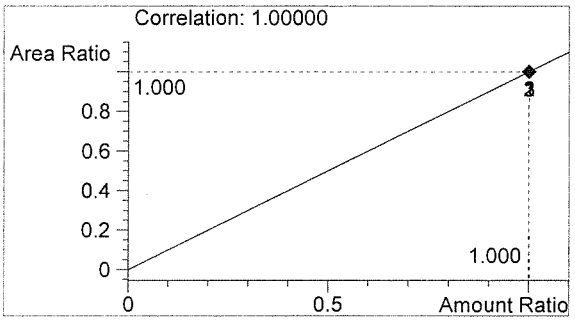
Sample Name: NEG CTRL
Operator: Katie Harris
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2716	1.754



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

KH

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

Sequence Parameters:

Operator:	Christie Mitchell-Mata
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	160411CM
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#P0316 - Exp. 06/29/2016

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	16011-1	SIMALC1	1	Sample		
11	Vial 11	16011-2	SIMALC1	1	Sample		
12	Vial 12	16011-3	SIMALC1	1	Sample		
13	Vial 13	16011-4	SIMALC1	1	Sample		
14	Vial 14	16011-5	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	

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

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

Sequence Table (Back Injector):

No entries - empty table!

16011

fn 4/25/16

Calibration Table

Calib. Data Modified : Monday, April 11, 2016 8:56:06 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
1.091	1	1	7.91100e-2	977.15698	8.09594e-5	1		Ethanol
		2	1.59090e-1	1922.34460	8.27583e-5			
		3	3.15200e-1	3869.90747	8.14490e-5			
1.754	1	1	1.20000e-2	2587.93823	4.63690e-6	I1		n-Propanol
		2	1.20000e-2	2564.74756	4.67882e-6			
		3	1.20000e-2	2573.16260	4.66352e-6			

16011

Jn 4/25/16

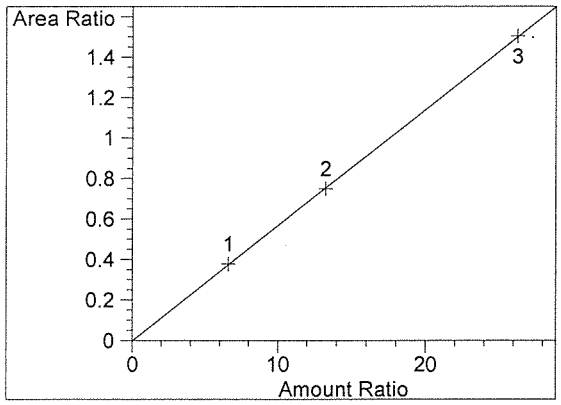
Peak Sum Table

No Entries in table

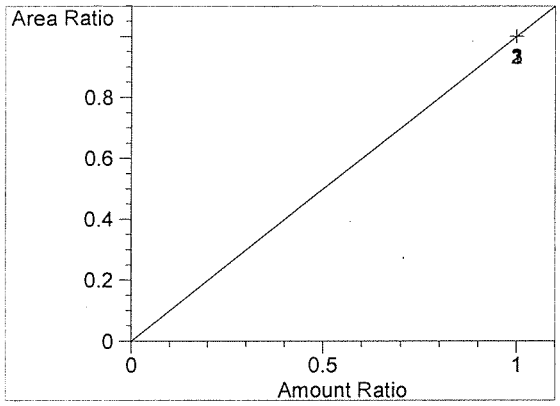
==========

Calibration Curves

==========



Ethanol at exp. RT: 1.091
FID1 A,
Correlation: 0.99997
Residual Std. Dev.: 0.00584
Formula: y = mx + b
m: 5.72117e-2
b: -1.83909e-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

==========

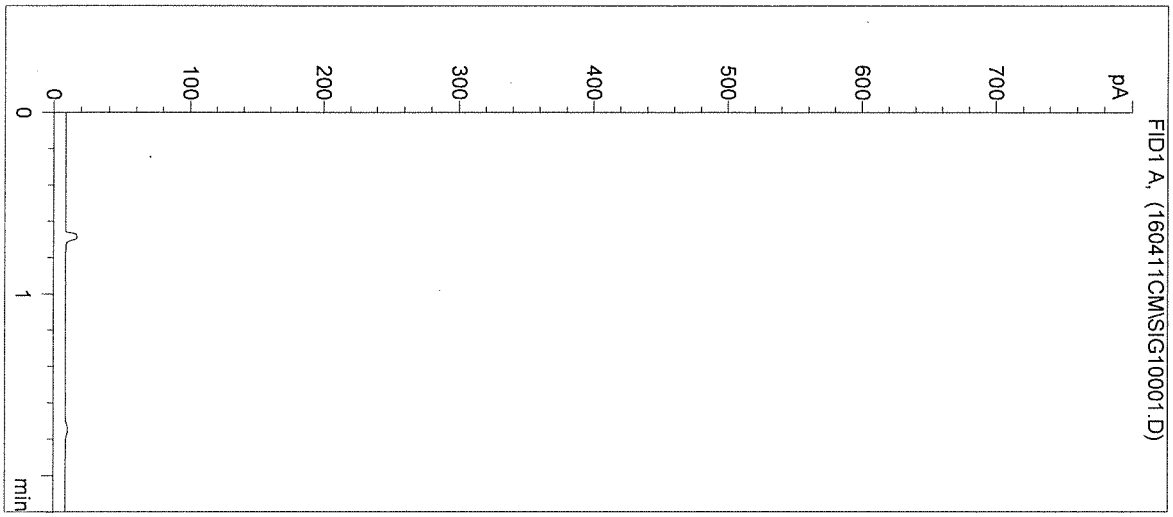
16011

Jm 4/25/16

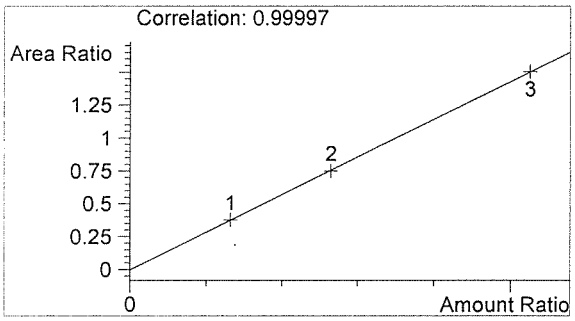
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/11/2016 8:44:02 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

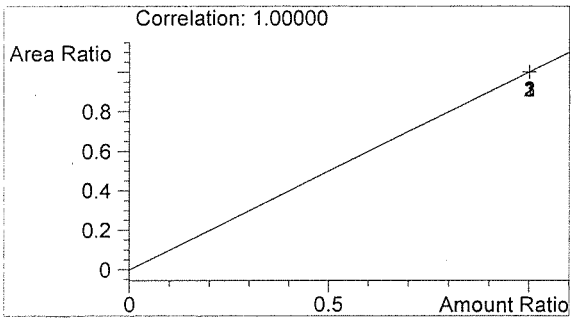
Sample Name: BLANK
Operator: Christie Mitchell-Mata
Location: Vial 1



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



Ethanol 0.000 g/100mL

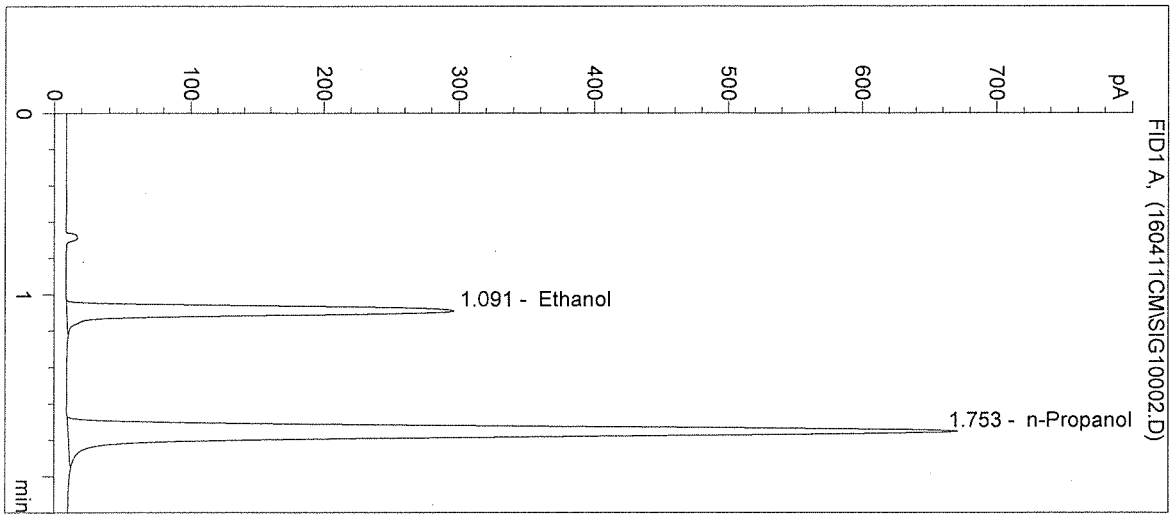


n-Propanol 0.000 g/100mL

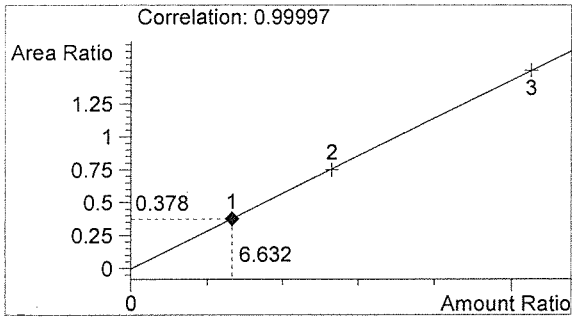
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/11/2016 8:47:21 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

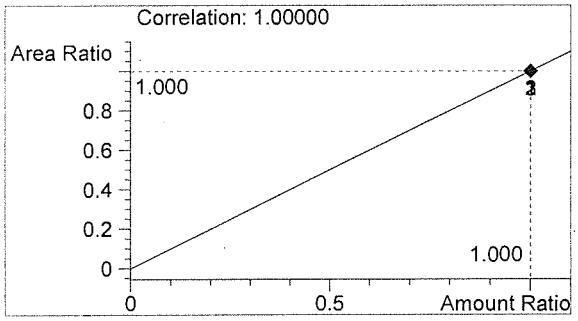
Sample Name: 0.079 CAL 1
Operator: Christie Mitchell-Mata
Location: Vial 2



#	Compound	Peak Area	RT (min)
1	Ethanol	977	1.091
2	n-Propanol	2588	1.753



Ethanol 0.080 g/100mL

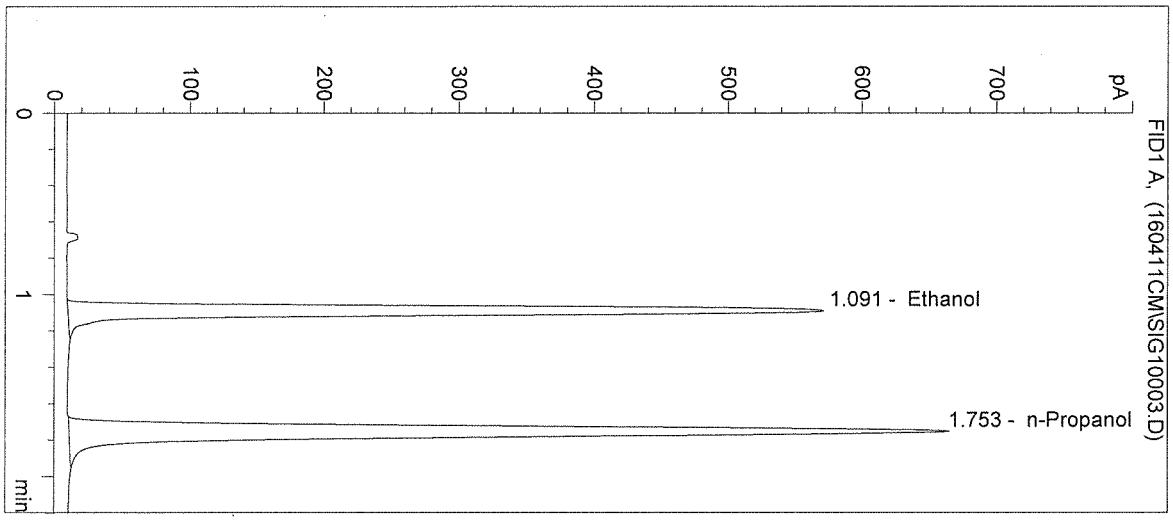


n-Propanol 0.012 g/100mL

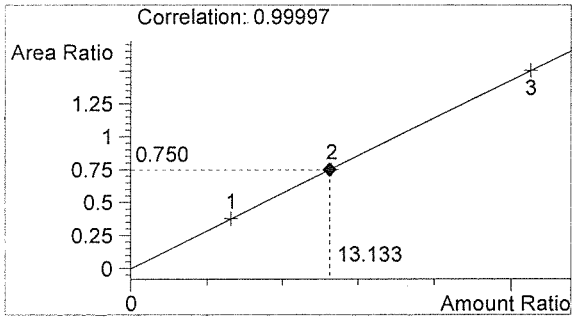
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/11/2016 8:50:36 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

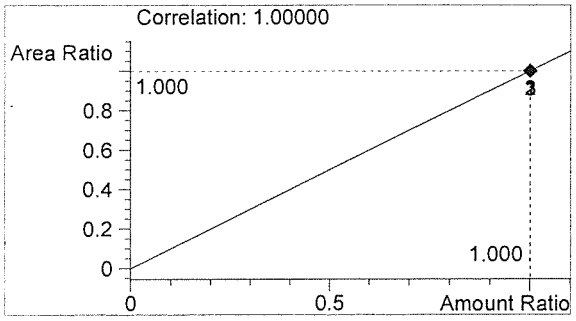
Sample Name: 0.158 CAL 2
Operator: Christie Mitchell-Mata
Location: Vial 3



#	Compound	Peak Area	RT (min)
1	Ethanol	1922	1.091
2	n-Propanol	2565	1.753



Ethanol 0.158 g/100mL

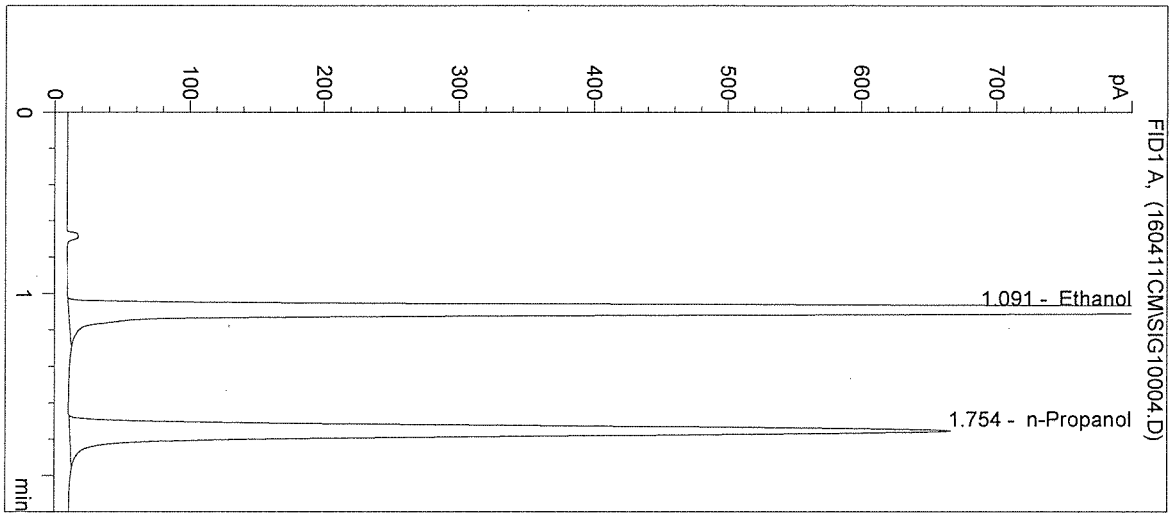


n-Propanol 0.012 g/100mL

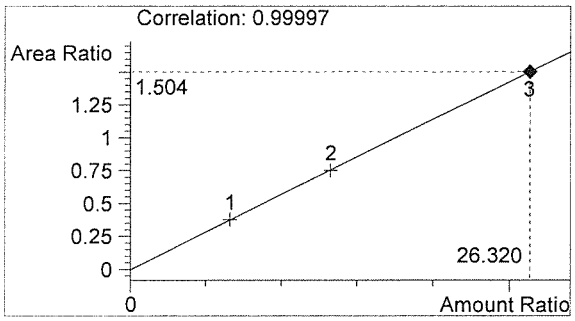
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/11/2016 8:53:53 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

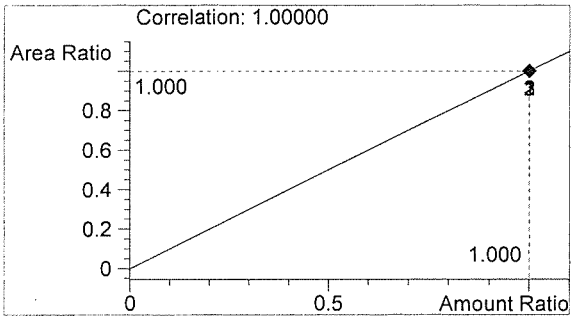
Sample Name: 0.316 CAL 3
Operator: Christie Mitchell-Mata
Location: Vial 4



#	Compound	Peak Area	RT (min)
1	Ethanol	3870	1.091
2	n-Propanol	2573	1.754



Ethanol 0.316 g/100mL

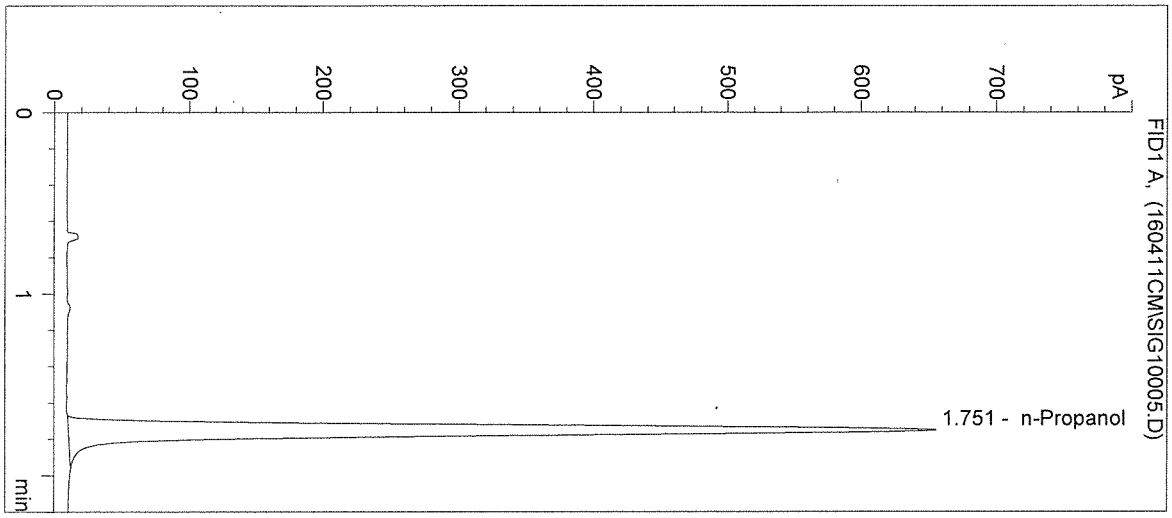


n-Propanol 0.012 g/100mL

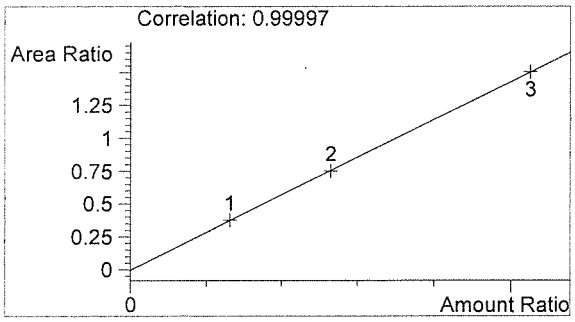
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/11/2016 8:57:07 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

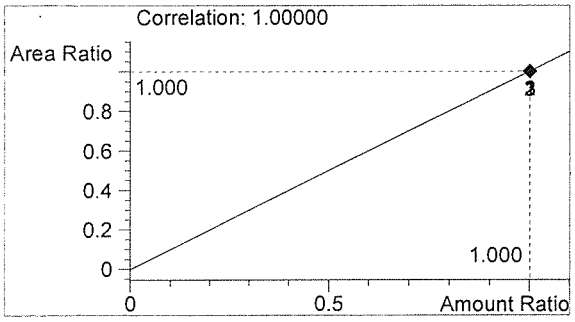
Sample Name: NEG CTRL
Operator: Christie Mitchell-Mata
Location: Vial 5



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2535	1.751



Ethanol 0.000 g/100mL

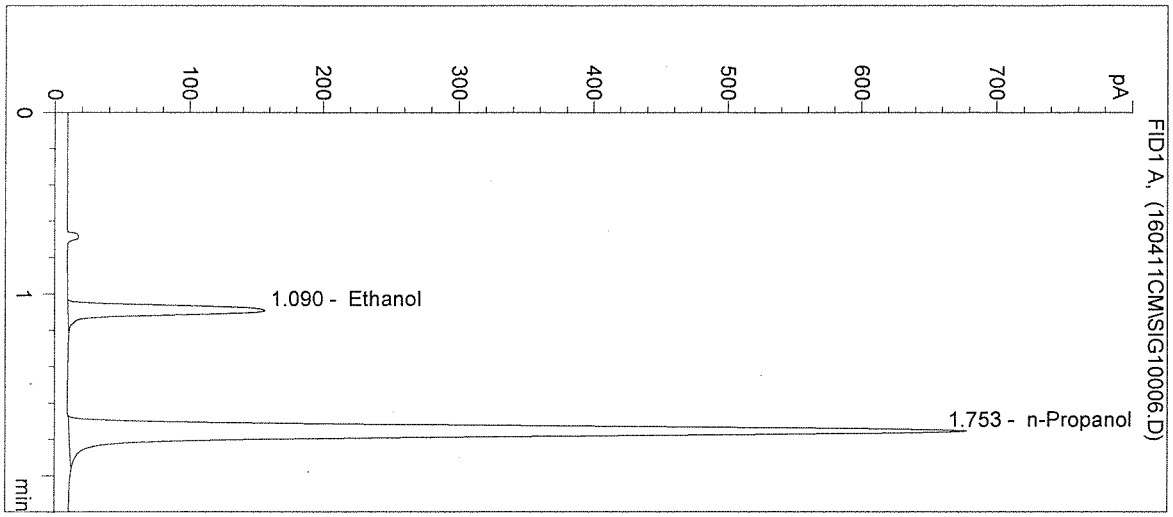


n-Propanol 0.012 g/100mL

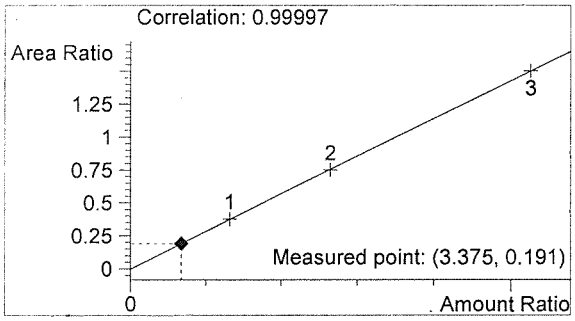
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/11/2016 9:00:20 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

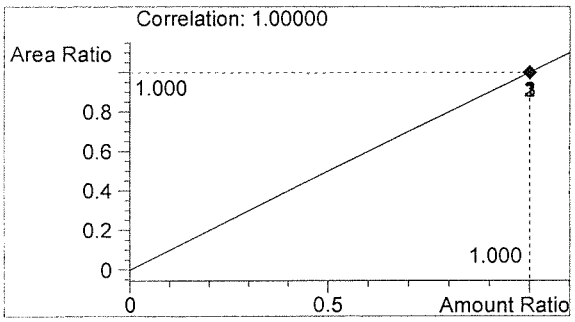
Sample Name: 0.04 CTRL
Operator: Christie Mitchell-Mata
Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	501	1.090
2	n-Propanol	2620	1.753



Ethanol 0.040 g/100mL

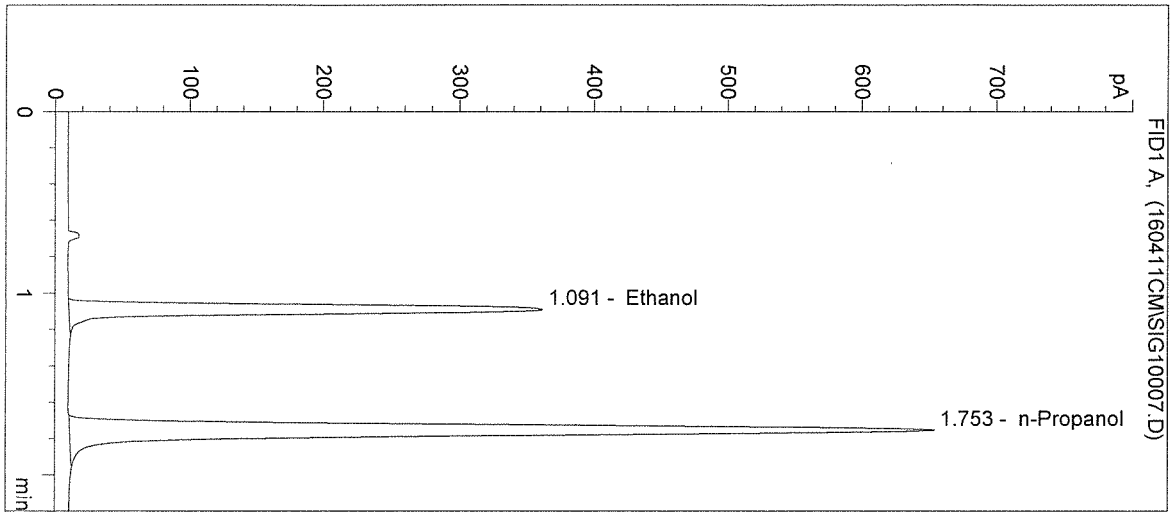


n-Propanol 0.012 g/100mL

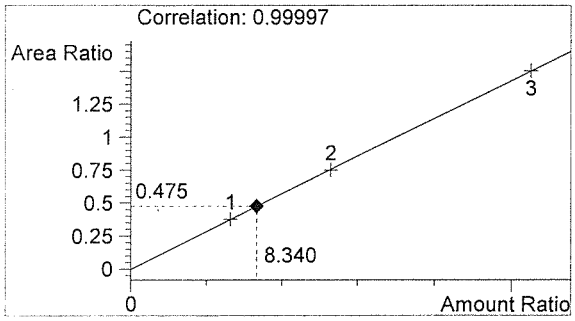
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/11/2016 9:03:33 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

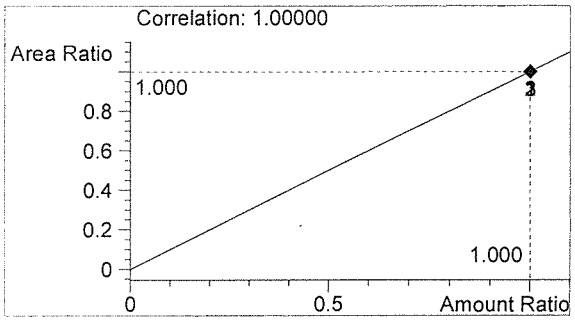
Sample Name: 0.10 CTRL
Operator: Christie Mitchell-Mata
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	1203	1.091
2	n-Propanol	2532	1.753



Ethanol 0.100 g/100mL

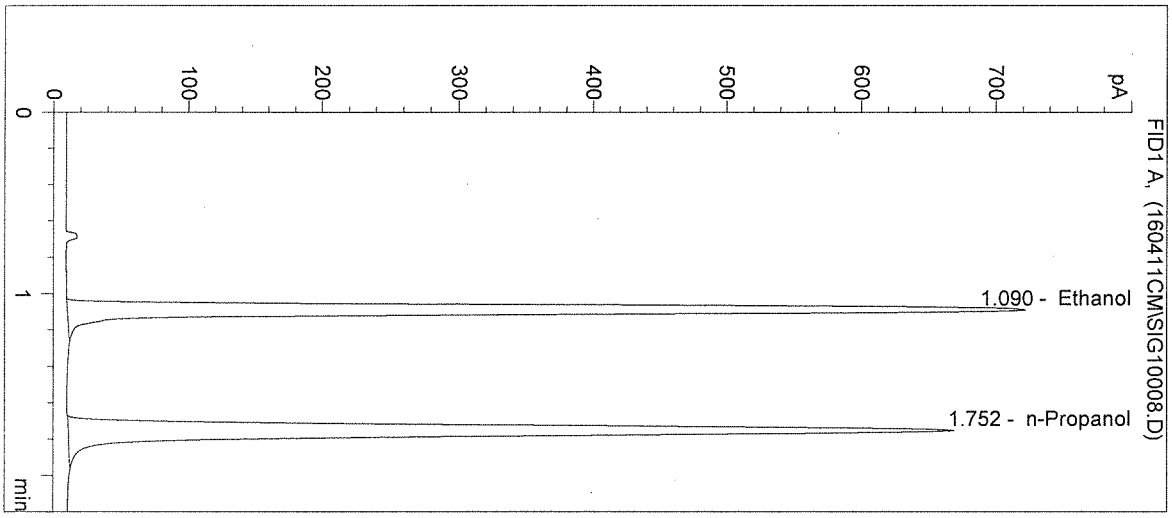


n-Propanol 0.012 g/100mL

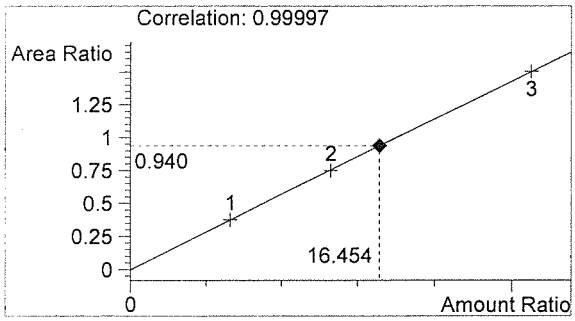
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/11/2016 9:06:46 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

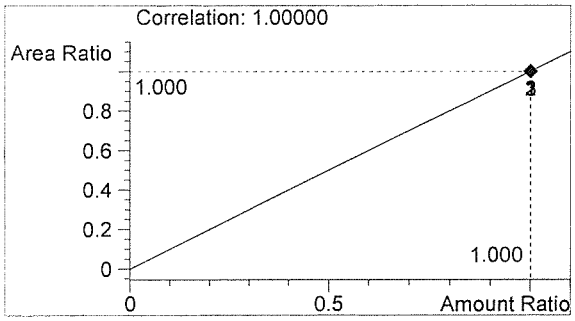
Sample Name: 0.20 CTRL
Operator: Christie Mitchell-Mata
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	2426	1.090
2	n-Propanol	2583	1.752



Ethanol 0.197 g/100mL

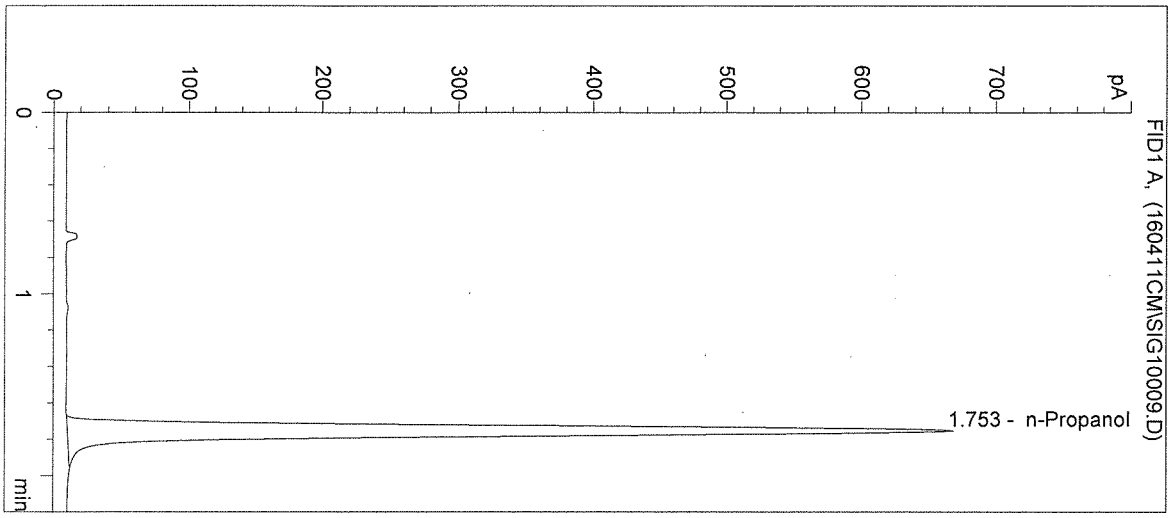


n-Propanol 0.012 g/100mL

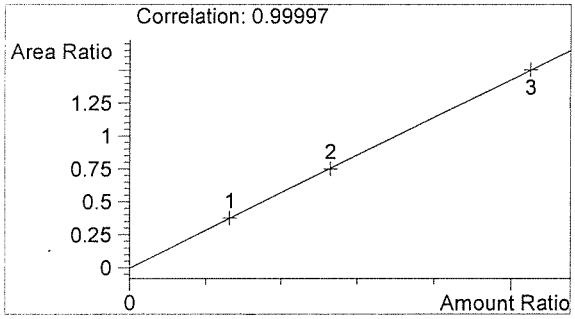
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/11/2016 9:10:00 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

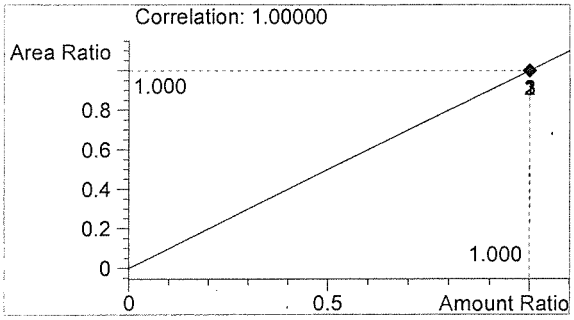
Sample Name: NEG CTRL
Operator: Christie Mitchell-Mata
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2587	1.753



Ethanol 0.000 g/100mL

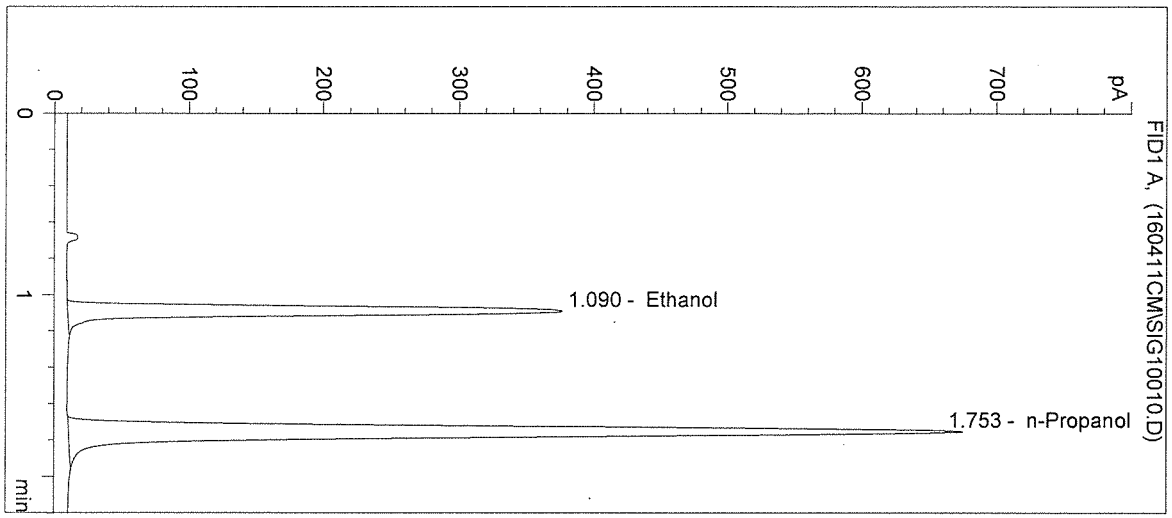


n-Propanol 0.012 g/100mL

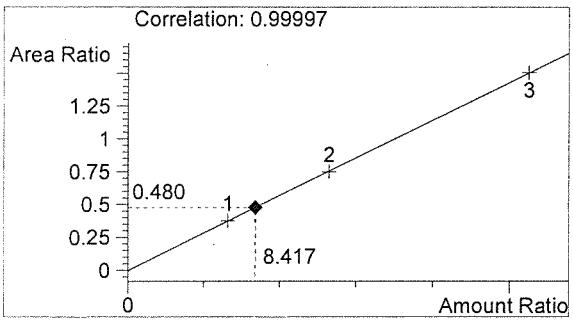
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/11/2016 9:13:13 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

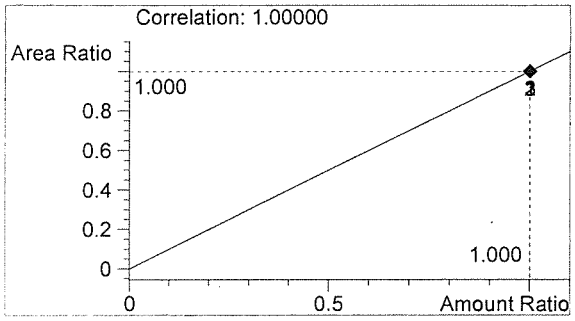
Sample Name: 16011-1
Operator: Christie Mitchell-Mata
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	1254	1.090
2	n-Propanol	2613	1.753



Ethanol 0.101 g/100mL

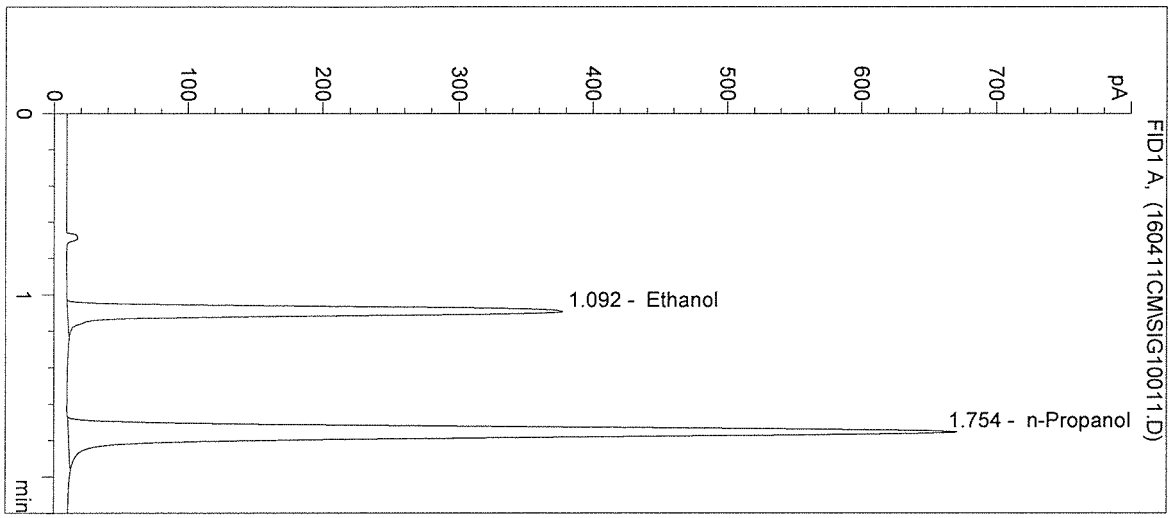


n-Propanol 0.012 g/100mL

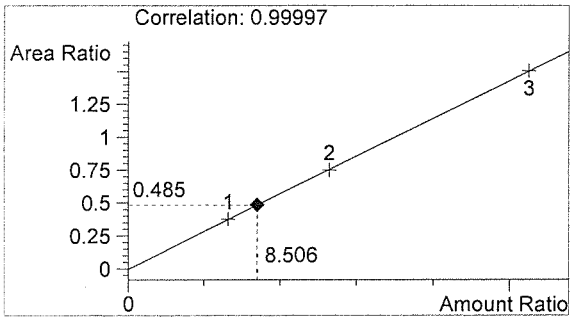
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/11/2016 9:16:26 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

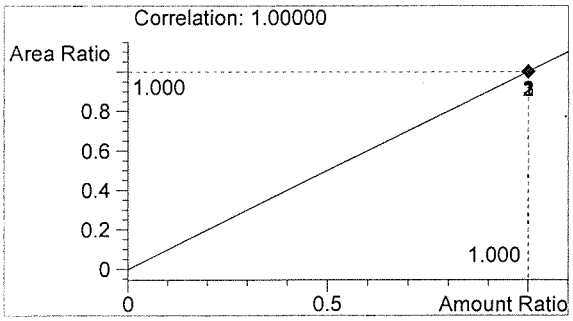
Sample Name: 16011-2
Operator: Christie Mitchell-Mata
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	1261	1.092
2	n-Propanol	2601	1.754



Ethanol 0.102 g/100mL

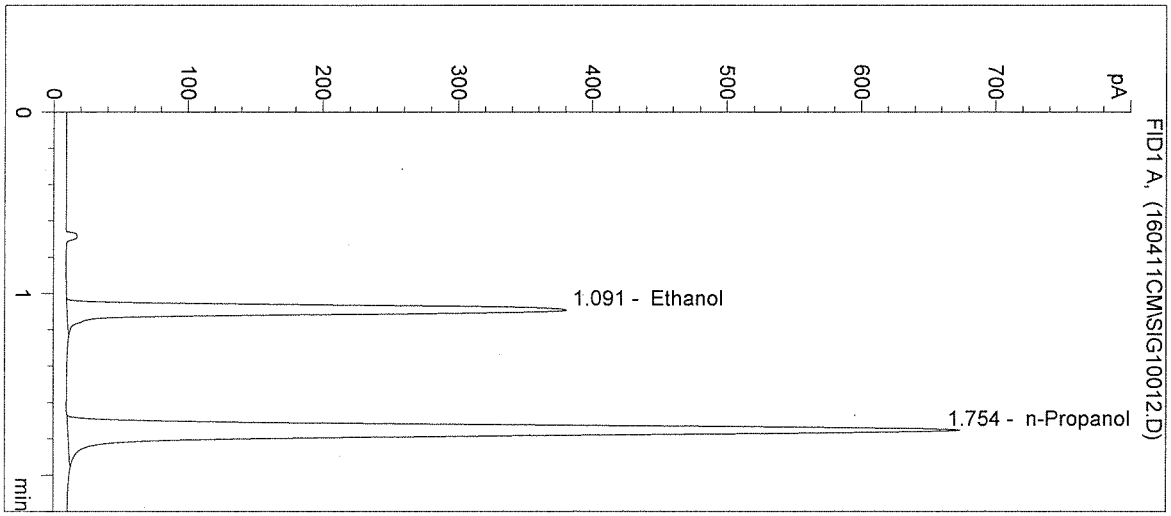


n-Propanol 0.012 g/100mL

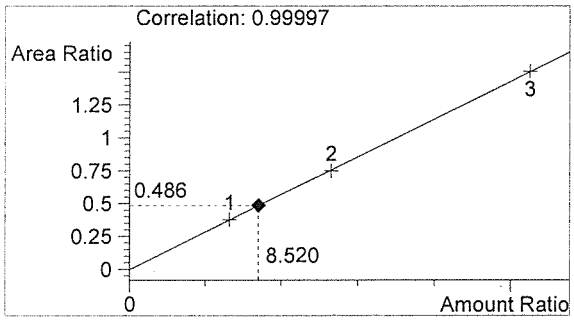
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/11/2016 9:19:39 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

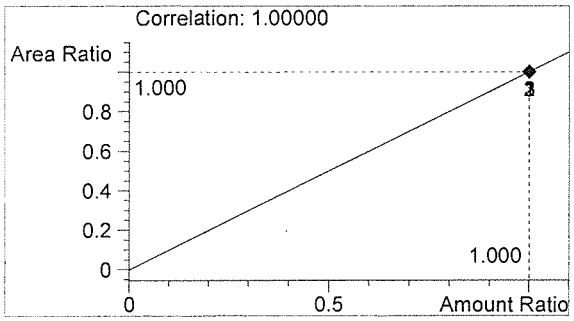
Sample Name: 16011-3
Operator: Christie Mitchell-Mata
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	1266	1.091
2	n-Propanol	2607	1.754



Ethanol 0.102 g/100mL

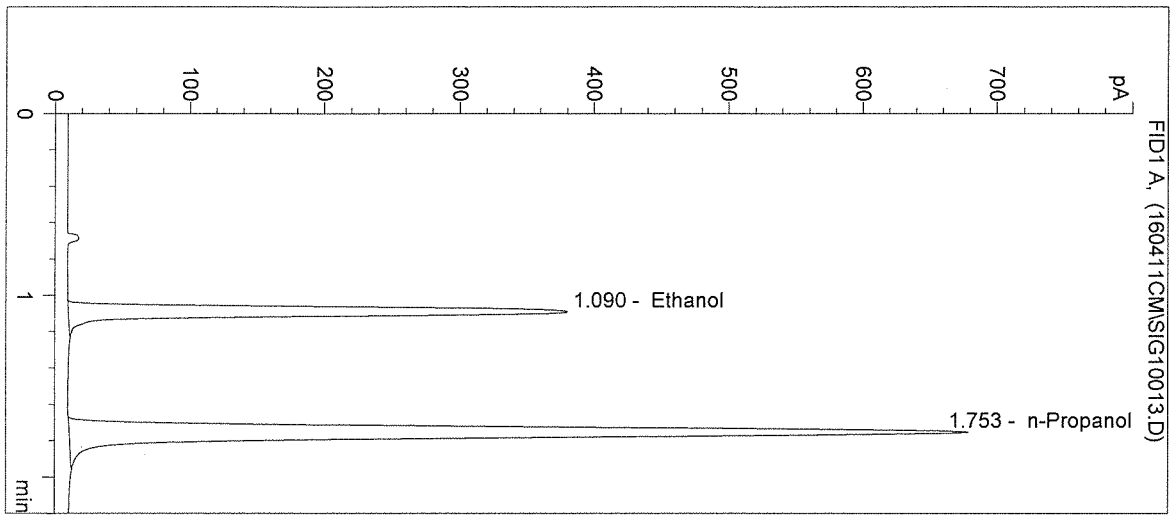


n-Propanol 0.012 g/100mL

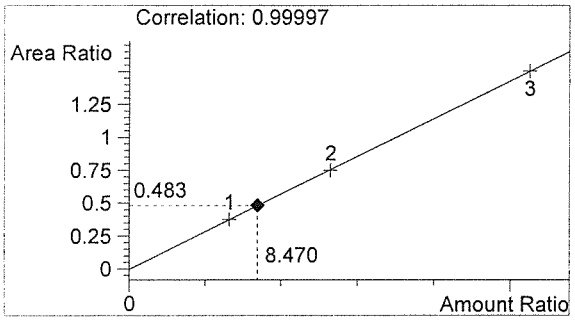
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/11/2016 9:22:53 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

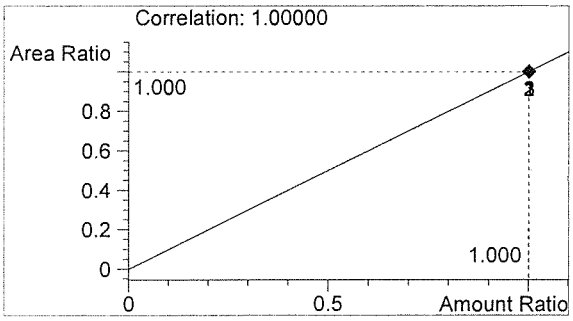
Sample Name: 16011-4
Operator: Christie Mitchell-Mata
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	1267	1.090
2	n-Propanol	2625	1.753



Ethanol 0.102 g/100mL

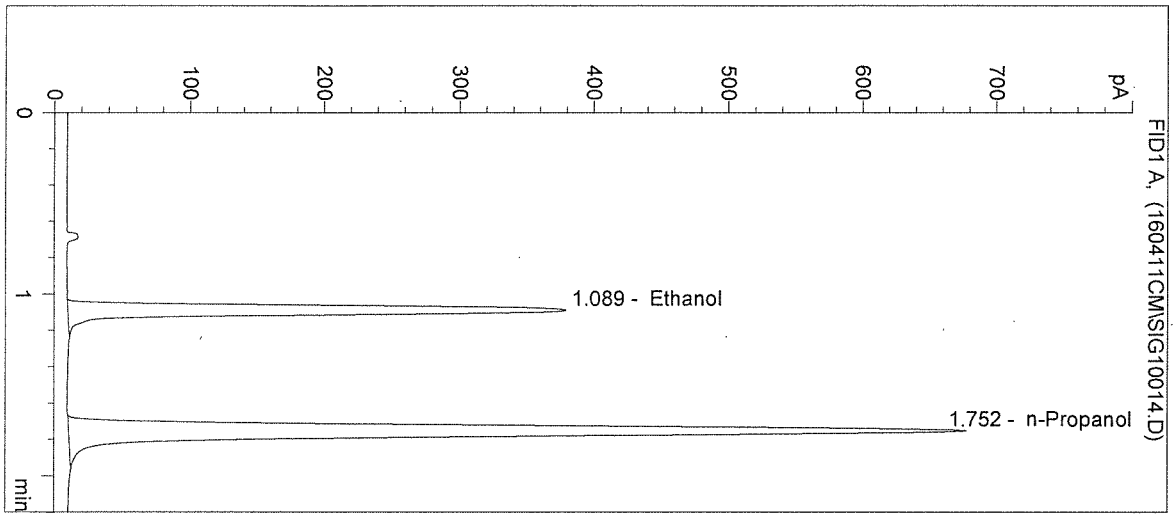


n-Propanol 0.012 g/100mL

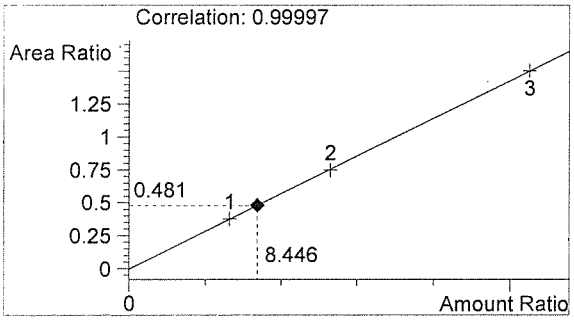
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/11/2016 9:26:07 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

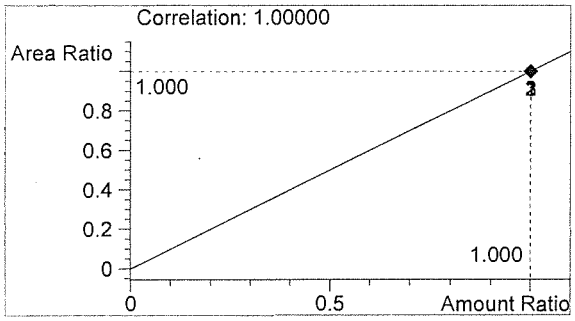
Sample Name: 16011-5
Operator: Christie Mitchell-Mata
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	1258	1.089
2	n-Propanol	2613	1.752



Ethanol 0.101 g/100mL

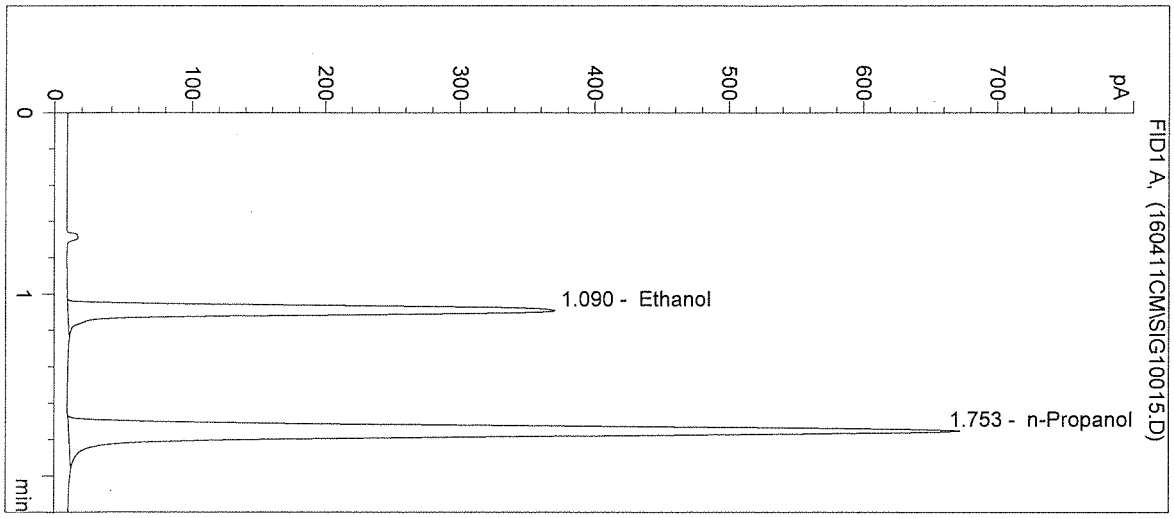


n-Propanol 0.012 g/100mL

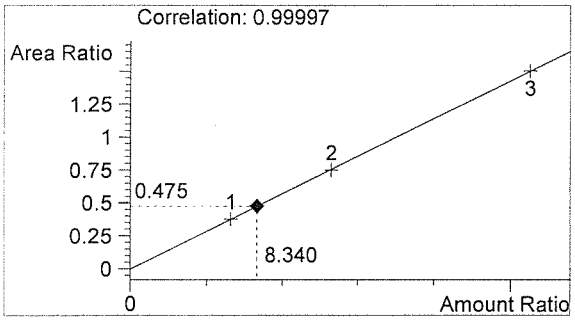
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/11/2016 9:29:20 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

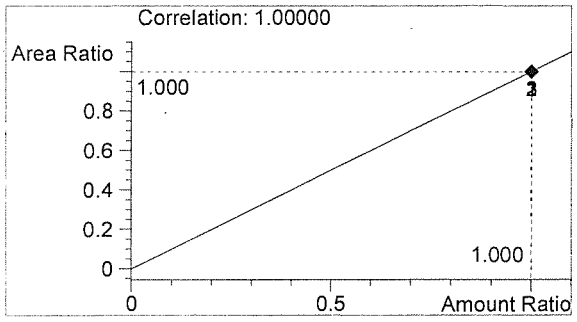
Sample Name: 0.10 CTRL
Operator: Christie Mitchell-Mata
Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	1235	1.090
2	n-Propanol	2599	1.753



Ethanol 0.100 g/100mL

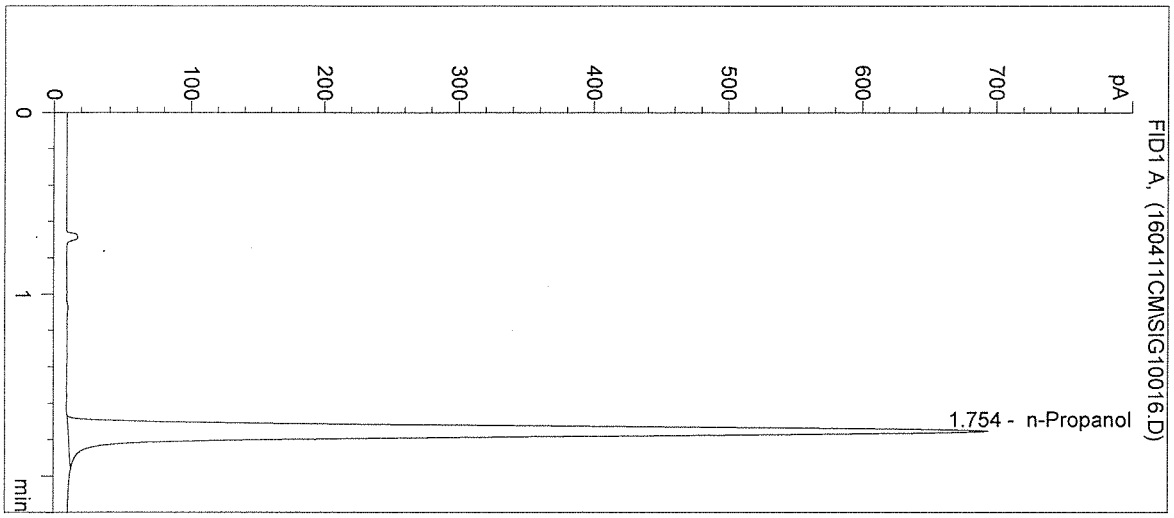


n-Propanol 0.012 g/100mL

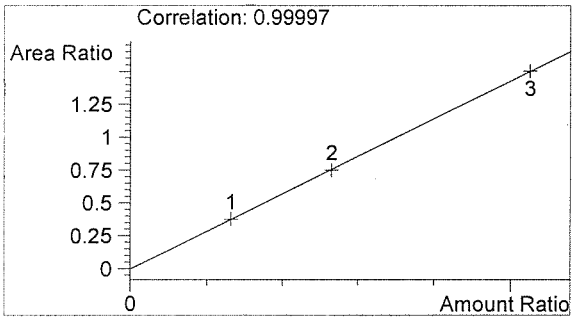
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/11/2016 9:32:33 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

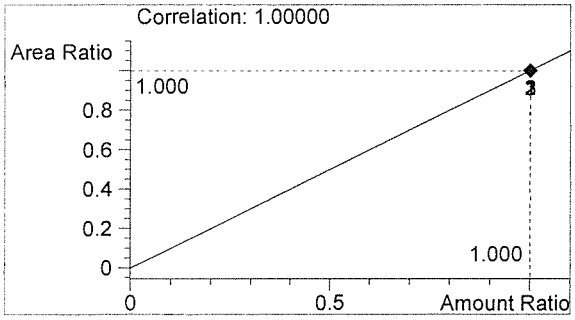
Sample Name: NEG CTRL
Operator: Christie Mitchell-Mata
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2692	1.754



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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:	160408LK
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#P0316 - Exp. 06/29/~~2015~~ 2016 LK 4-8-16

Calibration vials 1-9 filed with 16011.

16011
Fn 4/25/16

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	16011 #1	SIMALC1	1	Sample		
11	Vial 11	16011 #2	SIMALC1	1	Sample		
12	Vial 12	16011 #3	SIMALC1	1	Sample		
13	Vial 13	16011 #4	SIMALC1	1	Sample		
14	Vial 14	16011 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp		
17	Vial 17	16012 #1	SIMALC1	1	Sample		
18	Vial 18	16012 #2	SIMALC1	1	Sample		
19	Vial 19	16012 #3	SIMALC1	1	Sample		
20	Vial 20	16012 #4	SIMALC1	1	Sample		
21	Vial 21	16012 #5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		

LK

Calibration Part:

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

16011

fn 4/26/16

Calibration Table

Calib. Data Modified : Friday, April 08, 2016 1:49:04 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

16011
fm 4/25/16

Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref Grp	Name
1.091	1	1	7.91100e-2	992.64050	7.96965e-5	1	Ethanol
		2	1.59090e-1	1924.26831	8.26756e-5		
		3	3.15200e-1	3823.20093	8.24440e-5		
1.753	1	1	1.20000e-2	2604.75806	4.60695e-6	I1	n-Propanol
		2	1.20000e-2	2561.13330	4.68543e-6		
		3	1.20000e-2	2546.35815	4.71261e-6		

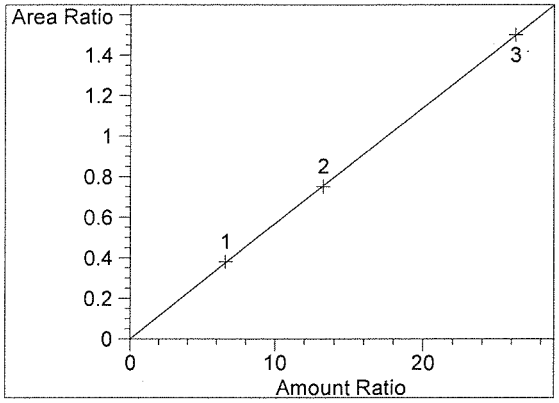
Peak Sum Table

No Entries in table

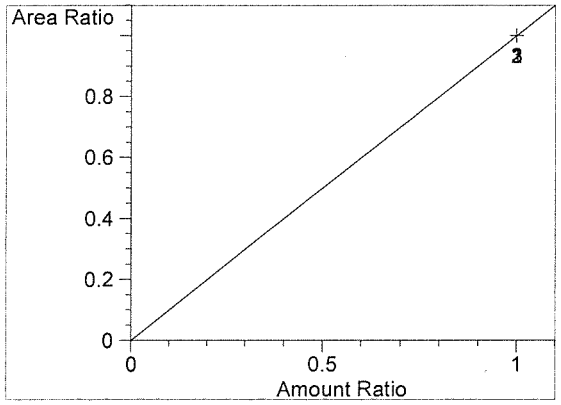
==========

Calibration Curves

==========



Ethanol at exp. RT: 1.091
FID1 A,
Correlation: 0.99998
Residual Std. Dev.: 0.00530
Formula: y = mx + b
m: 5.70761e-2
b: 4.25362e-4
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.753
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

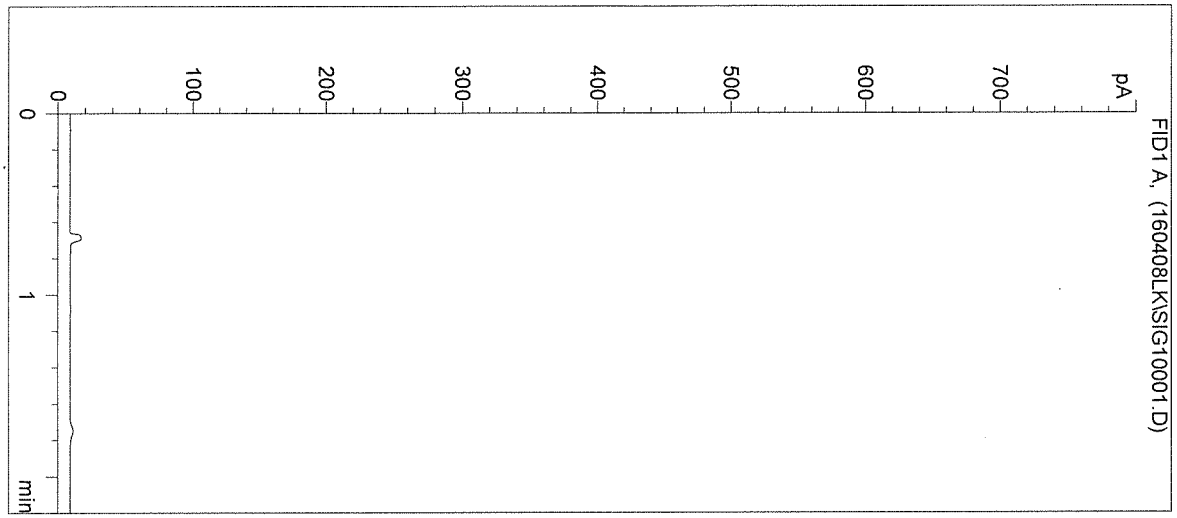
==========

16011
Jm 4/25/16

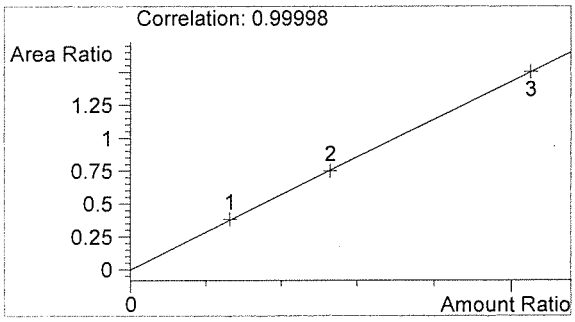
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/8/2016 1:36:58 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

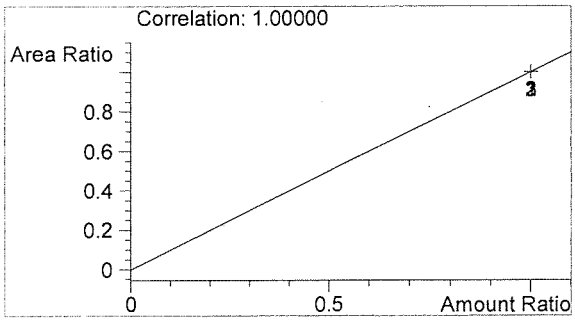
Sample Name: BLANK
Operator: Lyndsey Knoy
Location: Vial 1



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



Ethanol 0.000 g/100mL

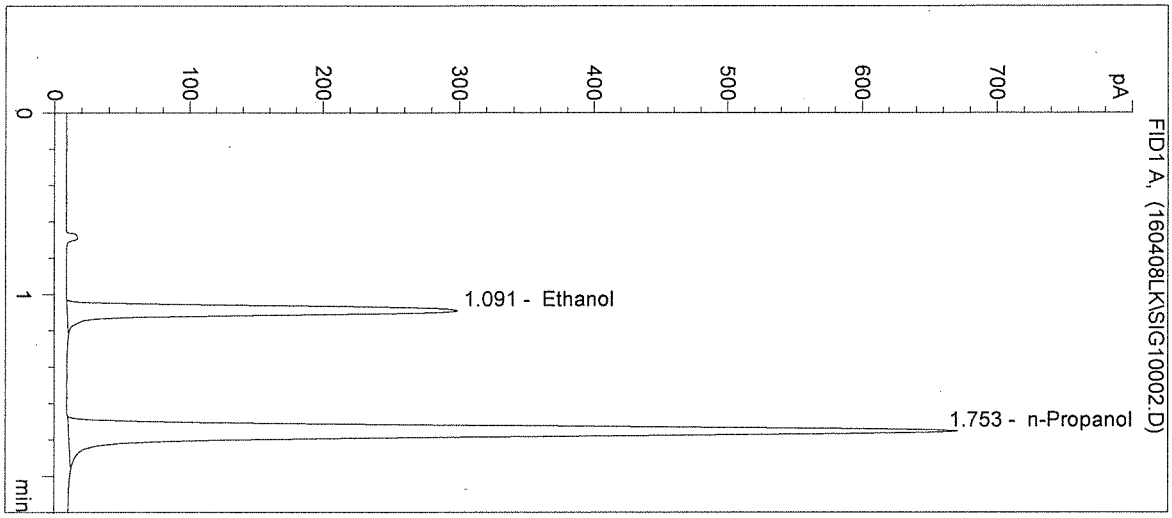


n-Propanol 0.000 g/100mL

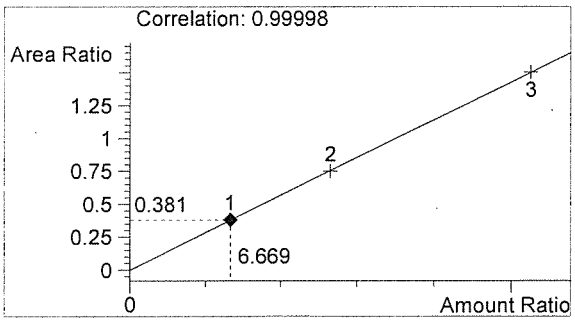
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/8/2016 1:40:17 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

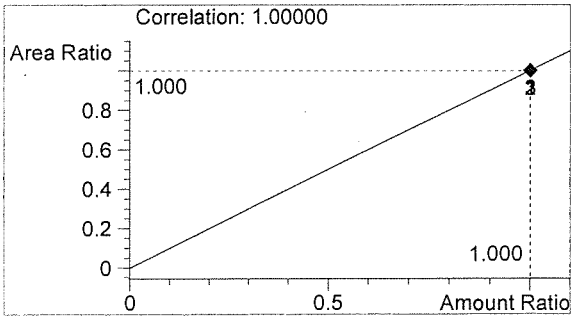
Sample Name: 0.079 CAL 1
Operator: Lyndsey Knoy
Location: Vial 2



#	Compound	Peak Area	RT (min)
1	Ethanol	993	1.091
2	n-Propanol	2605	1.753



Ethanol 0.080 g/100mL



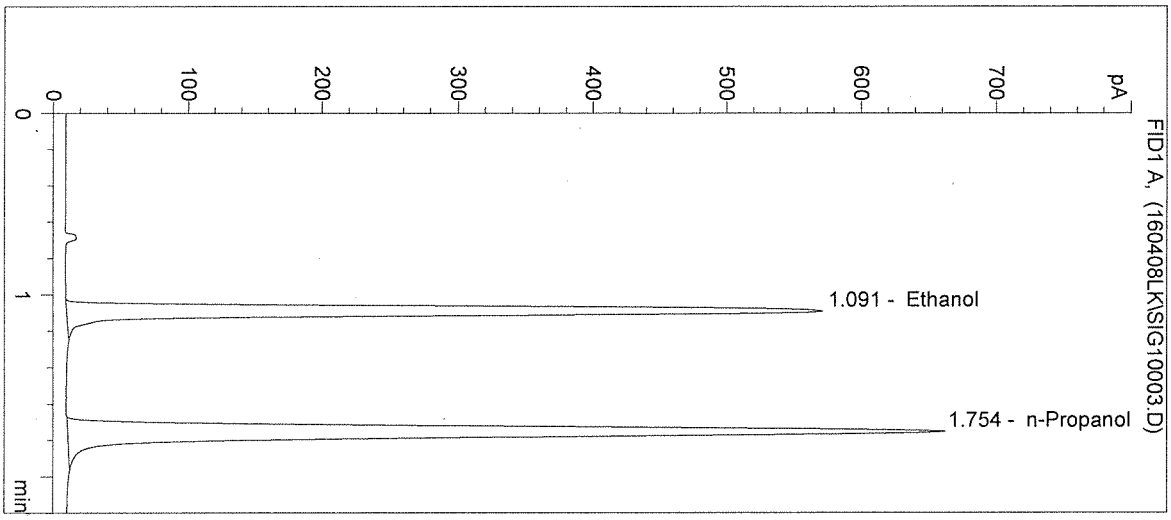
n-Propanol 0.012 g/100mL

LK

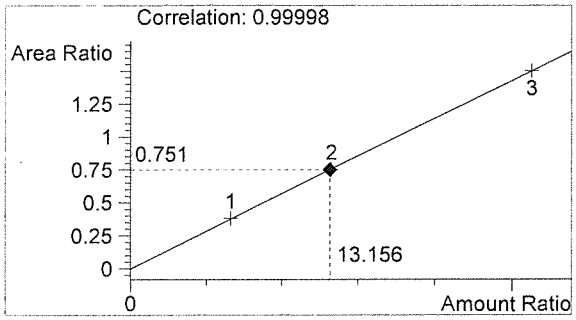
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/8/2016 1:43:33 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

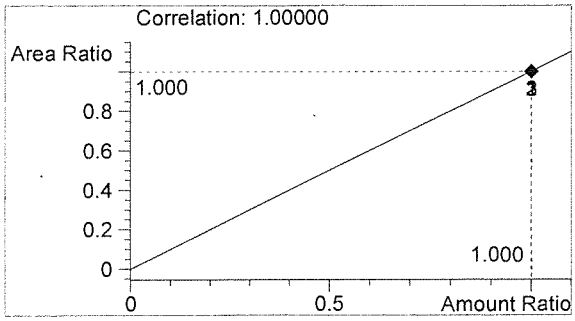
Sample Name: 0.158 CAL 2
Operator: Lyndsey Knoy
Location: Vial 3



#	Compound	Peak Area	RT (min)
1	Ethanol	1924	1.091
2	n-Propanol	2561	1.754



Ethanol 0.158 g/100mL

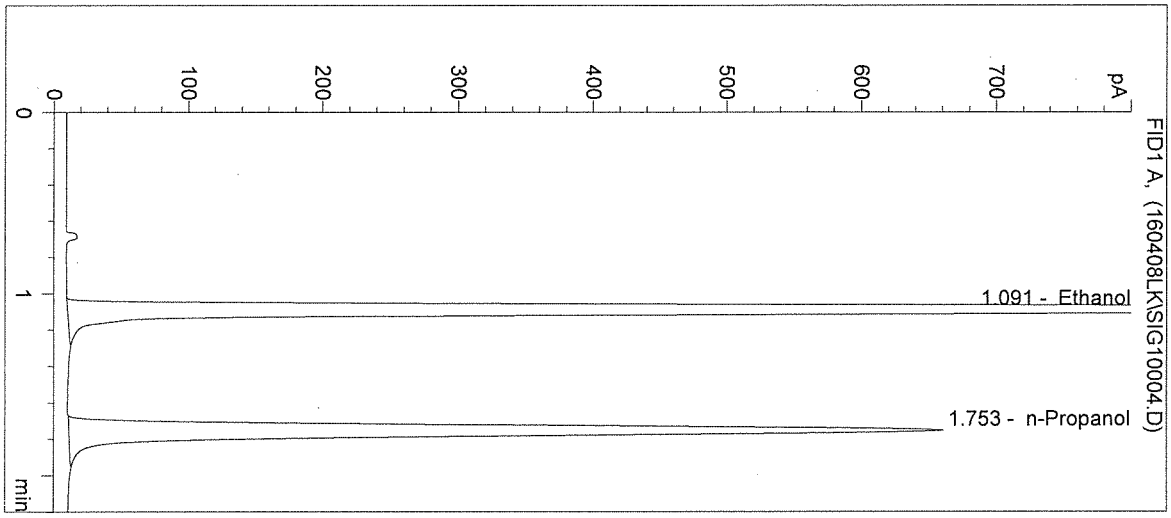


n-Propanol 0.012 g/100mL

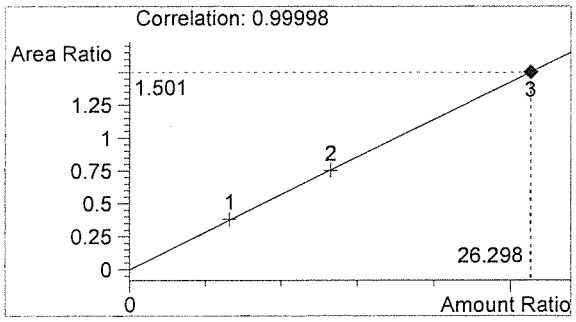
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/8/2016 1:46:51 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

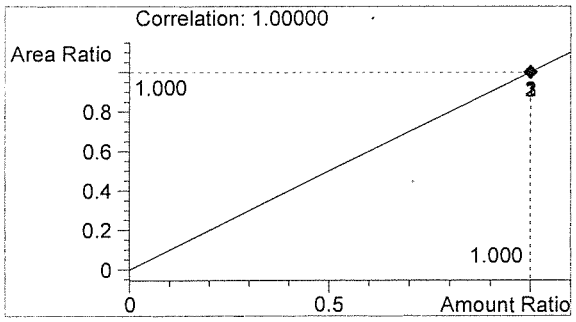
Sample Name: 0.316 CAL 3
Operator: Lyndsey Knoy
Location: Vial 4



#	Compound	Peak Area	RT (min)
1	Ethanol	3823	1.091
2	n-Propanol	2546	1.753



Ethanol 0.316 g/100mL

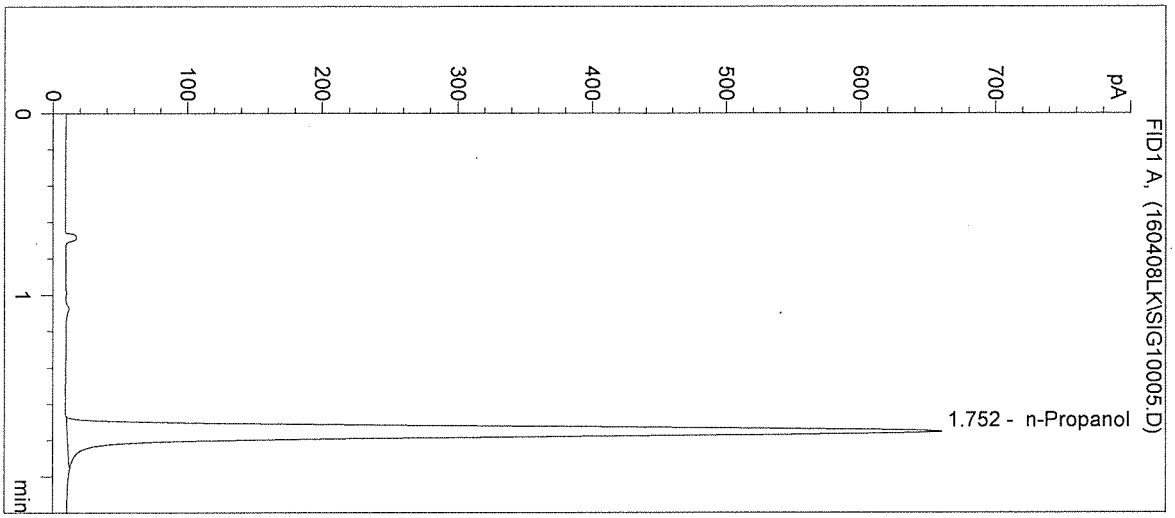


n-Propanol 0.012 g/100mL

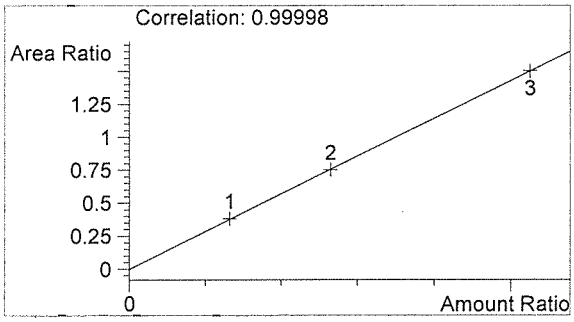
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/8/2016 1:50:04 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

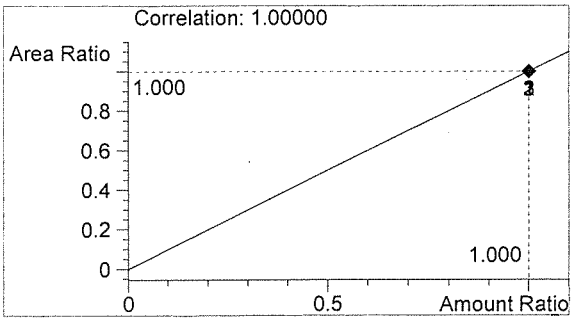
Sample Name: NEG CTRL
Operator: Lyndsey Knoy
Location: Vial 5



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2553	1.752



Ethanol 0.000 g/100mL

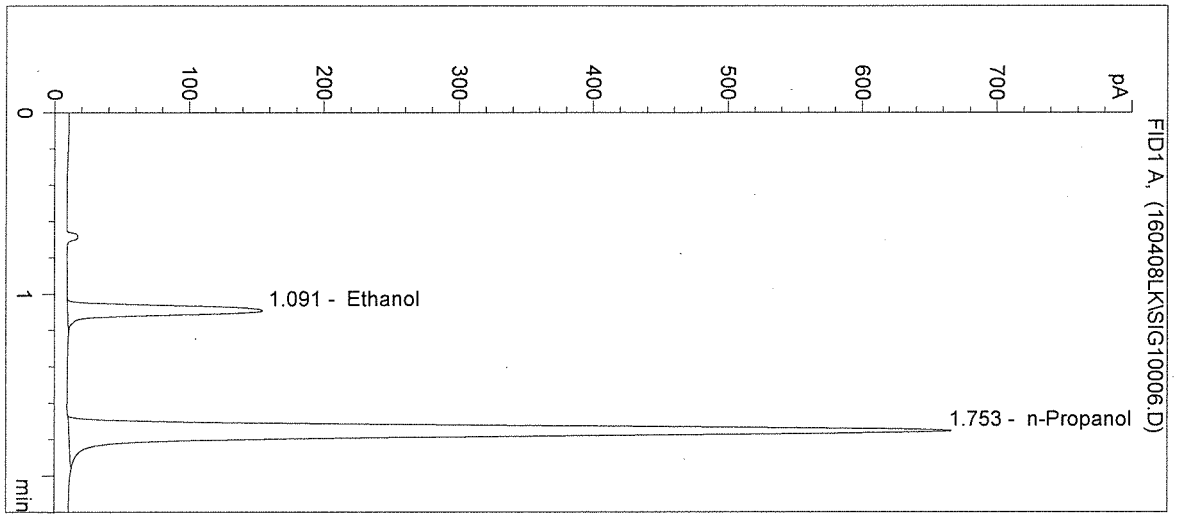


n-Propanol 0.012 g/100mL

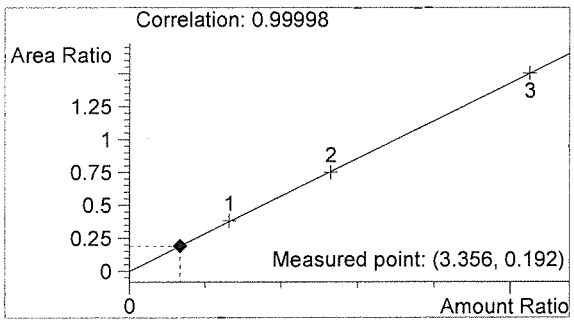
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/8/2016 1:53:17 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

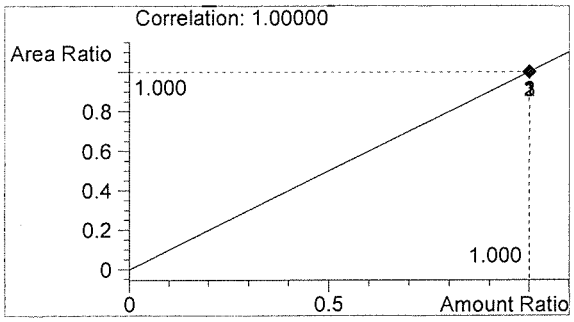
Sample Name: 0.04 CTRL
Operator: Lyndsey Knoy
Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	496	1.091
2	n-Propanol	2582	1.753



Ethanol 0.040 g/100mL



n-Propanol 0.012 g/100mL

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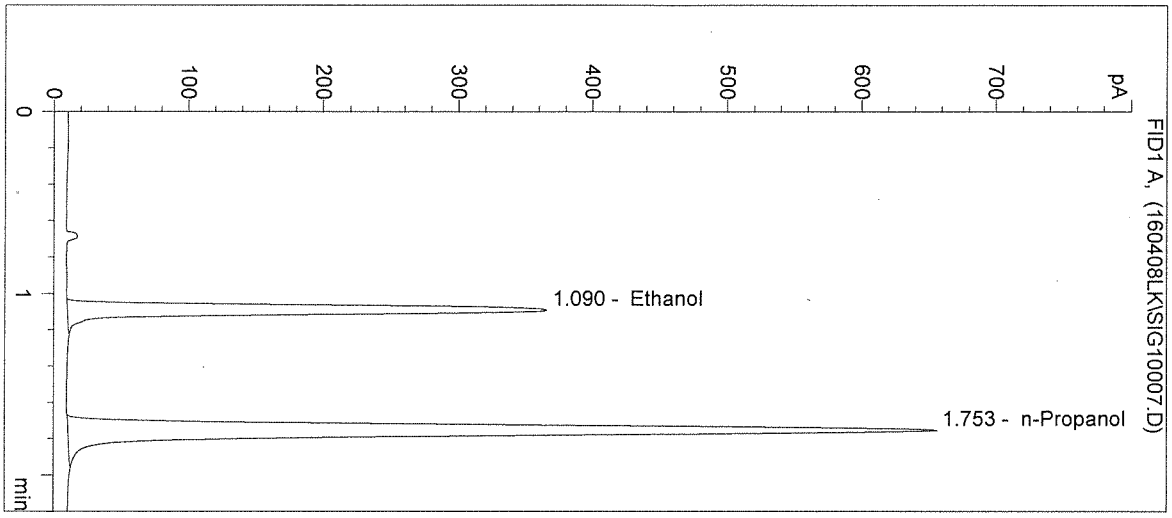
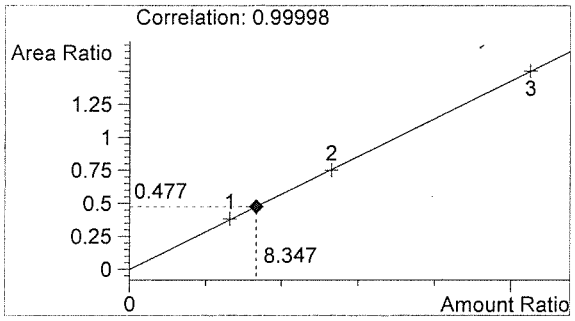
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/8/2016 1:56:31 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

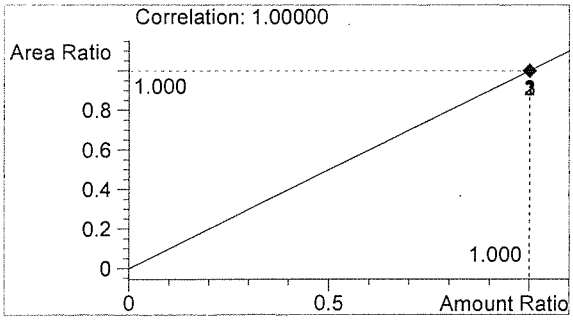
Sample Name: 0.10 CTRL
Operator: Lyndsey Knoy
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	1210	1.090
2	n-Propanol	2538	1.753



Ethanol 0.100 g/100mL



n-Propanol 0.012 g/100mL

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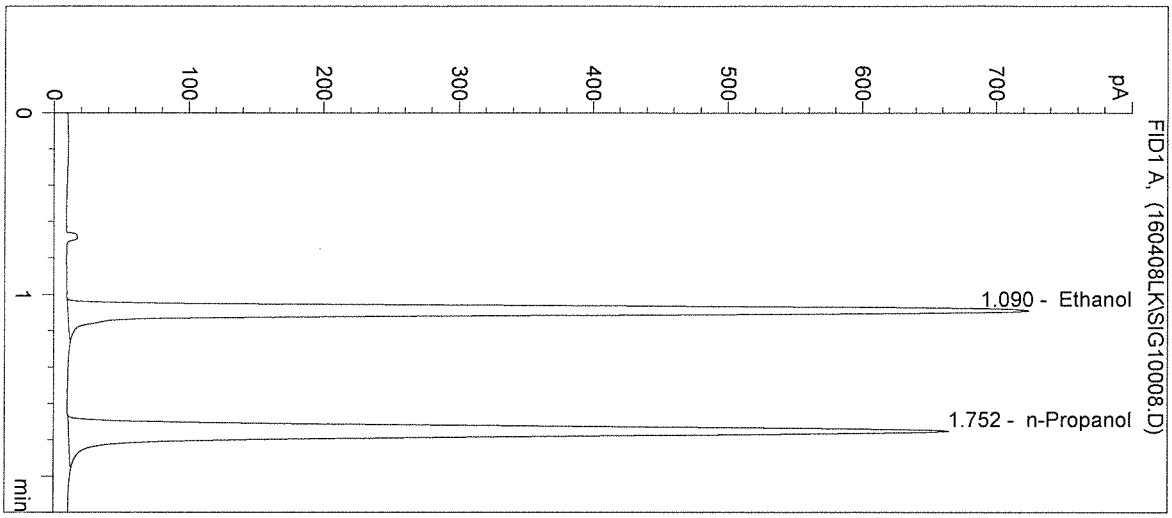
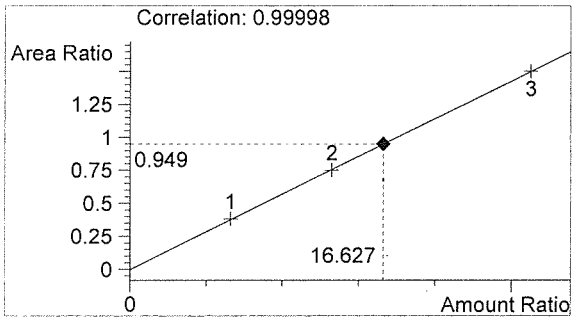
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/8/2016 1:59:44 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

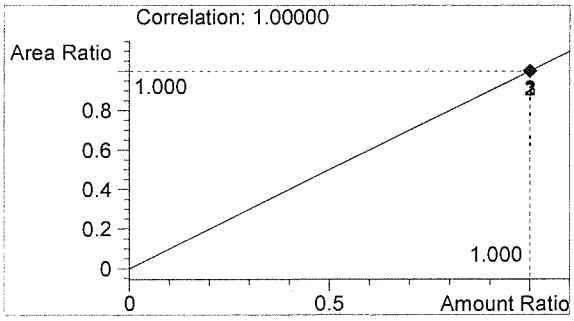
Sample Name: 0.20 CTRL
Operator: Lyndsey Knoy
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	2442	1.090
2	n-Propanol	2572	1.752



Ethanol 0.200 g/100mL



n-Propanol 0.012 g/100mL

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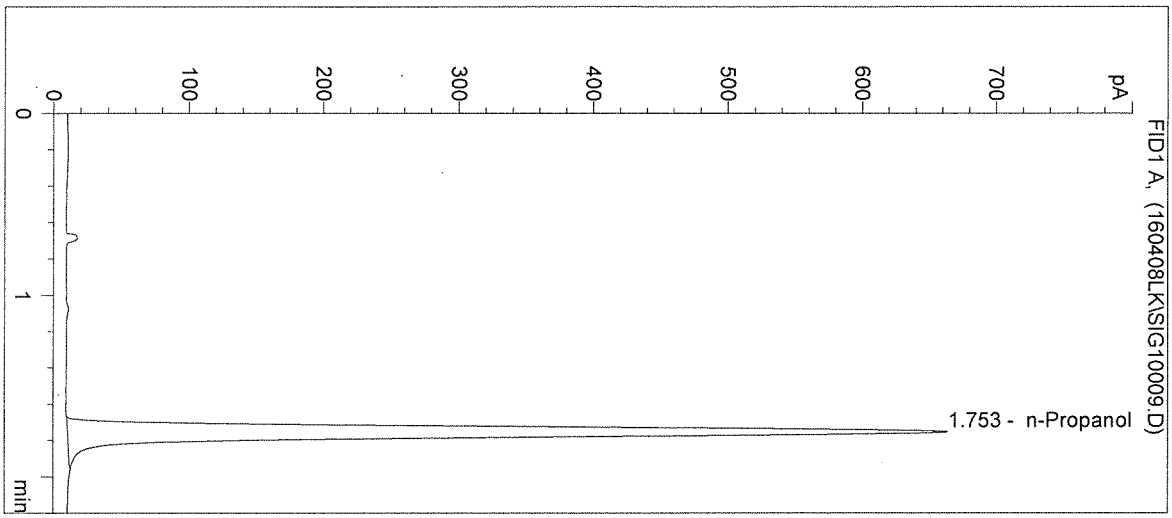
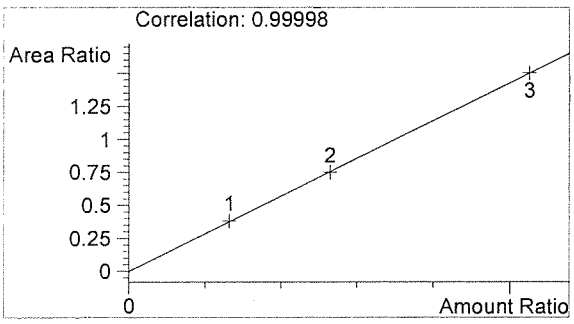
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/8/2016 2:02:57 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

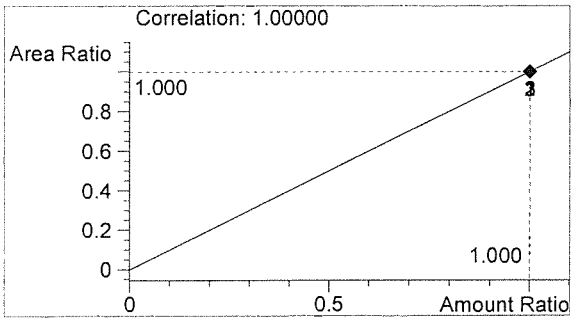
Sample Name: NEG CTRL
Operator: Lyndsey Knoy
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2571	1.753



Ethanol 0.000 g/100mL

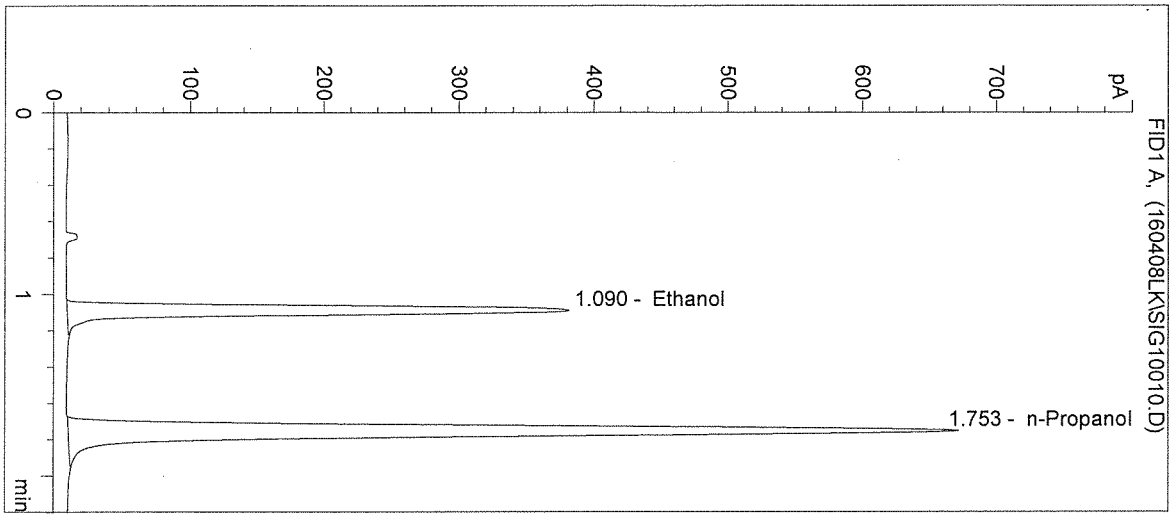


n-Propanol 0.012 g/100mL

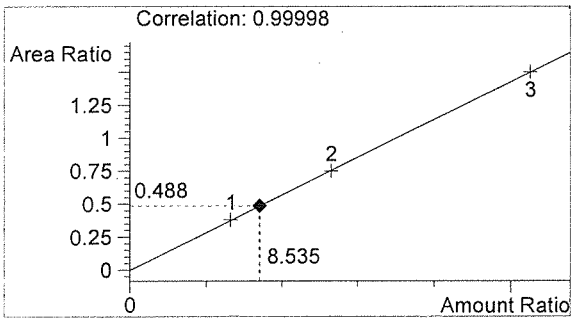
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/8/2016 2:06:10 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

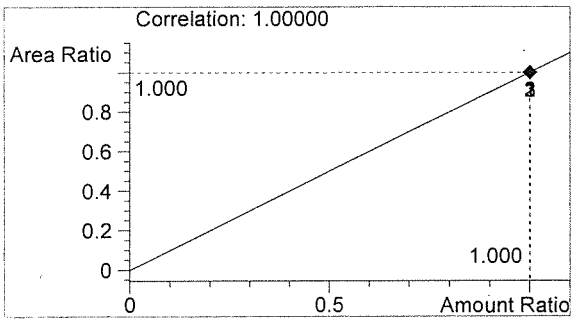
Sample Name: 16011 #1
Operator: Lyndsey Knoy
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	1265	1.090
2	n-Propanol	2594	1.753



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

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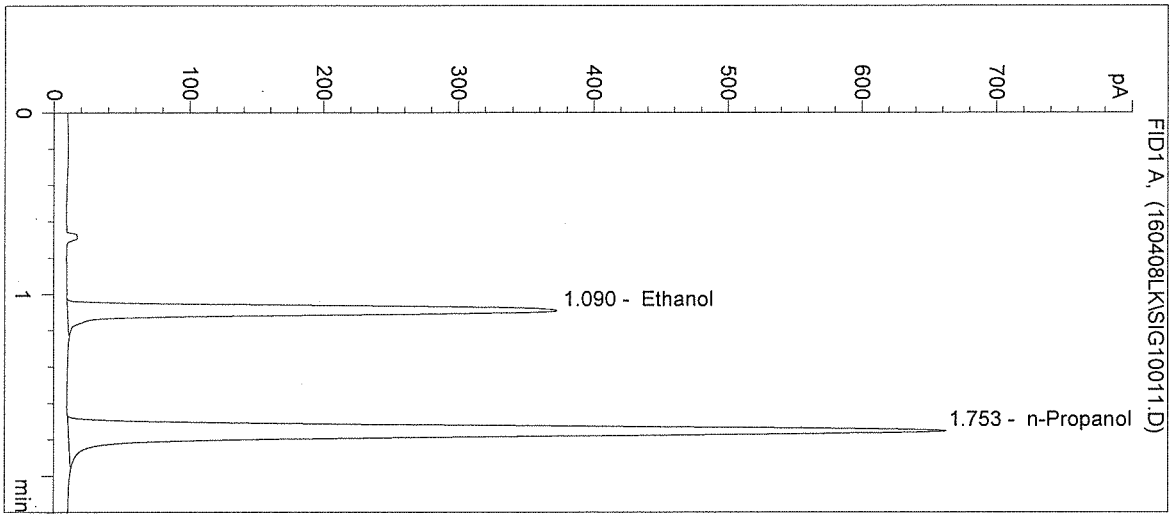
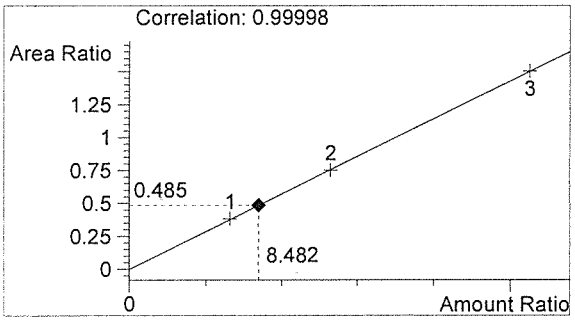
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/8/2016 2:09:24 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

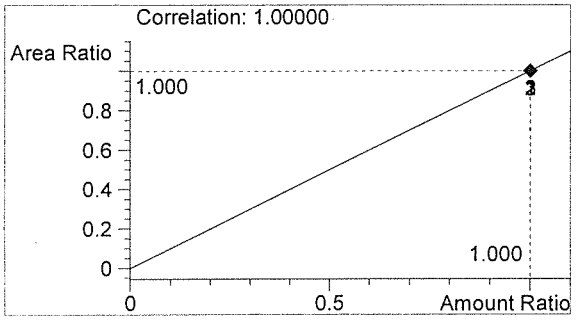
Sample Name: 16011 #2
Operator: Lyndsey Knoy
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	1244	1.090
2	n-Propanol	2567	1.753



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

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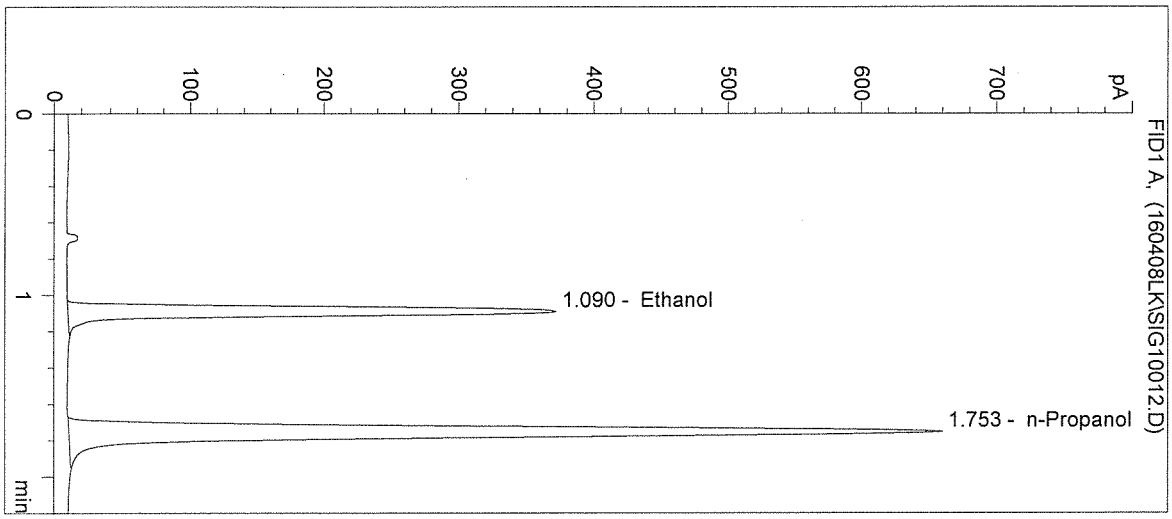
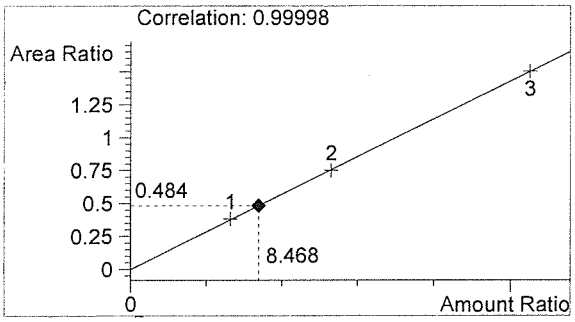
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/8/2016 2:12:37 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

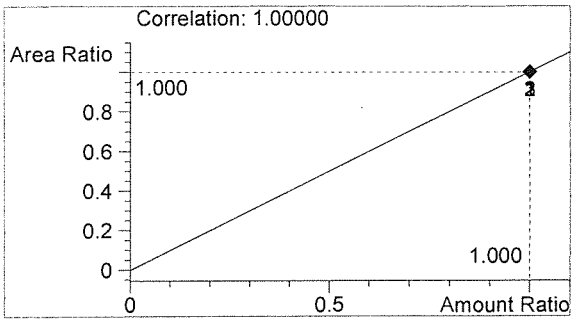
Sample Name: 16011 #3
Operator: Lyndsey Knoy
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	1237	1.090
2	n-Propanol	2556	1.753



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

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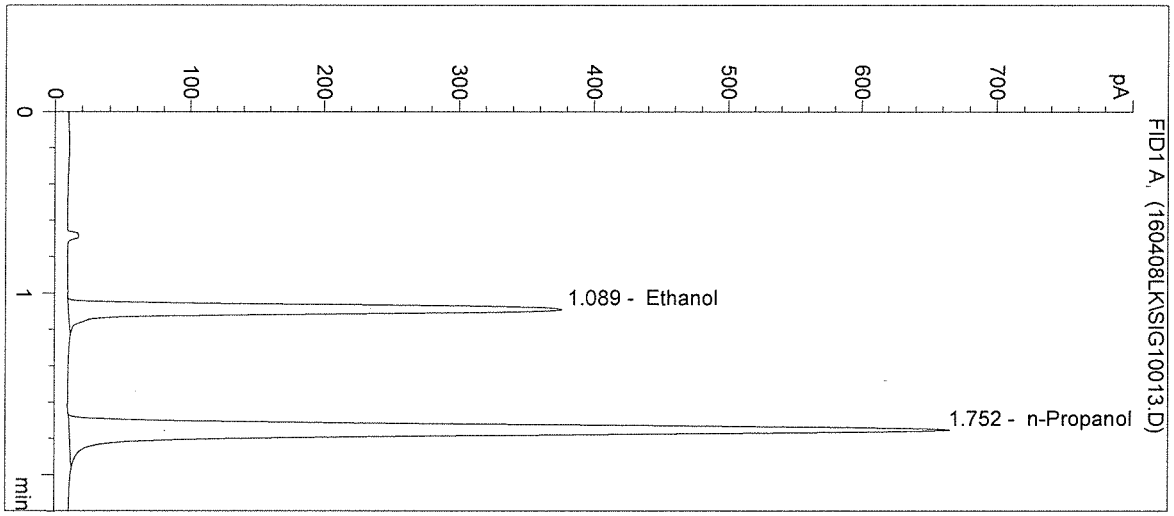
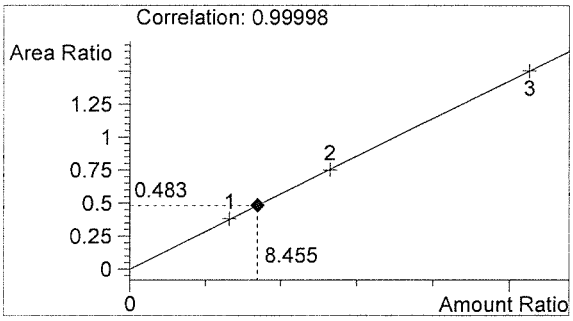
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/8/2016 2:15:50 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

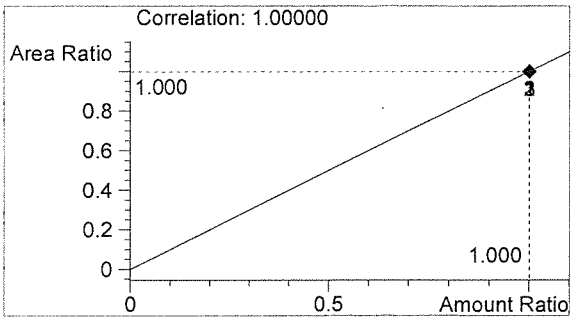
Sample Name: 16011 #4
Operator: Lyndsey Knoy
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	1240	1.089
2	n-Propanol	2566	1.752



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

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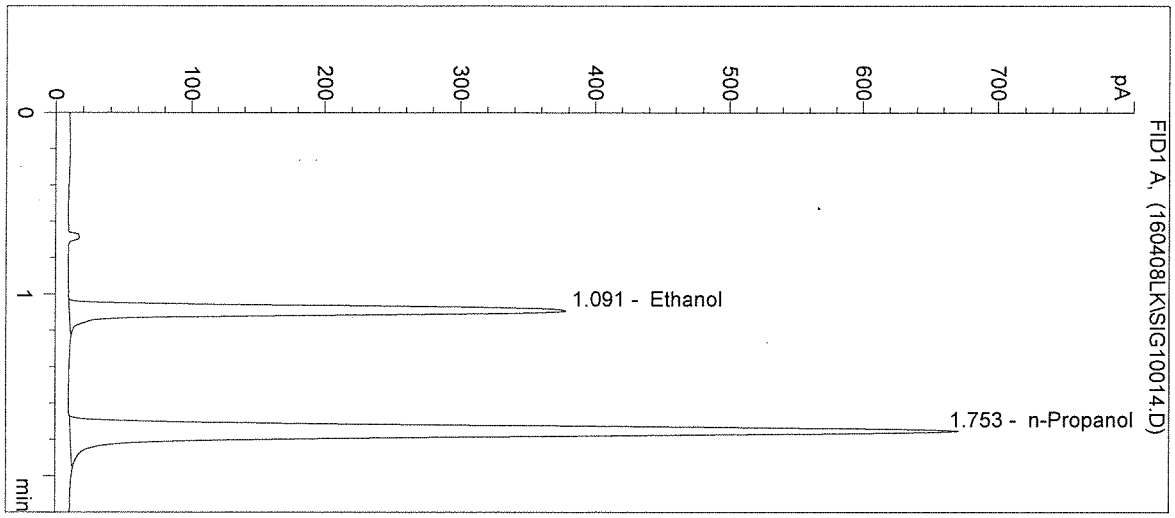
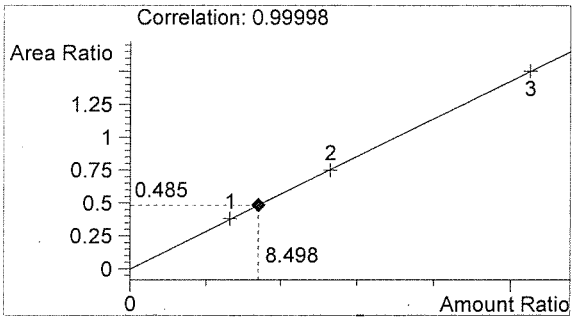
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/8/2016 2:19:04 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

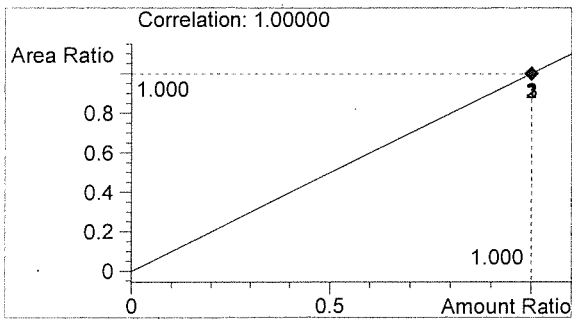
Sample Name: 16011 #5
Operator: Lyndsey Knoy
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	1264	1.091
2	n-Propanol	2604	1.753



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

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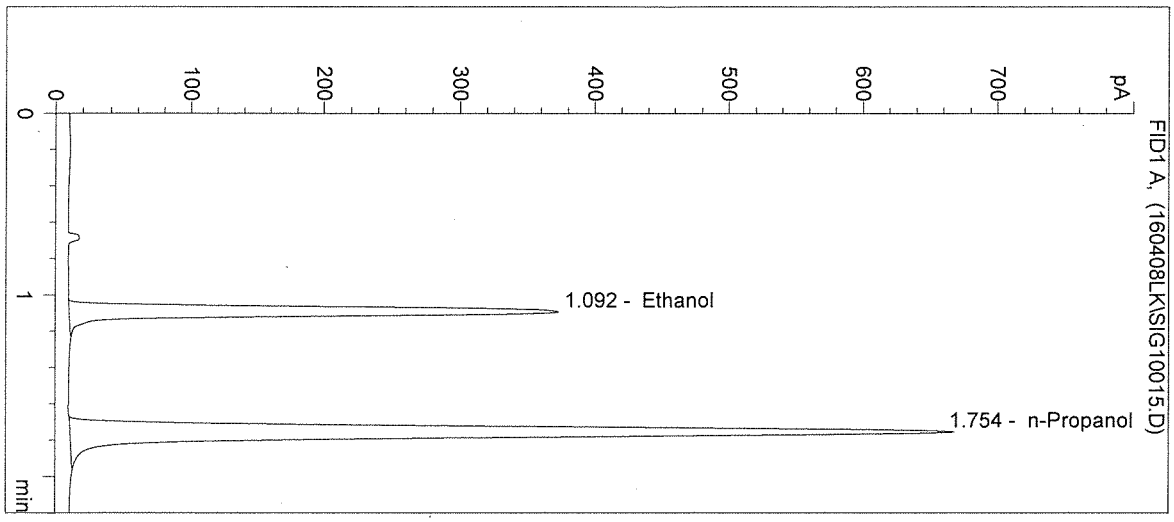
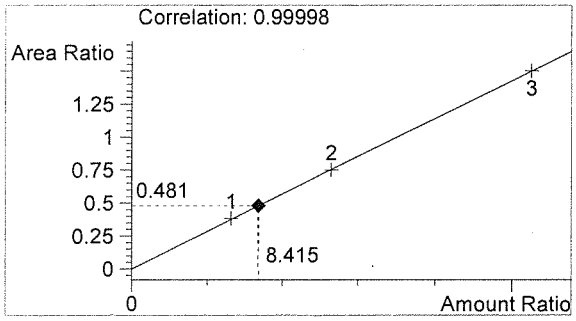
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/8/2016 2:22:17 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

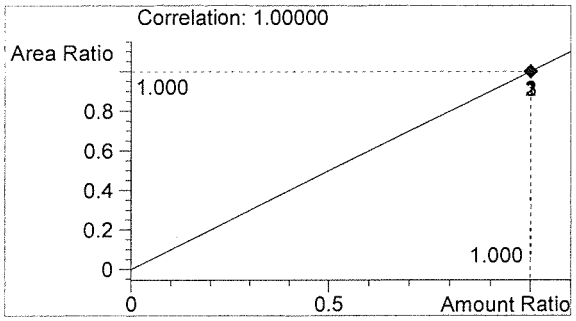
Sample Name: 0.10 CTRL
Operator: Lyndsey Knoy
Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	1248	1.092
2	n-Propanol	2596	1.754



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

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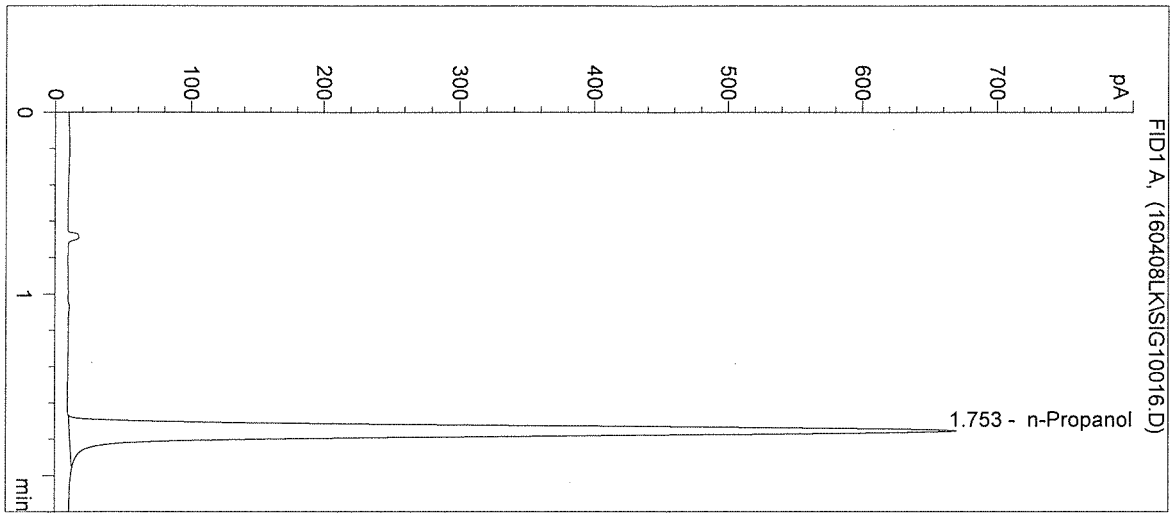
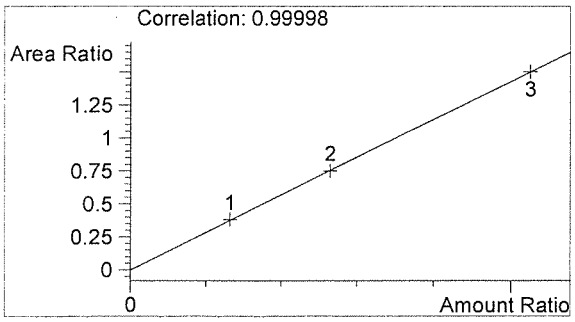
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/8/2016 2:25:30 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

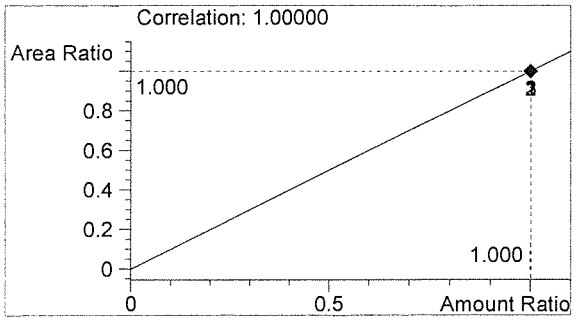
Sample Name: NEG CTRL
Operator: Lyndsey Knoy
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2589	1.753



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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

Sequence Parameters:

Operator:	Justin Knoy
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	160411JK
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#P0316 - Exp. 06/29/2016

Calibration vials 1-9 filed with 16011.

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	16011-1	SIMALC1	1	Sample		16011
11	Vial 11	16011-2	SIMALC1	1	Sample		
12	Vial 12	16011-3	SIMALC1	1	Sample		
13	Vial 13	16011-4	SIMALC1	1	Sample		
14	Vial 14	16011-5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp		
17	Vial 17	16012-1	SIMALC1	1	Sample		
18	Vial 18	16012-2	SIMALC1	1	Sample		
19	Vial 19	16012-3	SIMALC1	1	Sample		
20	Vial 20	16012-4	SIMALC1	1	Sample		
21	Vial 21	16012-5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		

Calibration Part:

JK

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

16011

Jn 4/25/16

JK

Calibration Table

Calib. Data Modified : Monday, April 11, 2016 3:13:59 PM

Calculate : Internal Standard
Based on : Peak Area

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

Curve Type : Linear
Origin : Included
Weight : Equal

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

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

Sample ISTD Information:

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

Signal 1: FID1 A,

RetTime [min]	Sig	Lvl	Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.091	1	1	7.91100e-2	988.92322	7.99961e-5	1		Ethanol
		2	1.59090e-1	1976.22644	8.05019e-5			
		3	3.15200e-1	3890.85938	8.10104e-5			
1.753	1	1	1.20000e-2	2608.15527	4.60095e-6	I1		n-Propanol
		2	1.20000e-2	2609.97046	4.59775e-6			
		3	1.20000e-2	2585.57227	4.64114e-6			

16011
4/25/16

Peak Sum Table

No Entries in table

JL

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Calibration Curves

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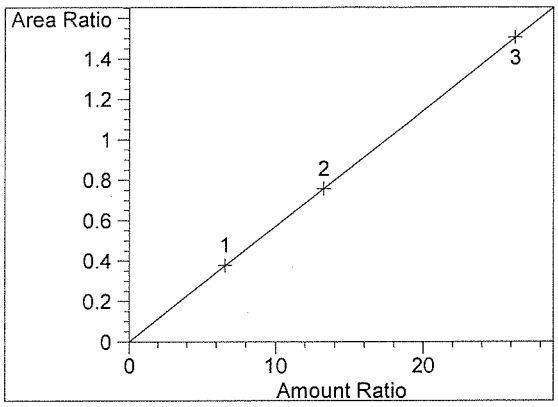
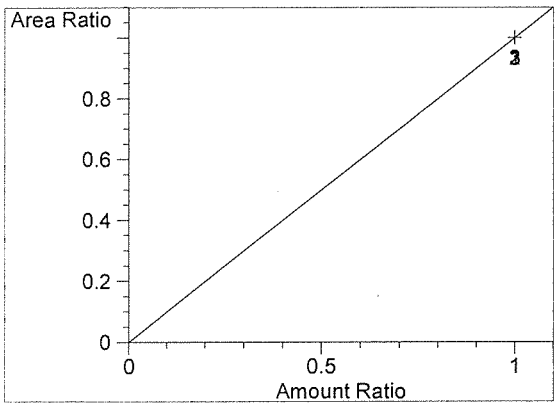


Ethanol at exp. RT: 1.091
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00189
Formula: y = mx + b
m: 5.72606e-2
b: 1.28998e-4
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.753
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

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16011

Jn 4/25/16

JR

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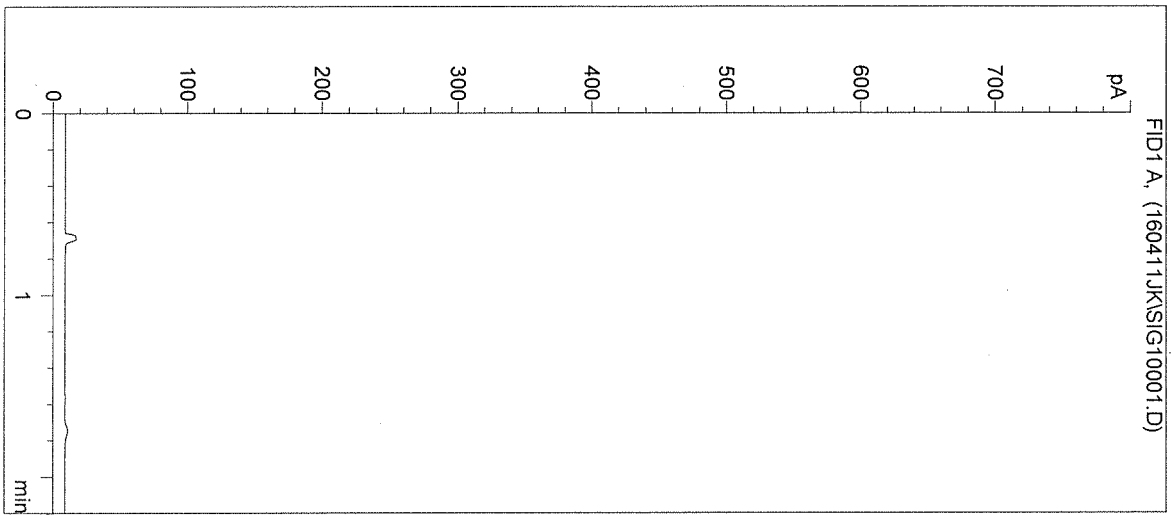
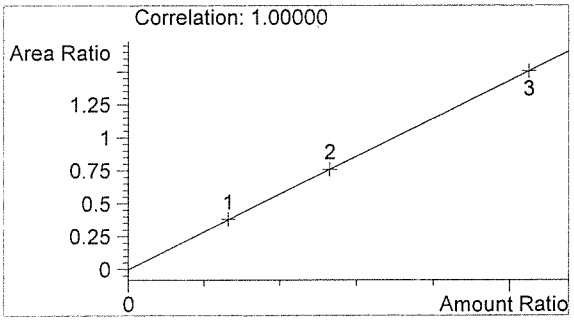
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/11/2016 3:01:55 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

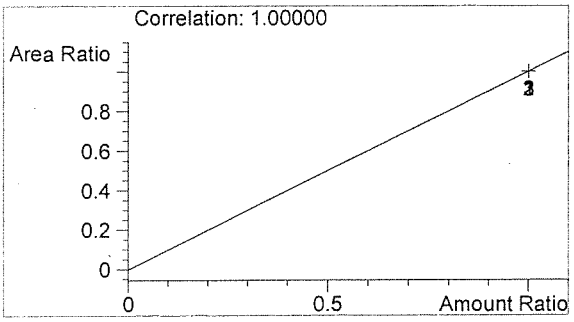
Sample Name: BLANK
Operator: Justin Knoy
Location: Vial 1



#	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

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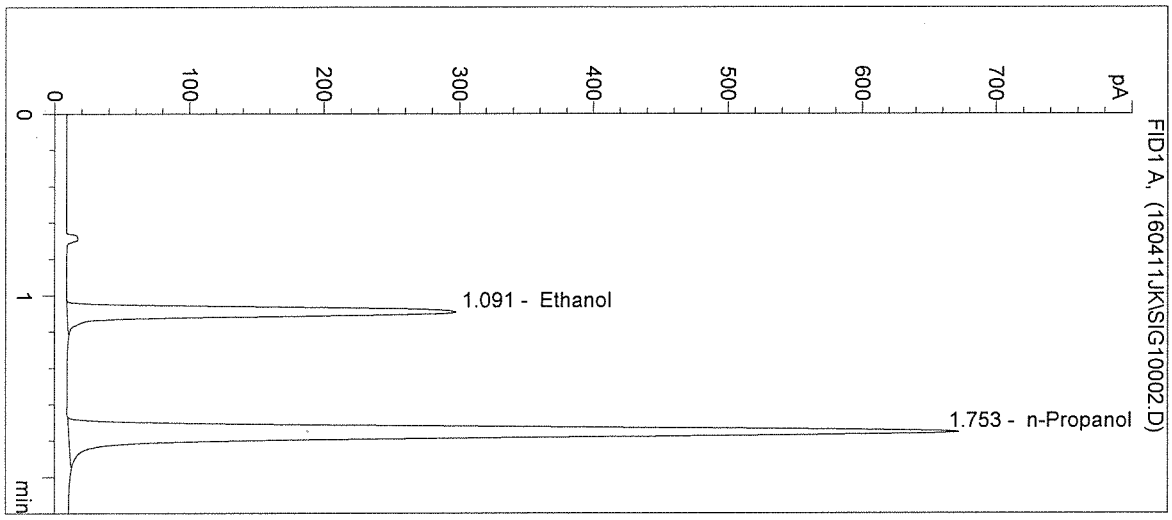
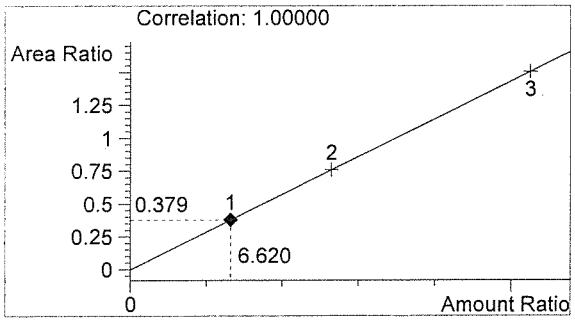
Inj. Date: 4/11/2016 3:05:13 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

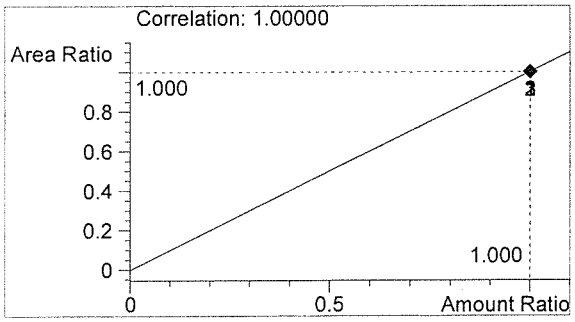
Sample Name: 0.079 CAL 1
Operator: Justin Knoy
Location: Vial 2



#	Compound	Peak Area	RT (min)
1	Ethanol	989	1.091
2	n-Propanol	2608	1.753



Ethanol 0.079 g/100mL



n-Propanol 0.012 g/100mL

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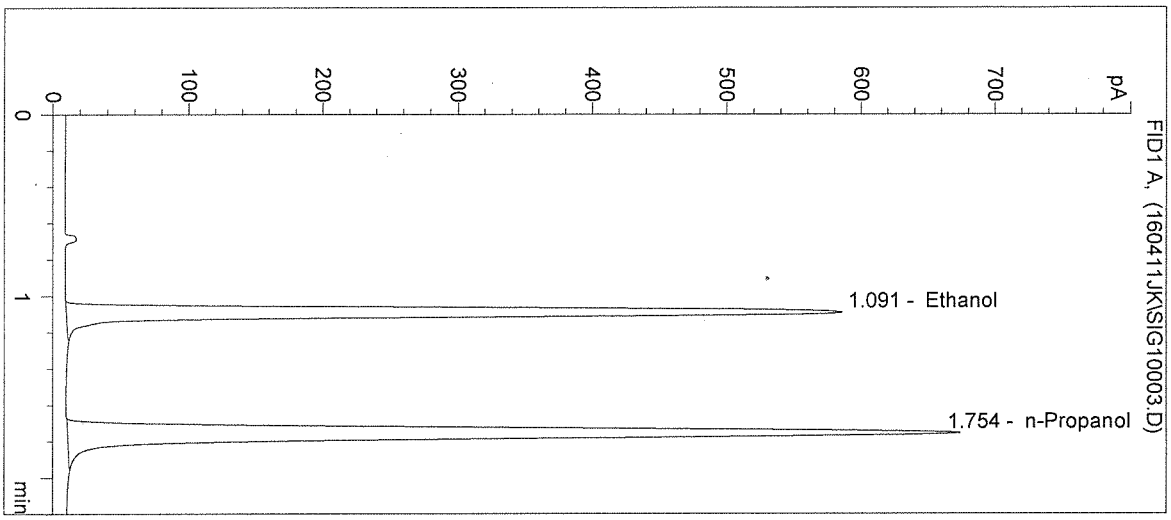
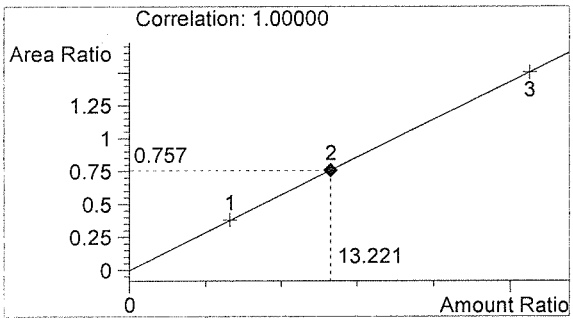
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/11/2016 3:08:28 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

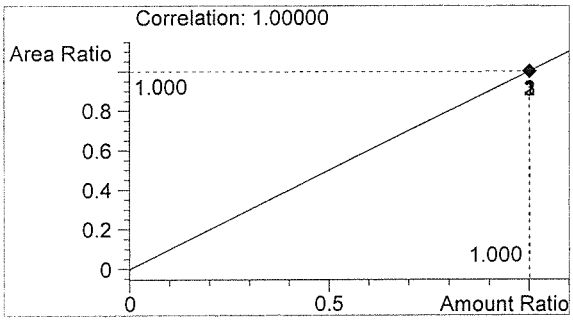
Sample Name: 0.158 CAL 2
Operator: Justin Knoy
Location: Vial 3



#	Compound	Peak Area	RT (min)
1	Ethanol	1976	1.091
2	n-Propanol	2610	1.754



Ethanol 0.159 g/100mL



n-Propanol 0.012 g/100mL

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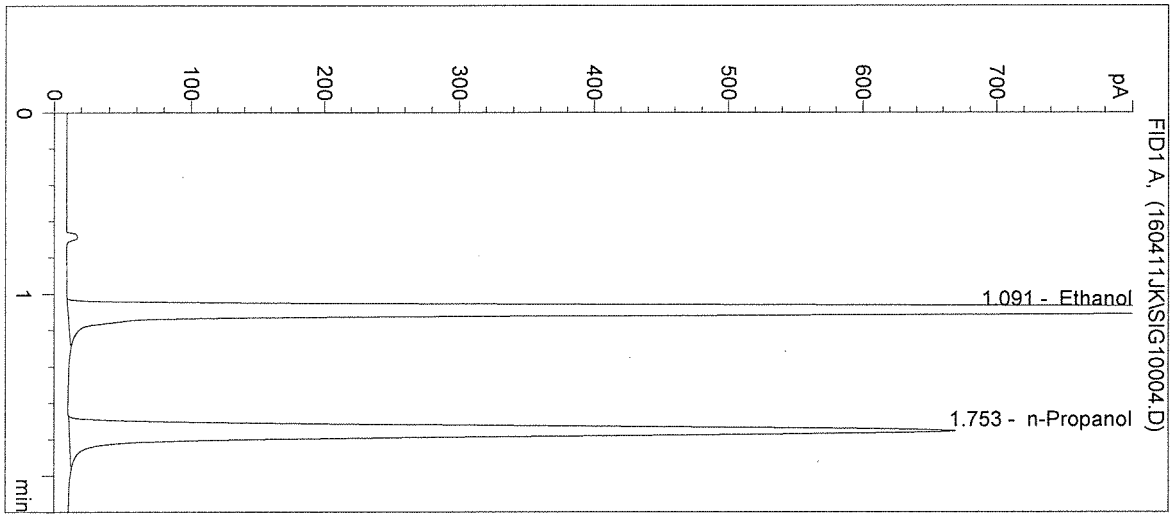
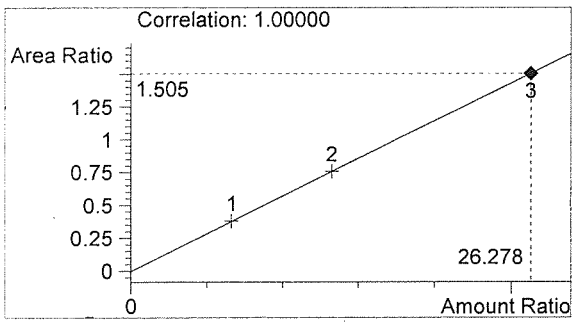
Inj. Date: 4/11/2016 3:11:46 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

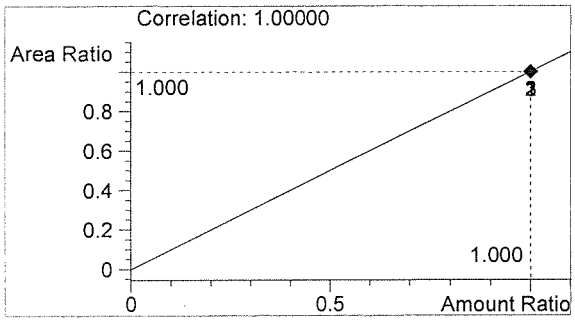
Sample Name: 0.316 CAL 3
Operator: Justin Knoy
Location: Vial 4



#	Compound	Peak Area	RT (min)
1	Ethanol	3891	1.091
2	n-Propanol	2586	1.753



Ethanol 0.315 g/100mL



n-Propanol 0.012 g/100mL

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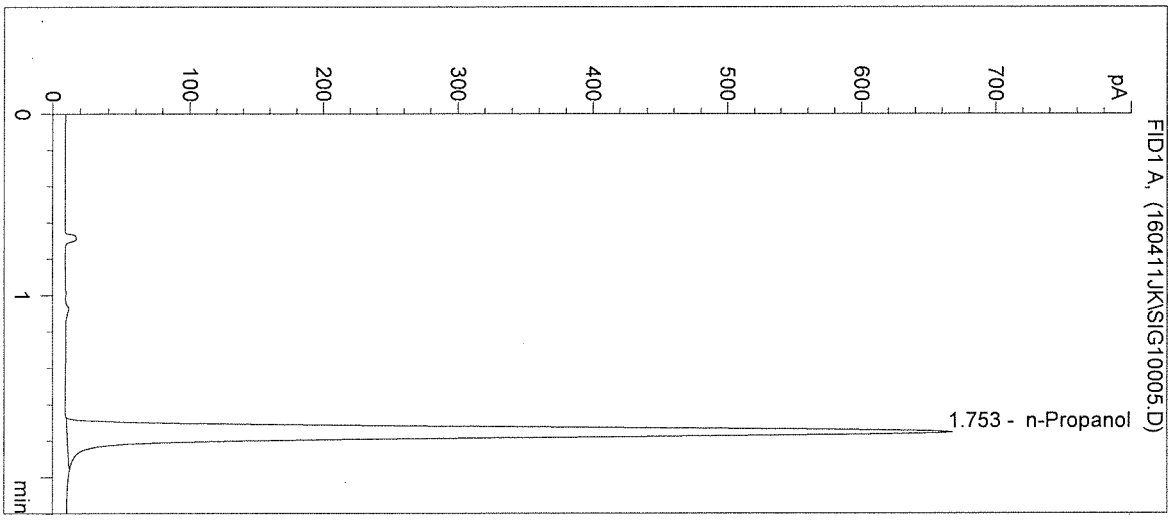
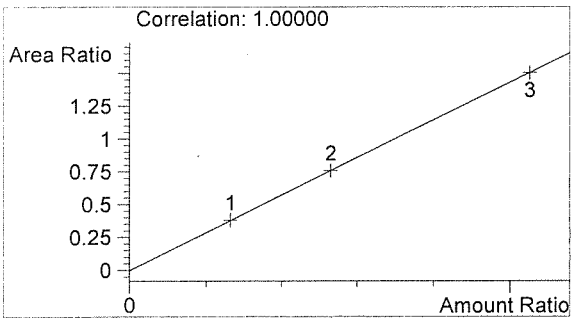
Inj. Date: 4/11/2016 3:14:59 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

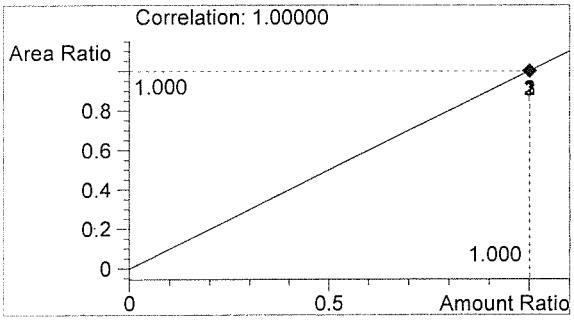
Sample Name: NEG CTRL
Operator: Justin Knoy
Location: Vial 5



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2591	1.753



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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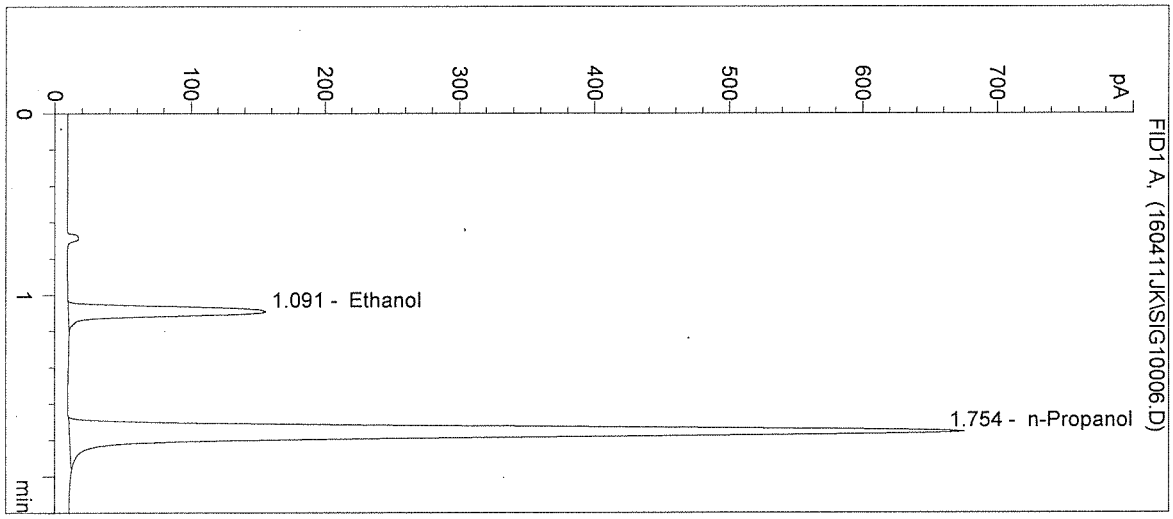
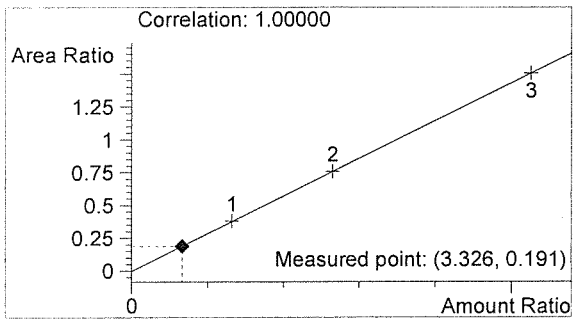
Inj. Date: 4/11/2016 3:18:12 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

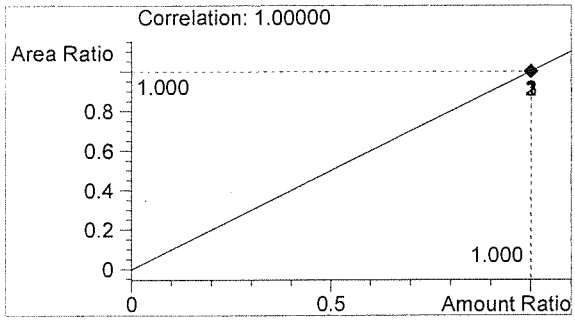
Sample Name: 0.04 CTRL
Operator: Justin Knoy
Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	499	1.091
2	n-Propanol	2620	1.754



Ethanol 0.040 g/100mL



n-Propanol 0.012 g/100mL

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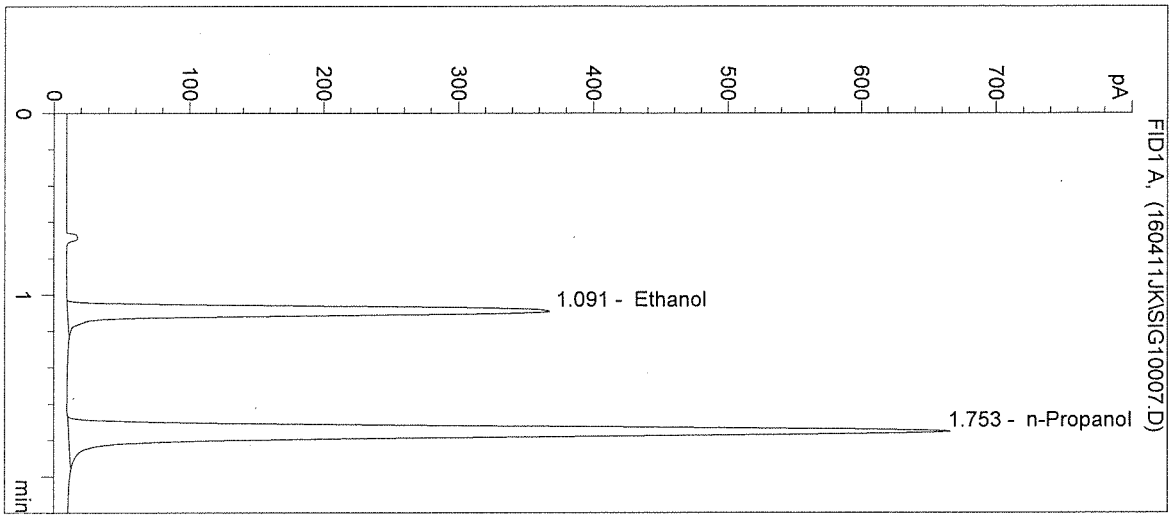
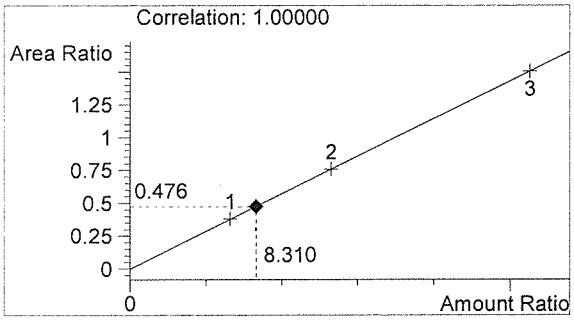
Inj. Date: 4/11/2016 3:21:25 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

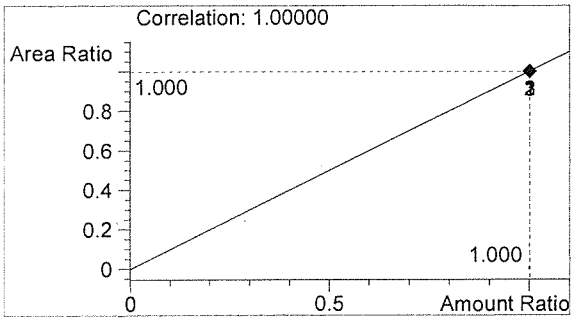
Sample Name: 0.10 CTRL
Operator: Justin Knoy
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	1228	1.091
2	n-Propanol	2579	1.753



Ethanol 0.100 g/100mL



n-Propanol 0.012 g/100mL

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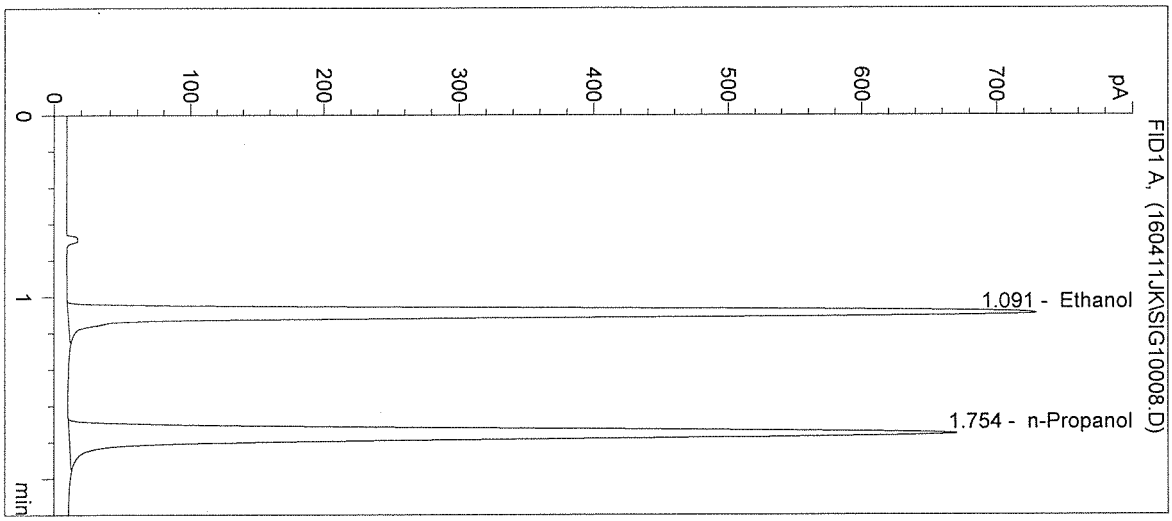
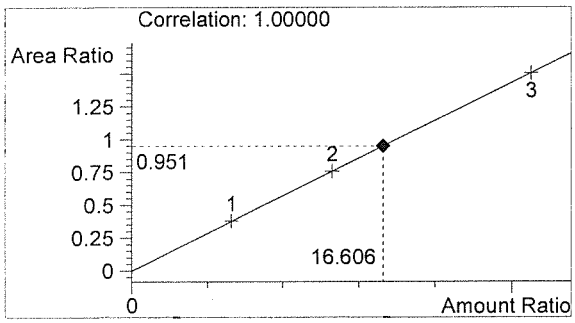
Inj. Date: 4/11/2016 3:24:39 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

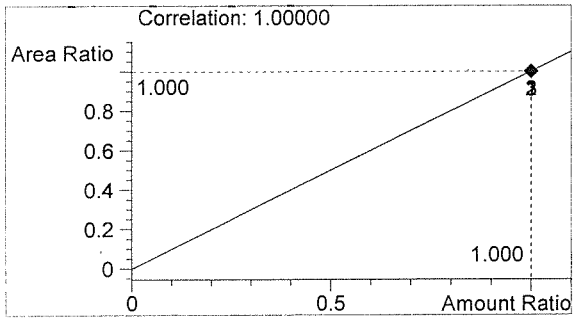
Sample Name: 0.20 CTRL
Operator: Justin Knoy
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	2475	1.091
2	n-Propanol	2603	1.754



Ethanol 0.199 g/100mL



n-Propanol 0.012 g/100mL

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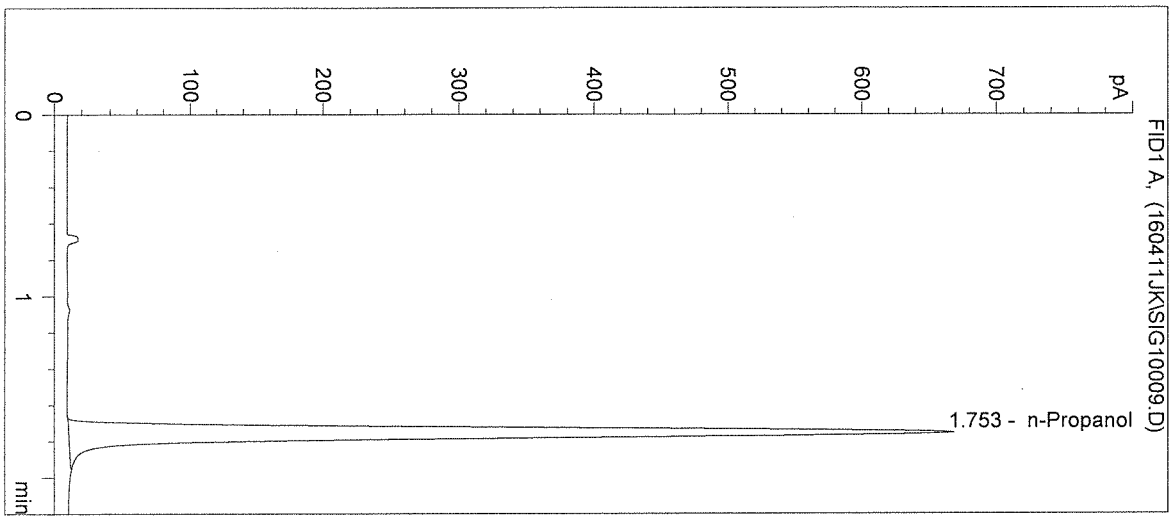
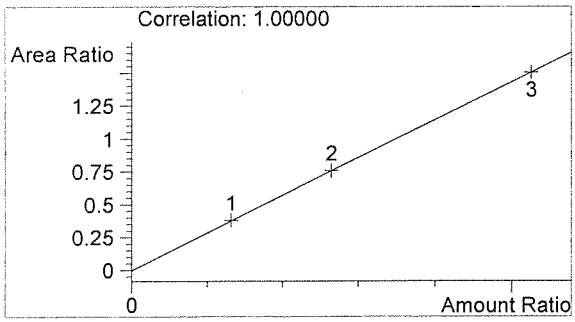
Inj. Date: 4/11/2016 3:27:52 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

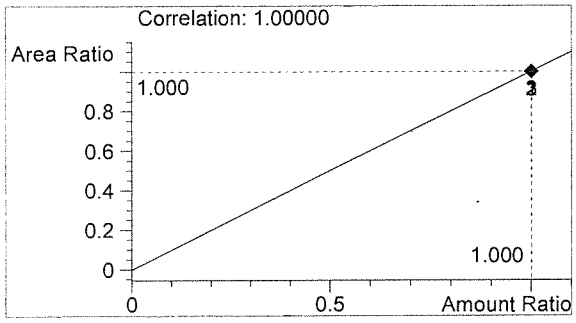
Sample Name: NEG CTRL
Operator: Justin Knoy
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2585	1.753



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

JR

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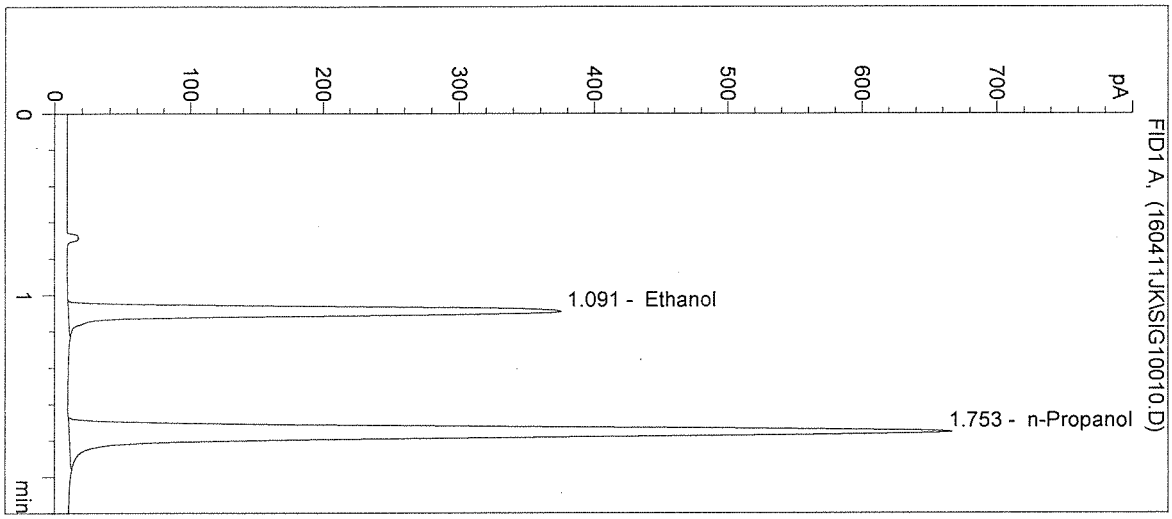
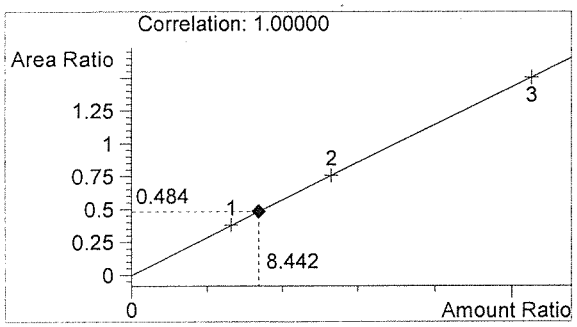
Inj. Date: 4/11/2016 3:31:05 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

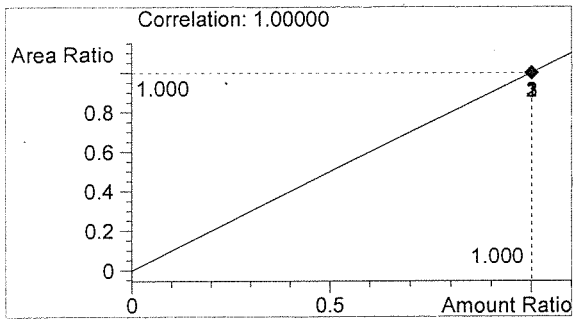
Sample Name: 16011-1
Operator: Justin Knoy
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	1249	1.091
2	n-Propanol	2583	1.753



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

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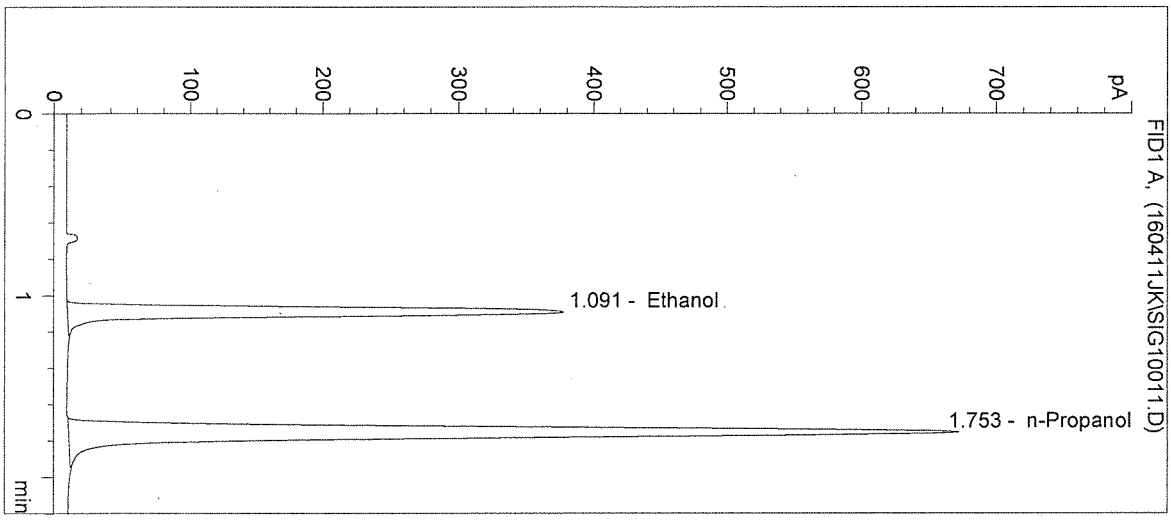
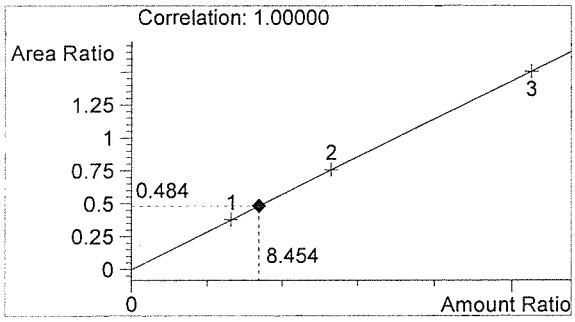
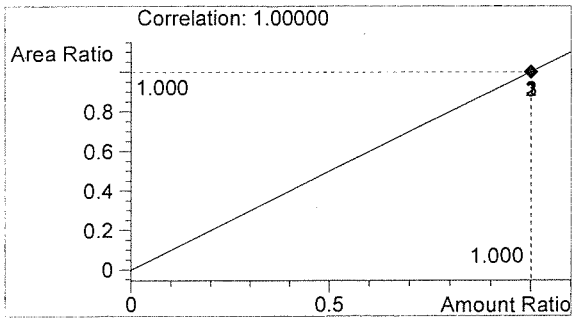
Inj. Date: 4/11/2016 3:34:19 PM
Sample Name: 16011-2
Instrument: HSGC#1
Operator: Justin Knoy
Column: DB-ALC1
Location: Vial 11
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1263	1.091
2	n-Propanol	2608	1.753



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

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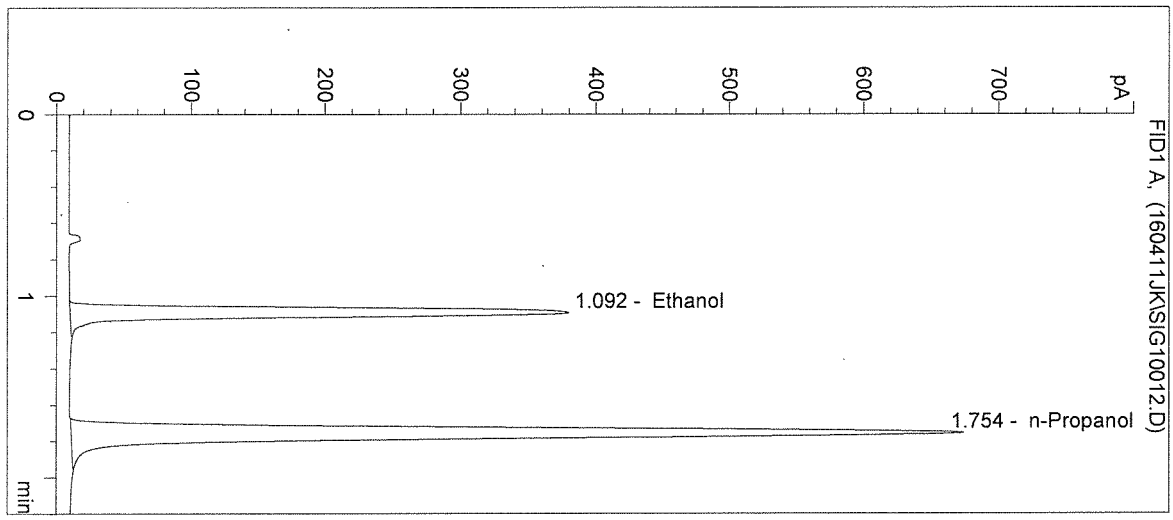
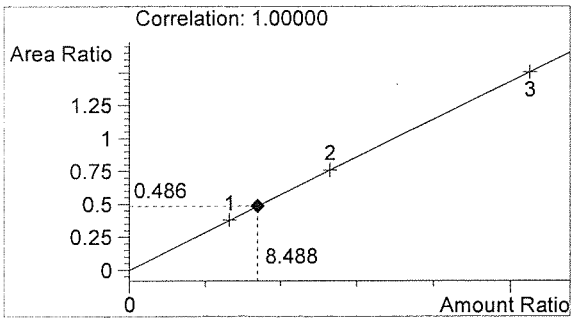
Inj. Date: 4/11/2016 3:37:32 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

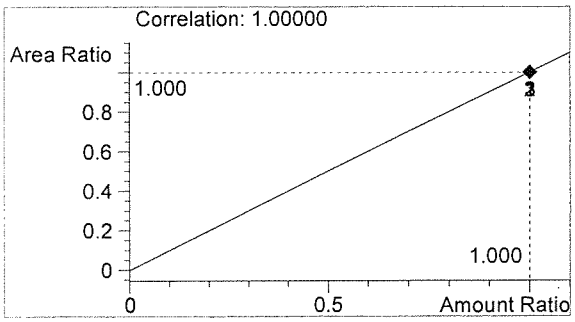
Sample Name: 16011-3
Operator: Justin Knoy
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	1271	1.092
2	n-Propanol	2615	1.754



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

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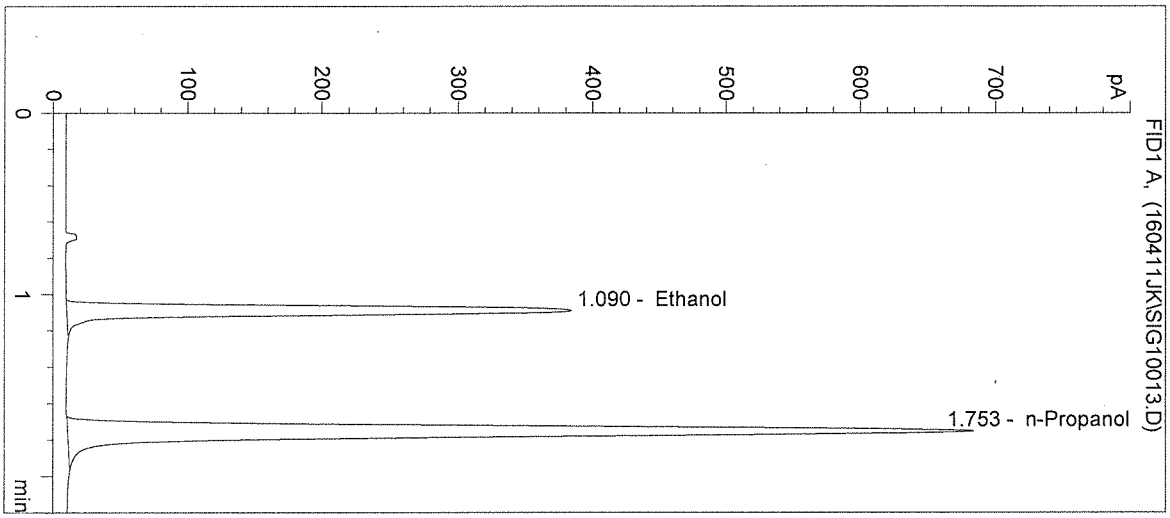
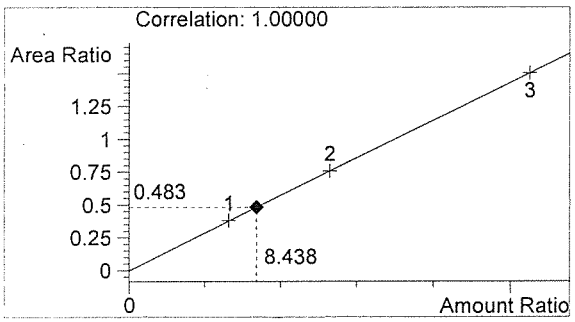
Inj. Date: 4/11/2016 3:40:45 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

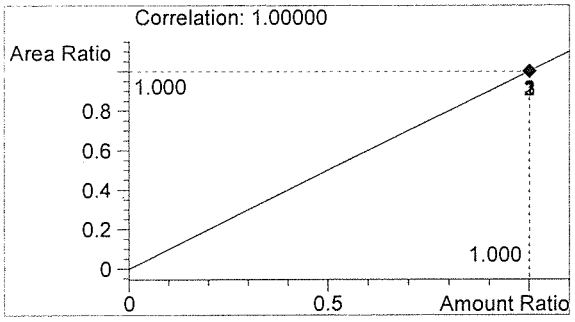
Sample Name: 16011-4
Operator: Justin Knoy
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	1278	1.090
2	n-Propanol	2645	1.753



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

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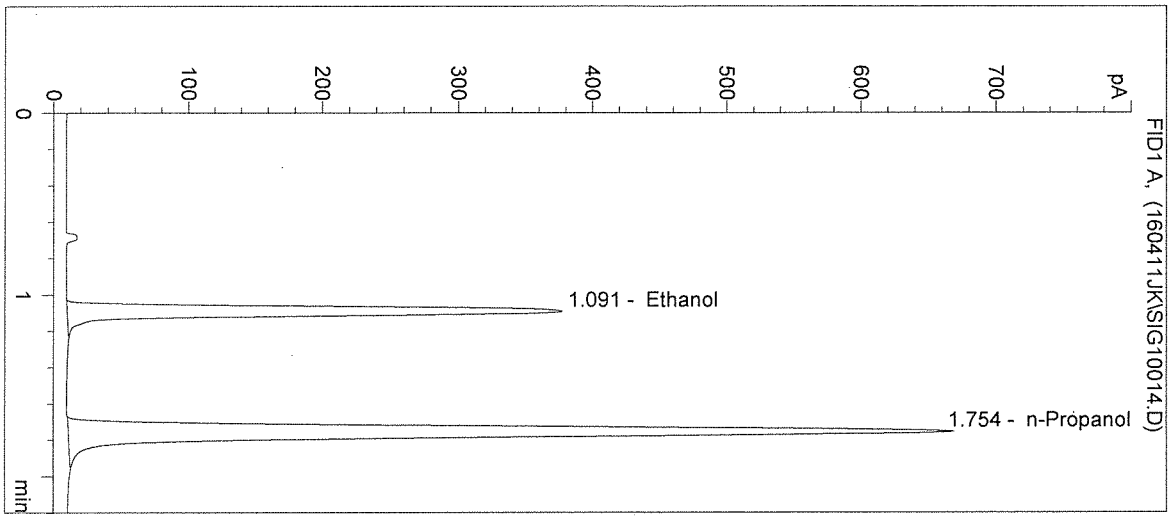
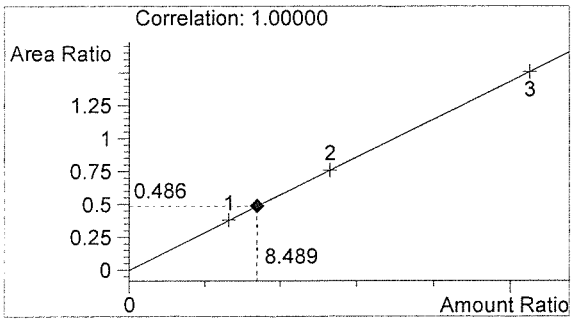
Inj. Date: 4/11/2016 3:43:58 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

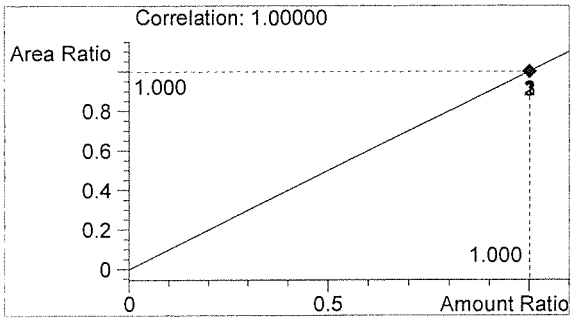
Sample Name: 16011-5
Operator: Justin Knoy
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	1263	1.091
2	n-Propanol	2598	1.754



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

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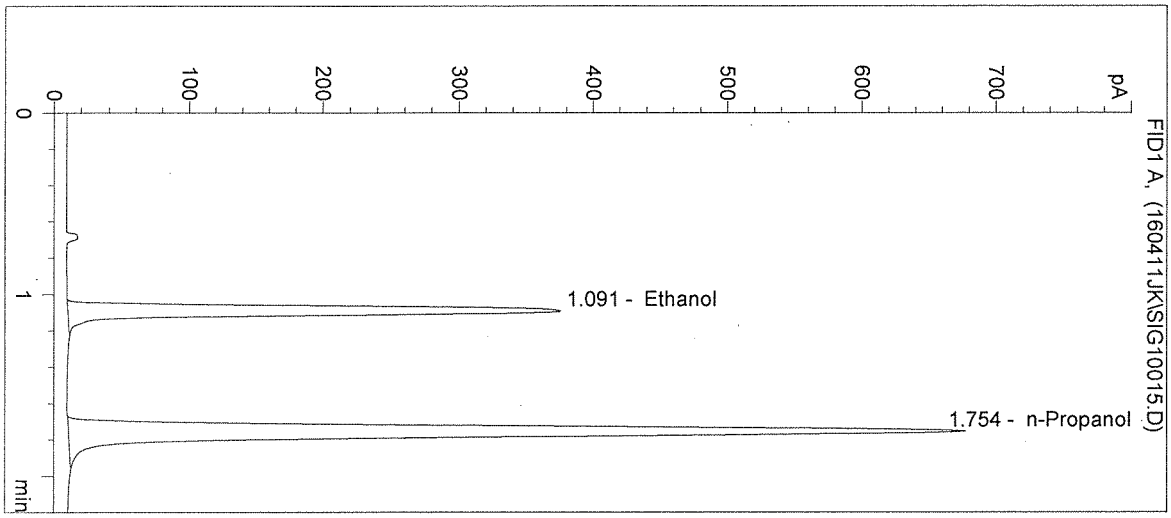
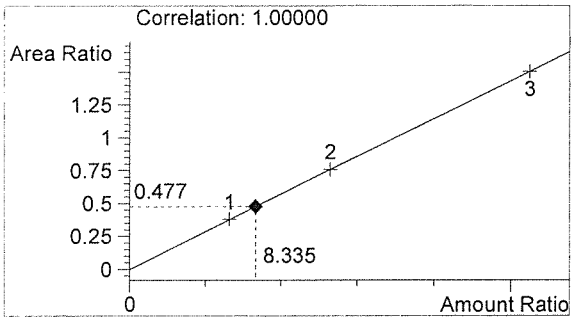
Inj. Date: 4/11/2016 3:47:12 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

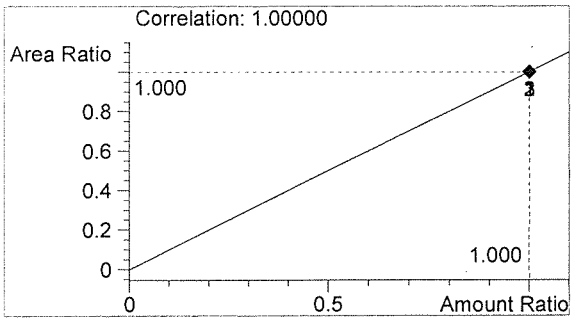
Sample Name: 0.10 CTRL
Operator: Justin Knoy
Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	1253	1.091
2	n-Propanol	2625	1.754



Ethanol 0.100 g/100mL



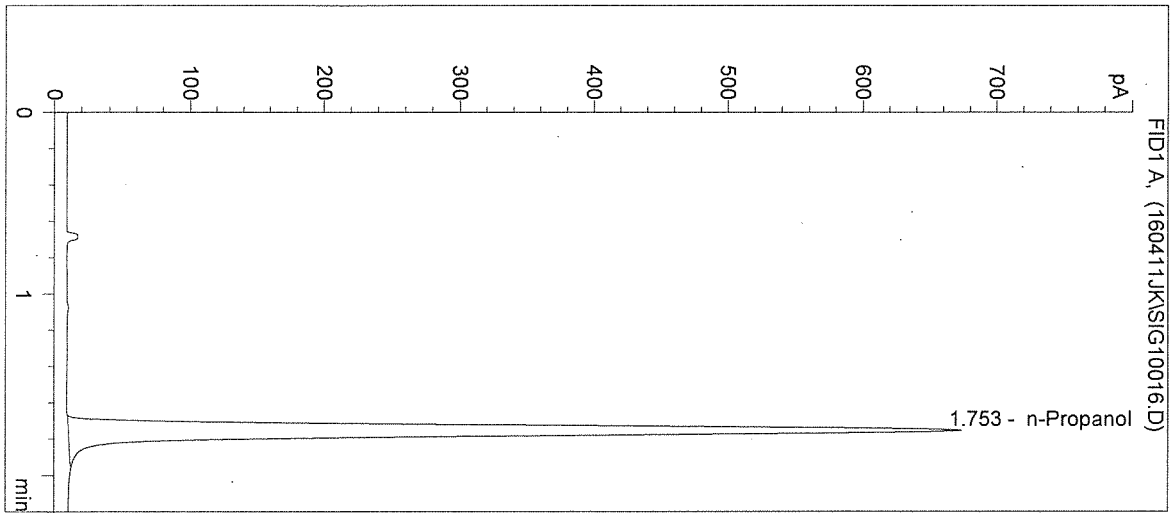
n-Propanol 0.012 g/100mL

JK

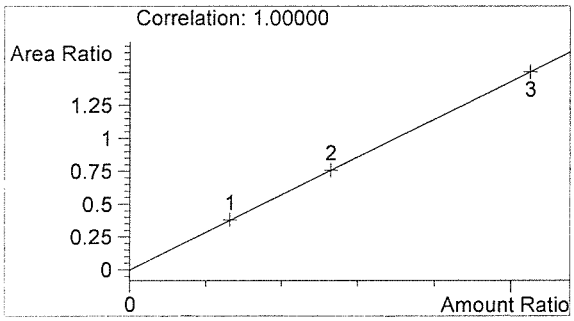
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/11/2016 3:50:25 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

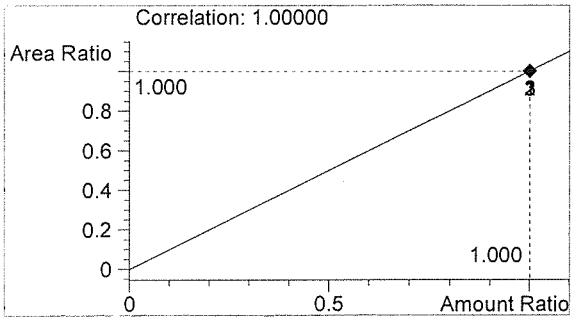
Sample Name: NEG CTRL
Operator: Justin Knoy
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2606	1.753



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

JK

Sequence Parameters:

Operator:	Elizabeth Wehner
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:	160412EW
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#P0316 - Exp. 06/29/2016

Calibration vials 1-9 filed with 16011.

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	16011-1	SIMALC1	1	Sample		
11	Vial 11	16011-2	SIMALC1	1	Sample		
12	Vial 12	16011-3	SIMALC1	1	Sample		
13	Vial 13	16011-4	SIMALC1	1	Sample		
14	Vial 14	16011-5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp		
17	Vial 17	16012-1	SIMALC1	1	Sample		
18	Vial 18	16012-2	SIMALC1	1	Sample		
19	Vial 19	16012-3	SIMALC1	1	Sample		
20	Vial 20	16012-4	SIMALC1	1	Sample		
21	Vial 21	16012-5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		

16011
fnv 4/25/16

EW

Sequence: C:\HPCHEM\1\SEQUENCE\EW-ESS2.S

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

16011

Jn 4/25/16

EW

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

Calibration Table

Calib. Data Modified : Tuesday, April 12, 2016 9:31:46 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	976.02856	8.10530e-5	1		Ethanol
		2	1.59090e-1	1934.66821	8.22312e-5			
		3	3.15200e-1	3813.99243	8.26431e-5			
1.754	1	1	1.20000e-2	2568.98242	4.67111e-6		I1	n-Propanol
		2	1.20000e-2	2573.55420	4.66281e-6			
		3	1.20000e-2	2540.92432	4.72269e-6			

16011
fn 4/25/16

Peak Sum Table

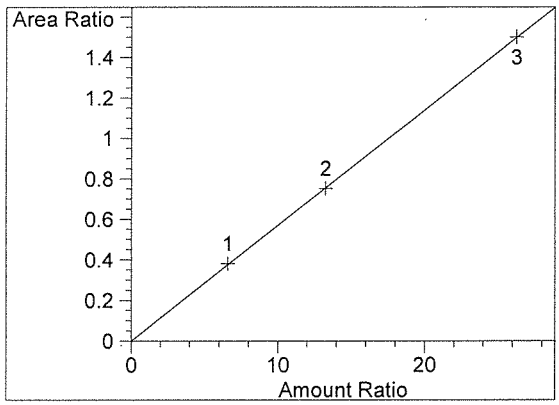
No Entries in table

EW

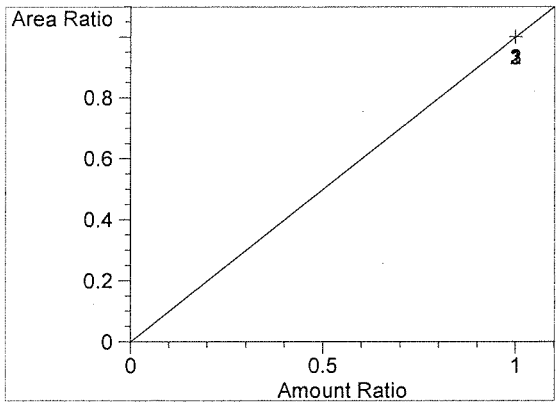
==========

Calibration Curves

==========



Ethanol at exp. RT: 1.091
FID1 A,
Correlation: 0.99998 ✓
Residual Std. Dev.: 0.00453
Formula: y = mx + b
m: 5.70770e-2
b: 1.25234e-4
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

==========

16011

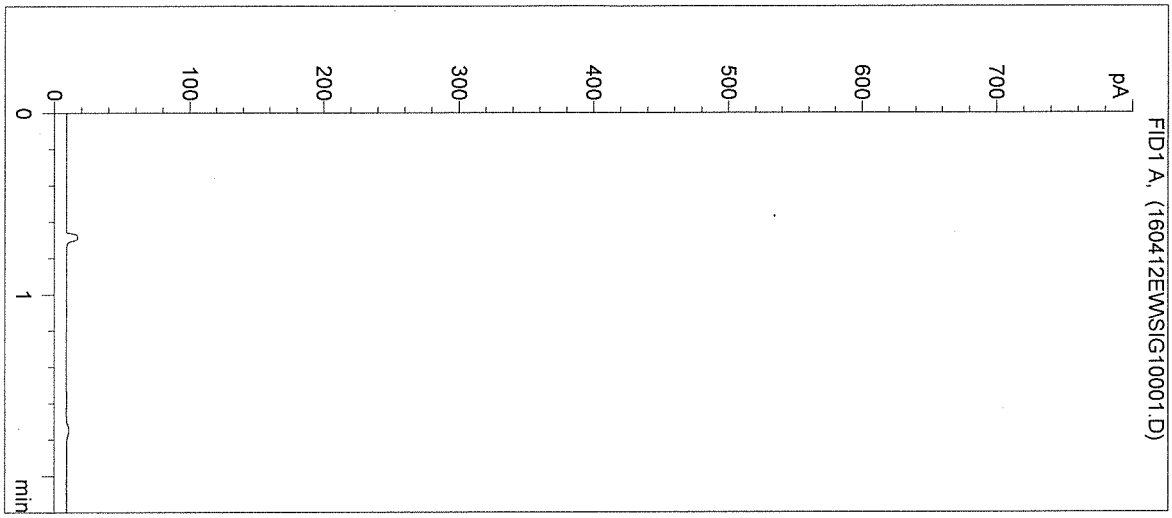
fn 4/25/16

EW

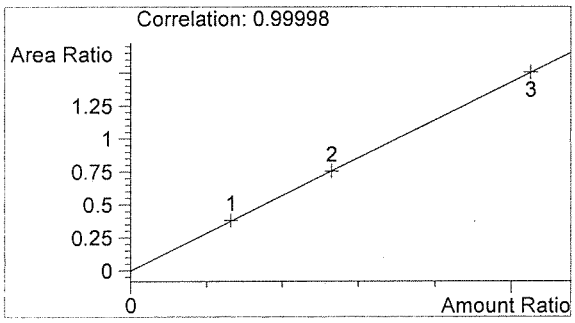
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/12/2016 9:19:42 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

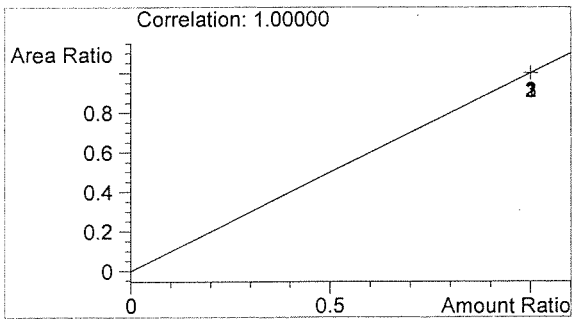
Sample Name: BLANK
Operator: Elizabeth Wehner
Location: Vial 1



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



Ethanol 0.000 g/100mL



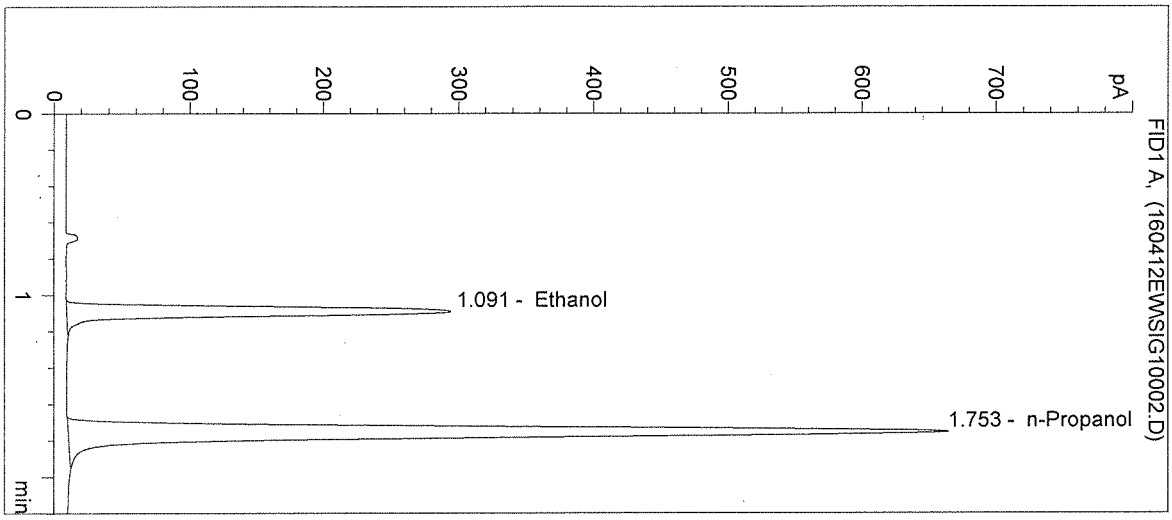
n-Propanol 0.000 g/100mL

EW

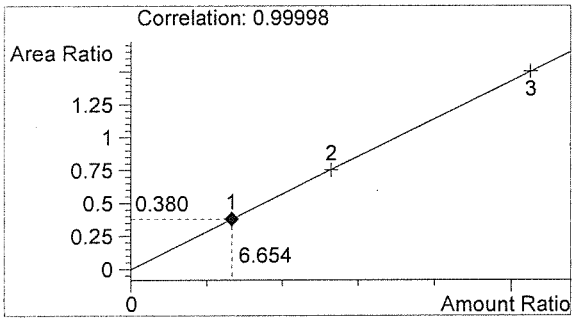
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/12/2016 9:22:58 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

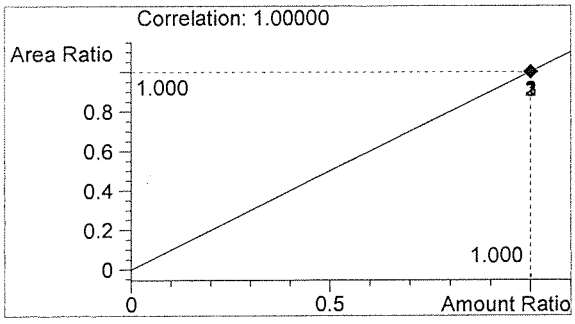
Sample Name: 0.079 CAL 1
Operator: Elizabeth Wehner
Location: Vial 2



#	Compound	Peak Area	RT (min)
1	Ethanol	976	1.091
2	n-Propanol	2569	1.753



Ethanol 0.080 g/100mL



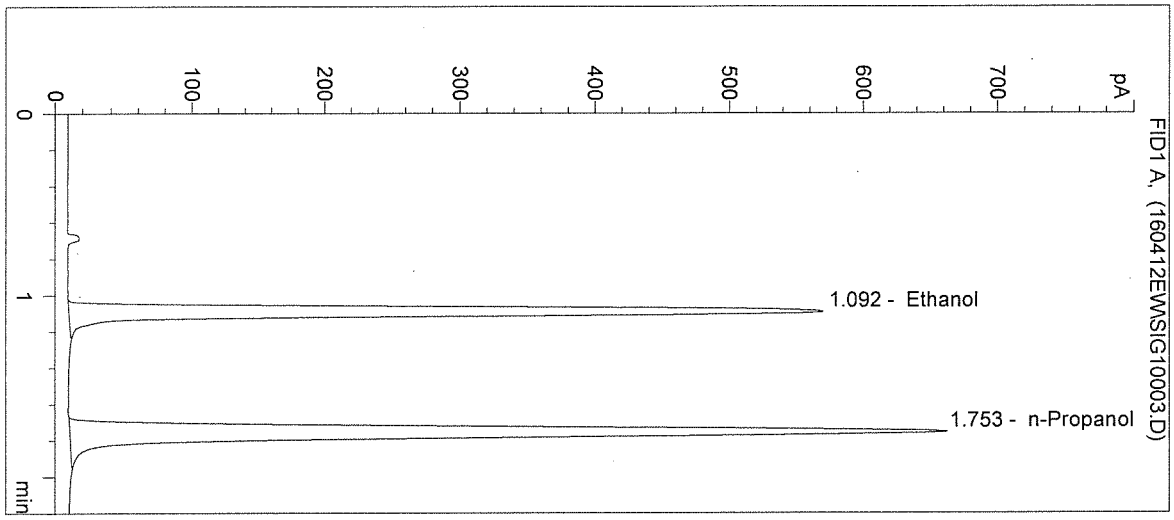
n-Propanol 0.012 g/100mL

EW

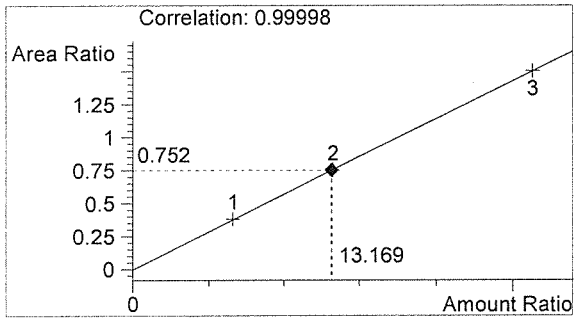
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/12/2016 9:26:16 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

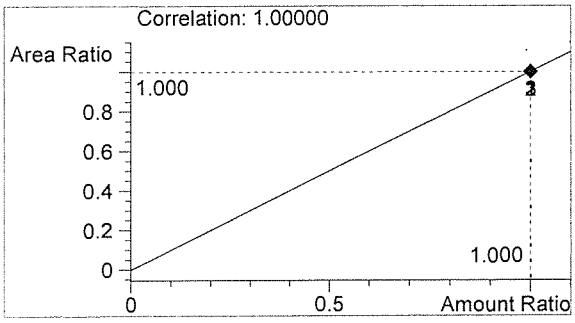
Sample Name: 0.158 CAL 2
Operator: Elizabeth Wehner
Location: Vial 3



#	Compound	Peak Area	RT (min)
1	Ethanol	1935	1.092
2	n-Propanol	2574	1.753



Ethanol 0.158 g/100mL



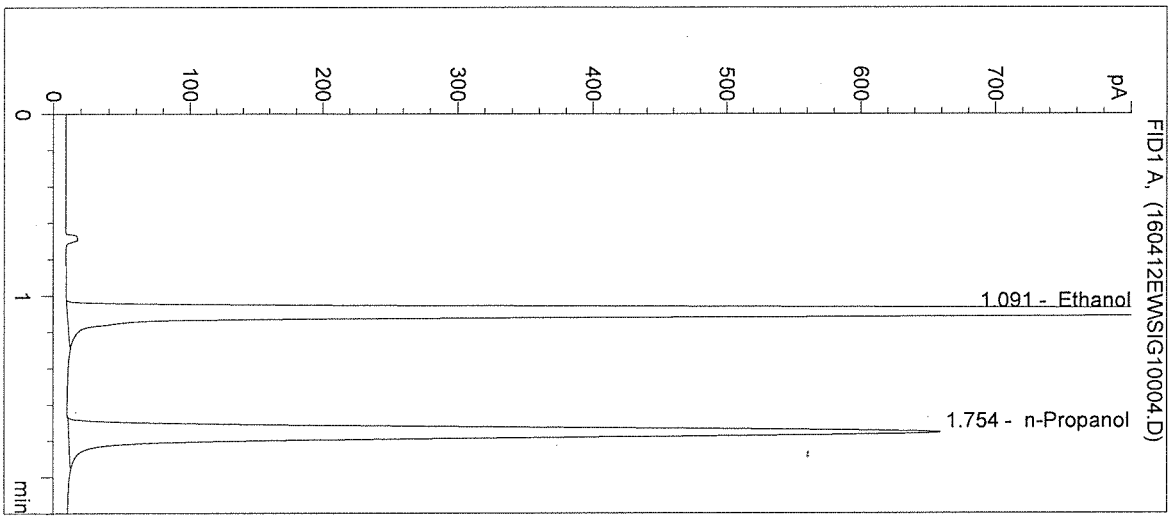
n-Propanol 0.012 g/100mL

EW

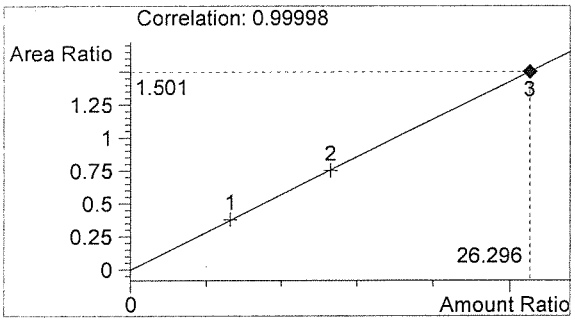
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/12/2016 9:29:33 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

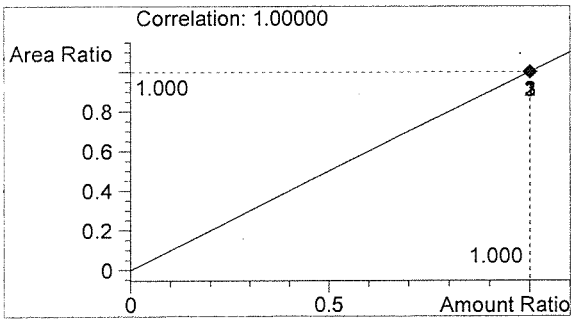
Sample Name: 0.316 CAL 3
Operator: Elizabeth Wehner
Location: Vial 4



#	Compound	Peak Area	RT (min)
1	Ethanol	3814	1.091
2	n-Propanol	2541	1.754



Ethanol 0.316 g/100mL

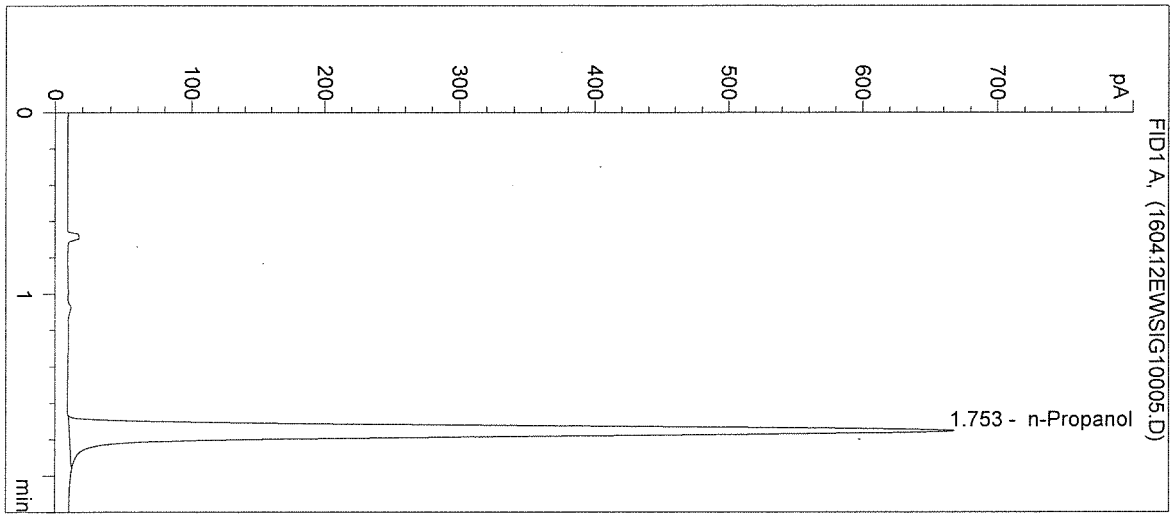


n-Propanol 0.012 g/100mL

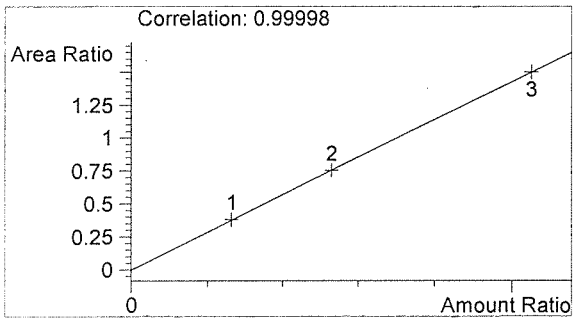
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/12/2016 9:32:46 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

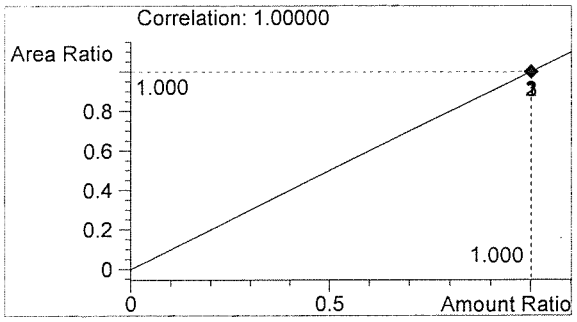
Sample Name: NEG CTRL
Operator: Elizabeth Wehner
Location: Vial 5



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2590	1.753



Ethanol 0.000 g/100mL



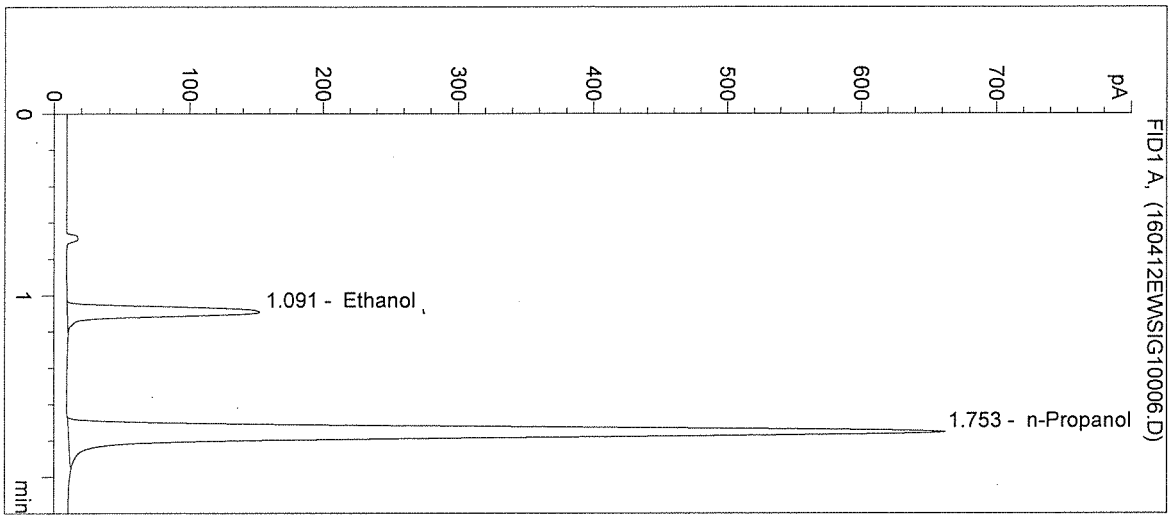
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\160412EW\SIG10005.D

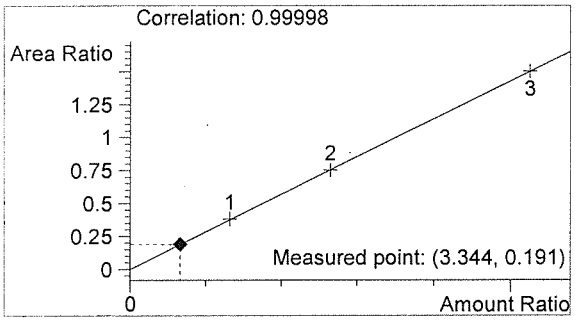
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/12/2016 9:35:59 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

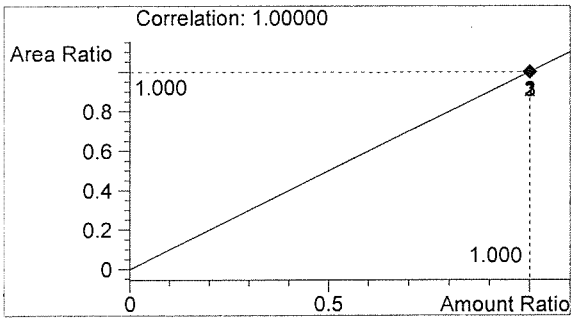
Sample Name: 0.04 CTRL
Operator: Elizabeth Wehner
Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	492	1.091
2	n-Propanol	2573	1.753



Ethanol 0.040 g/100mL



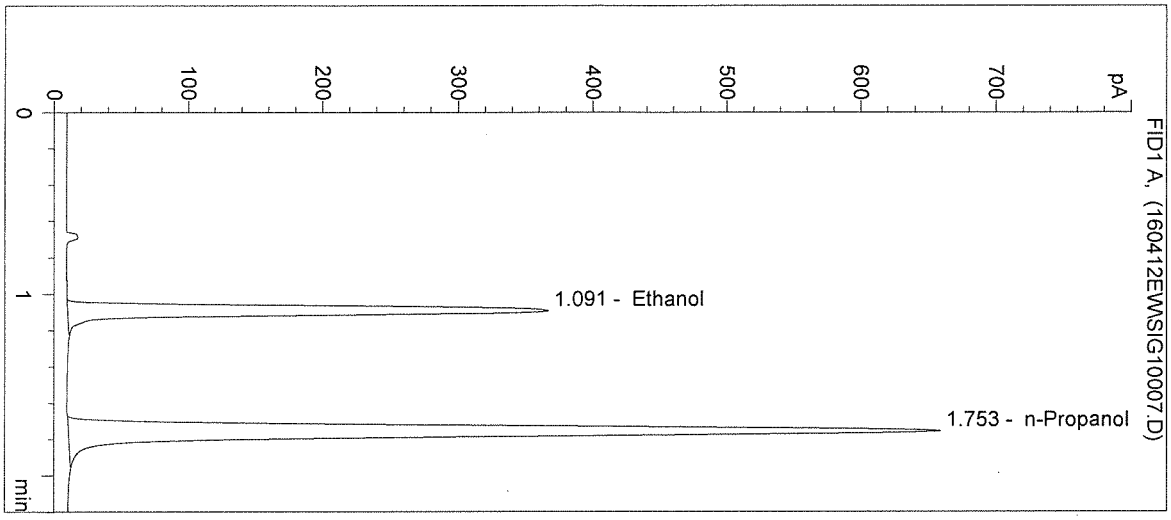
n-Propanol 0.012 g/100mL

EW

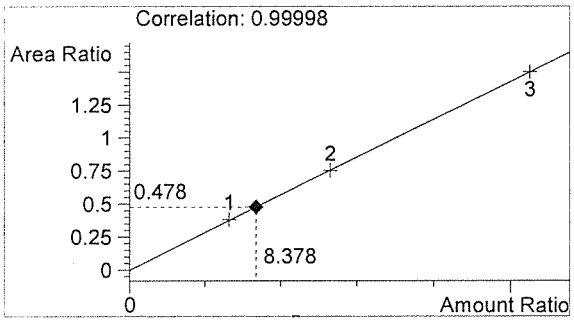
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/12/2016 9:39:12 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

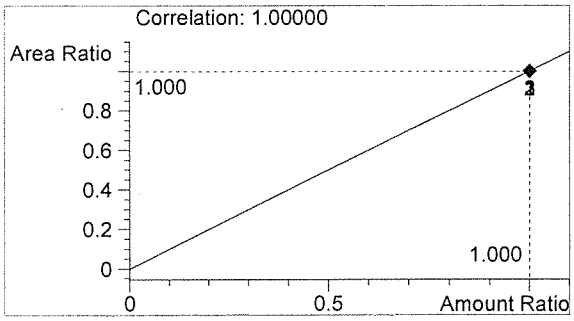
Sample Name: 0.10 CTRL
Operator: Elizabeth Wehner
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	1220	1.091
2	n-Propanol	2551	1.753



Ethanol 0.101 g/100mL



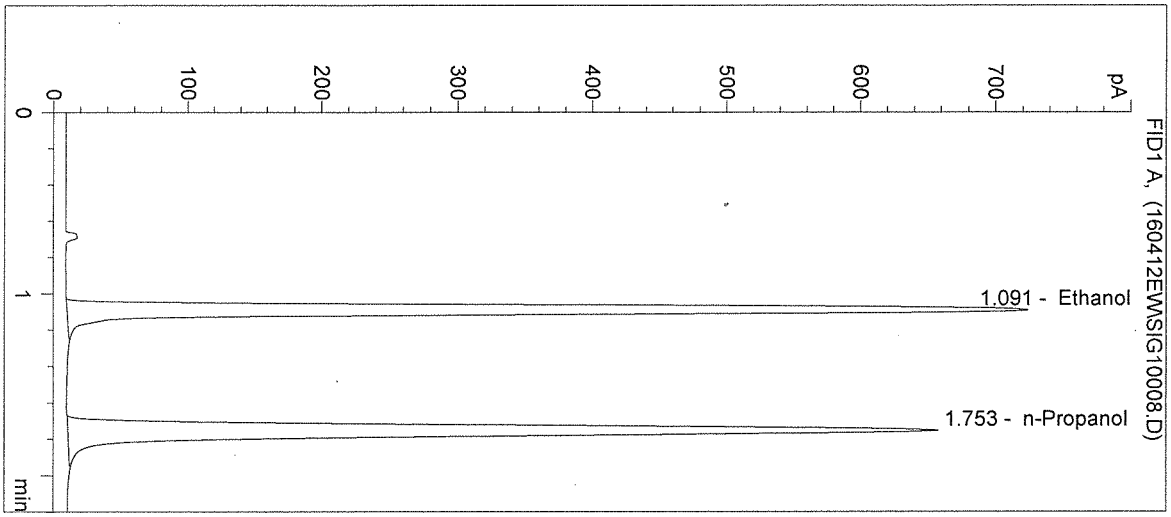
n-Propanol 0.012 g/100mL

EW

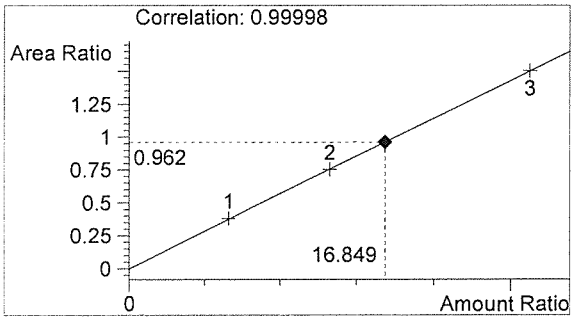
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/12/2016 9:42:26 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

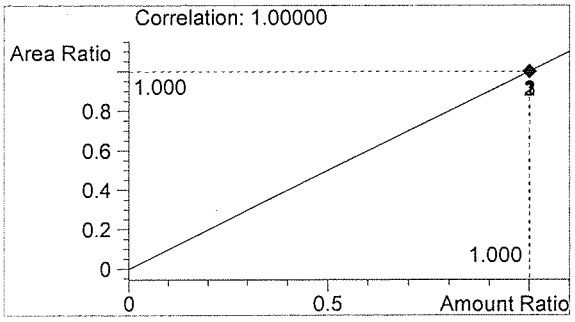
Sample Name: 0.20 CTRL
Operator: Elizabeth Wehner
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	2448	1.091
2	n-Propanol	2545	1.753



Ethanol 0.202 g/100mL



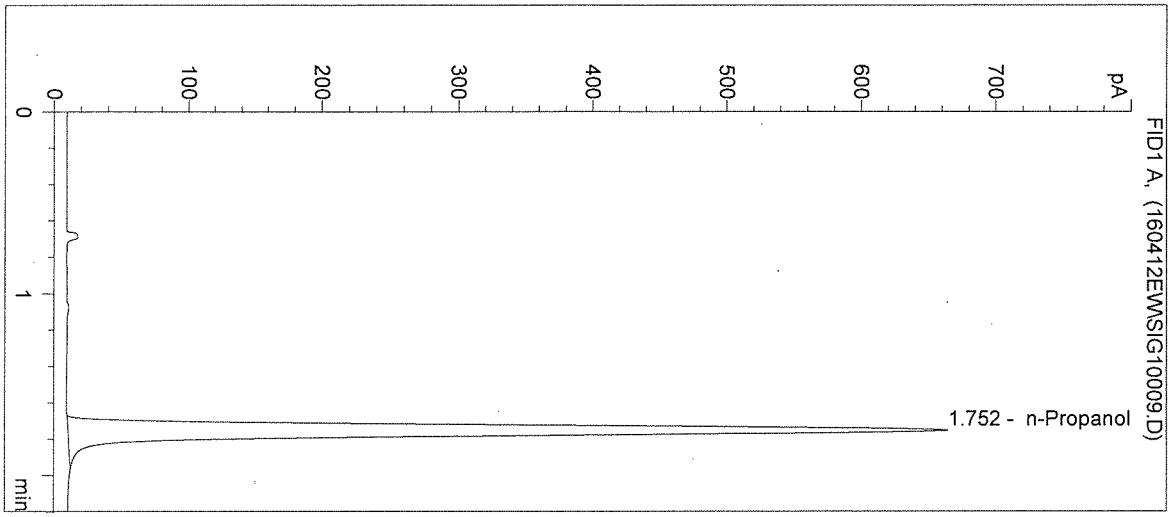
n-Propanol 0.012 g/100mL

EW

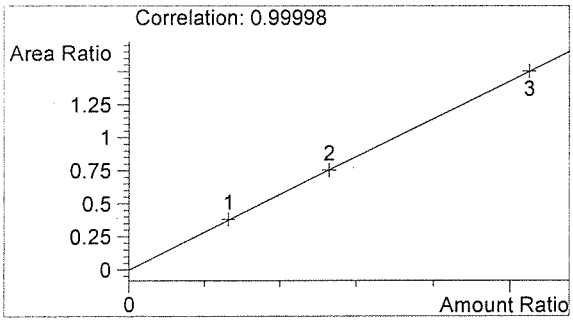
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/12/2016 9:45:39 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

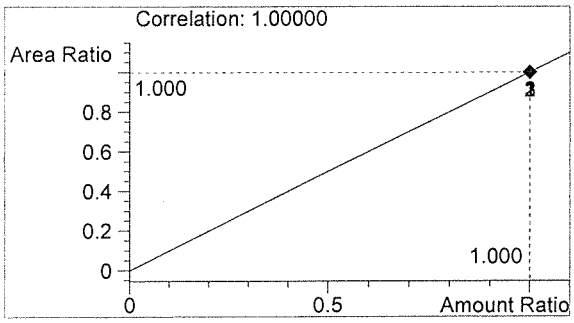
Sample Name: NEG CTRL
Operator: Elizabeth Wehner
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2575	1.752



Ethanol 0.000 g/100mL

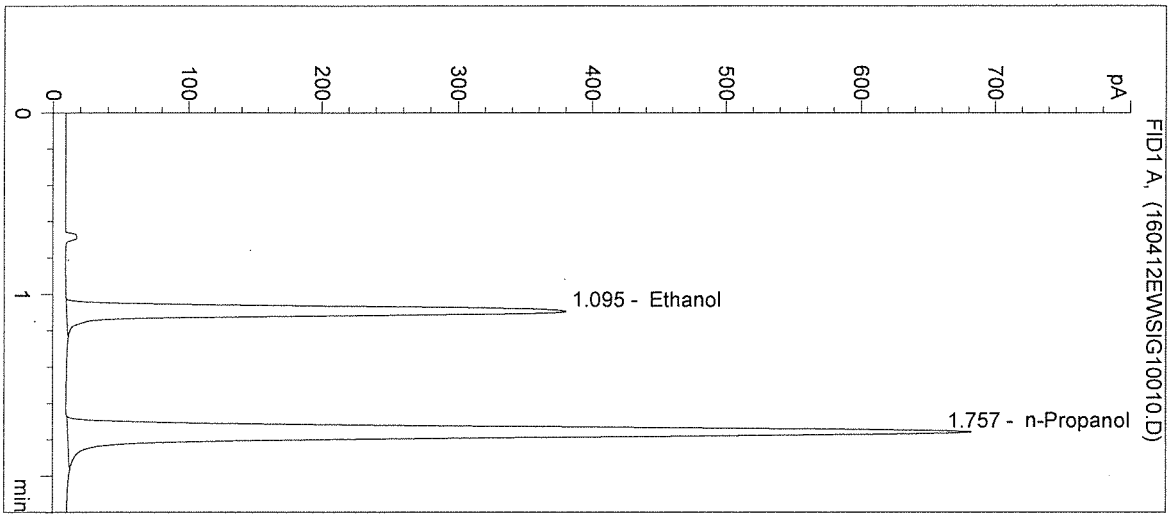


n-Propanol 0.012 g/100mL

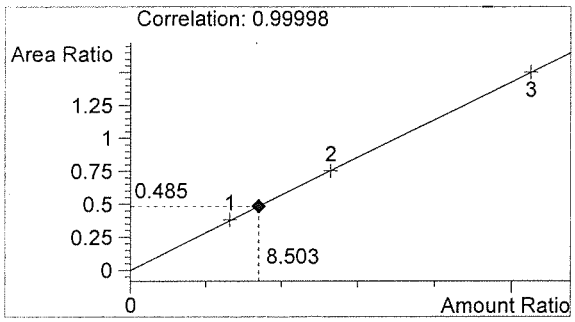
EW

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

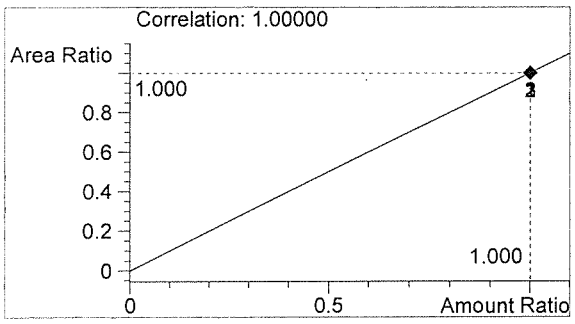
Inj. Date: 4/12/2016 9:48:52 AM
Sample Name: 16011-1
Instrument: HSGC#1
Operator: Elizabeth Wehner
Column: DB-ALC1
Location: Vial 10
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1298	1.095
2	n-Propanol	2674	1.757



Ethanol 0.102 g/100mL

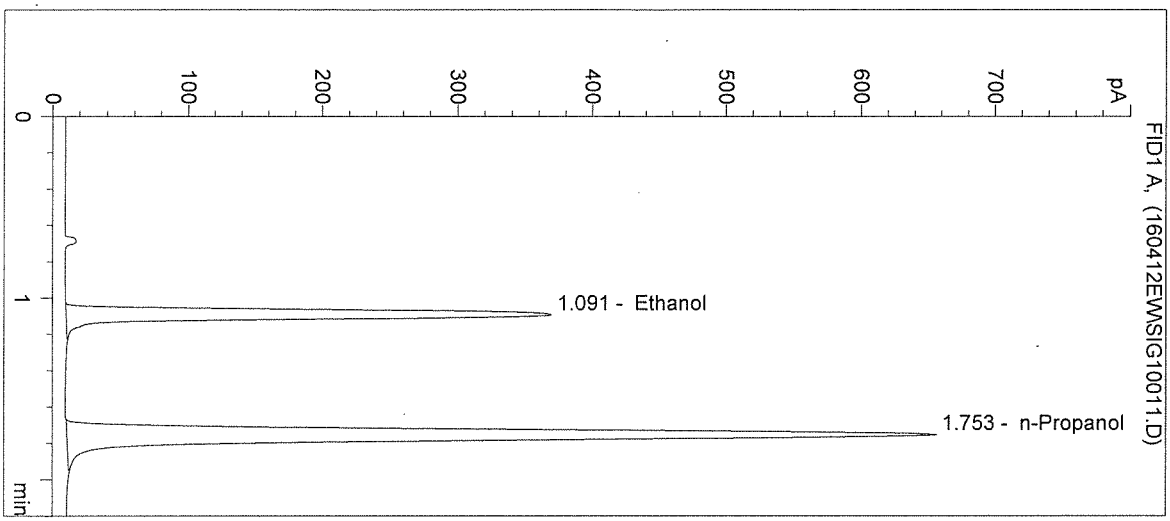


n-Propanol 0.012 g/100mL

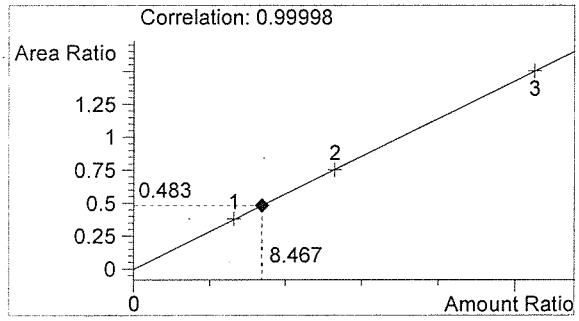
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/12/2016 9:52:06 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

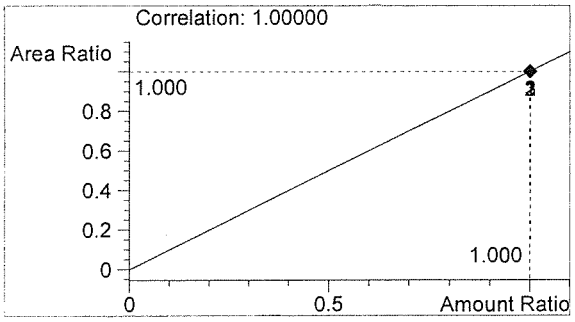
Sample Name: 16011-2
Operator: Elizabeth Wehner
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	1228	1.091
2	n-Propanol	2540	1.753



Ethanol 0.102 g/100mL



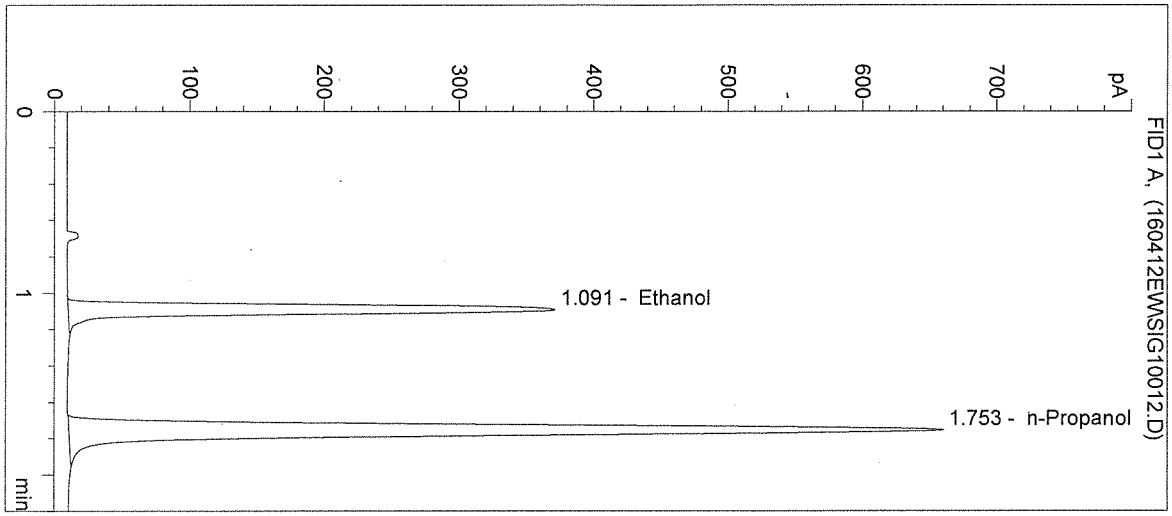
n-Propanol 0.012 g/100mL

EW

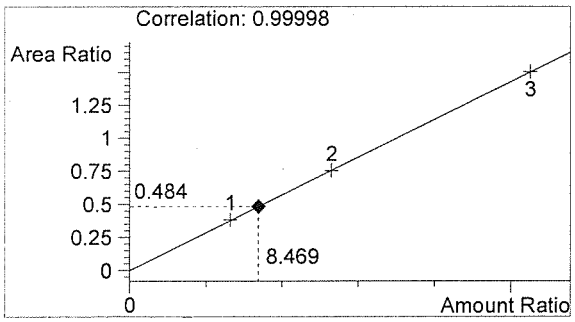
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/12/2016 9:55:19 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

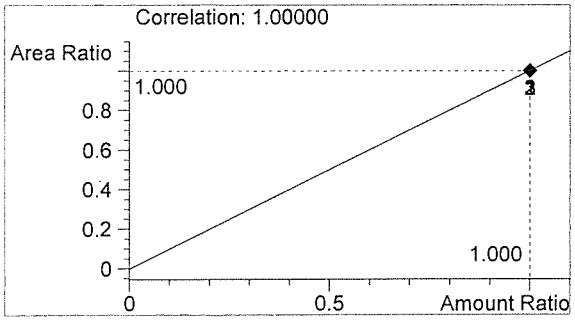
Sample Name: 16011-3
Operator: Elizabeth Wehner
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	1234	1.091
2	n-Propanol	2552	1.753



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

EW

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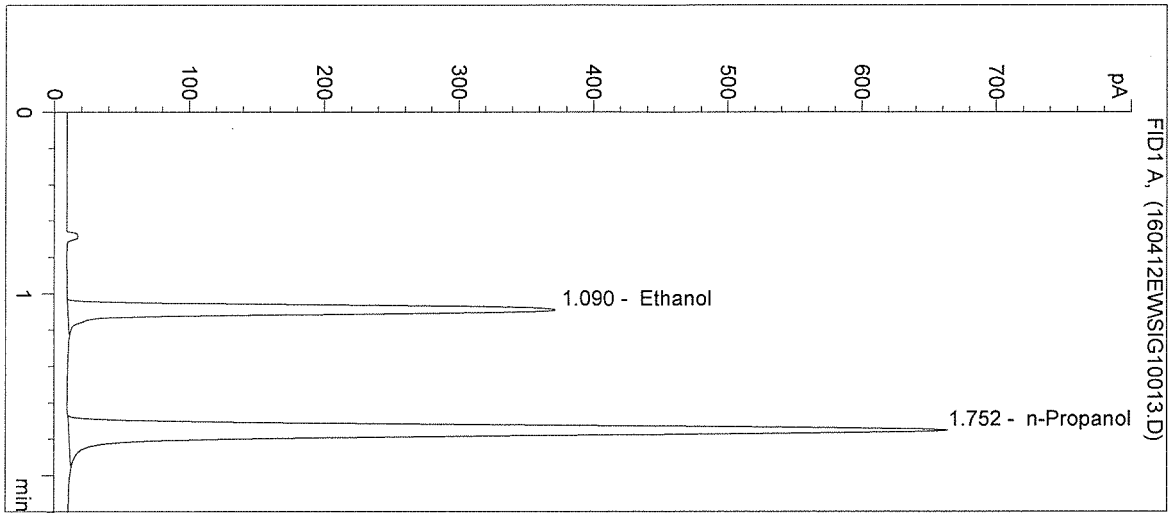
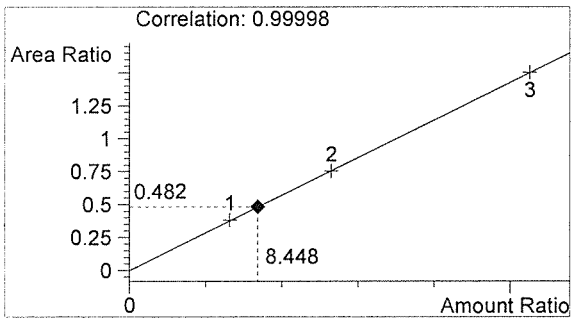
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/12/2016 9:58:32 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

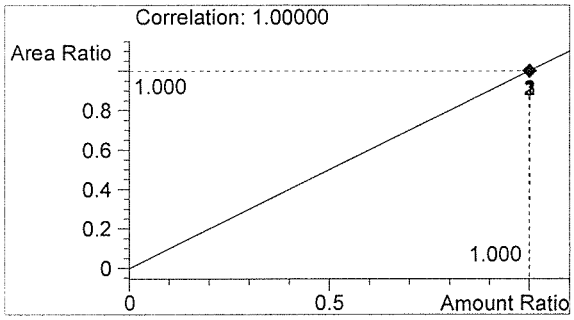
Sample Name: 16011-4
Operator: Elizabeth Wehner
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	1238	1.090
2	n-Propanol	2568	1.752



Ethanol 0.101 g/100mL



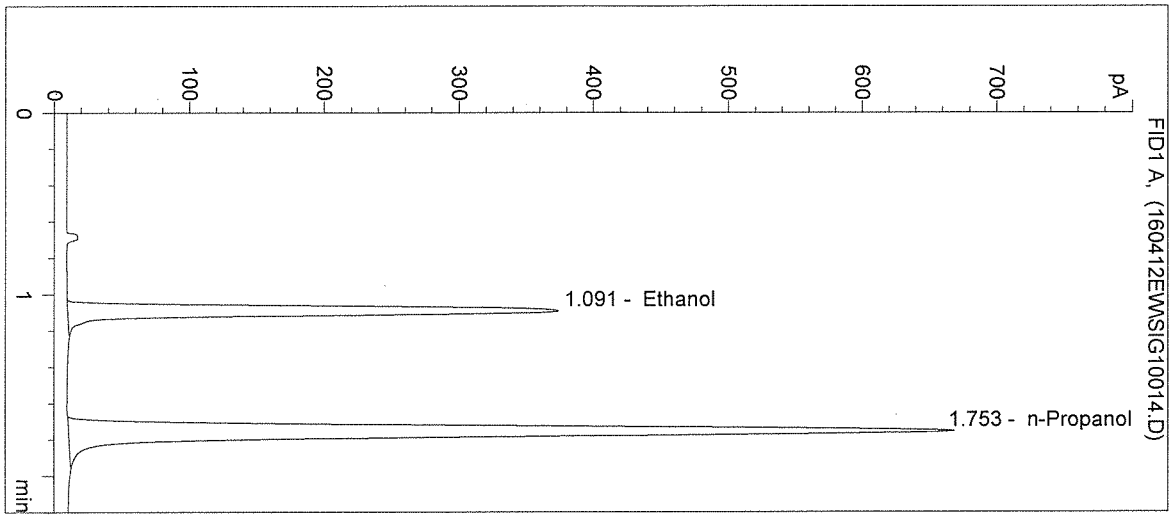
n-Propanol 0.012 g/100mL

EW

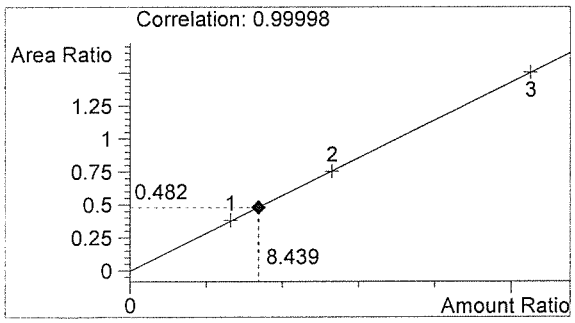
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/12/2016 10:01:45 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

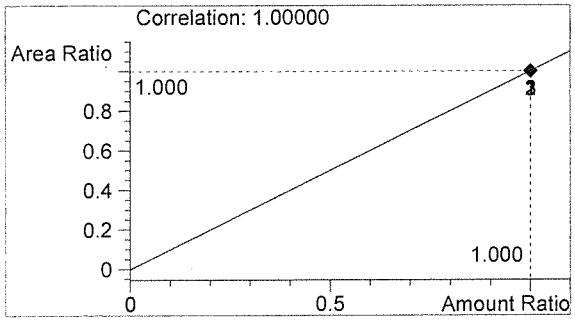
Sample Name: 16011-5
Operator: Elizabeth Wehner
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	1247	1.091
2	n-Propanol	2588	1.753



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

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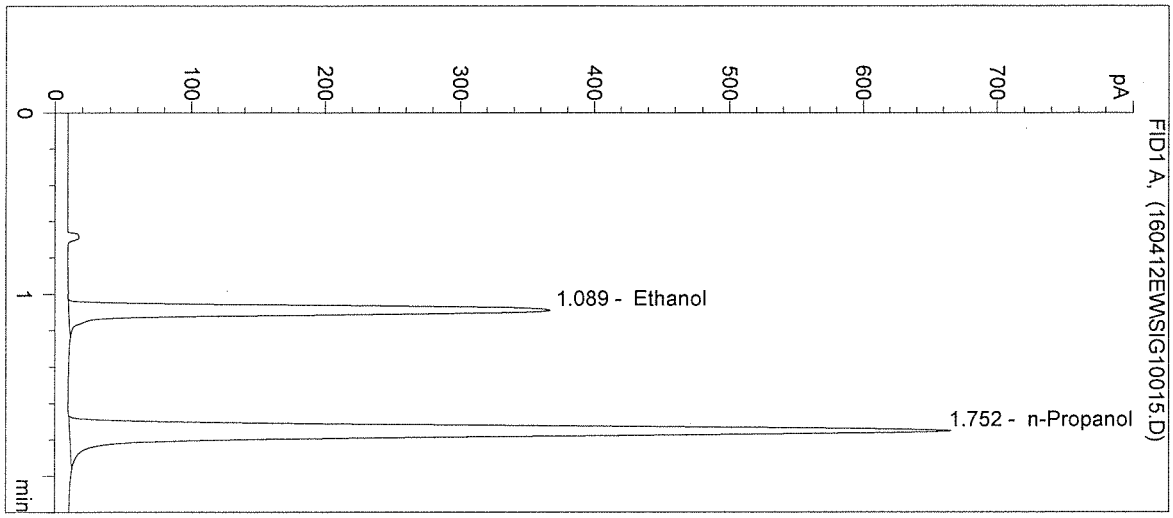
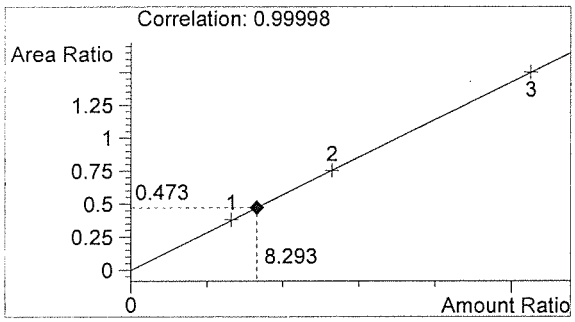
Inj. Date: 4/12/2016 10:04:59 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

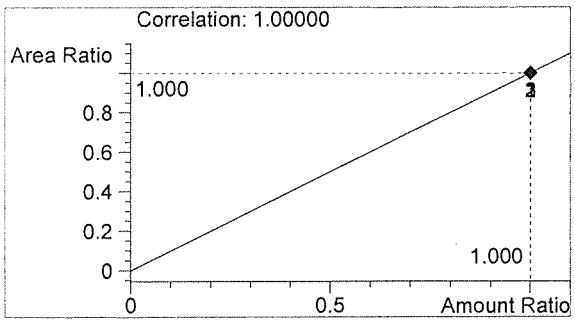
Sample Name: 0.10 CTRL
Operator: Elizabeth Wehner
Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	1219	1.089
2	n-Propanol	2574	1.752



Ethanol 0.100 g/100mL



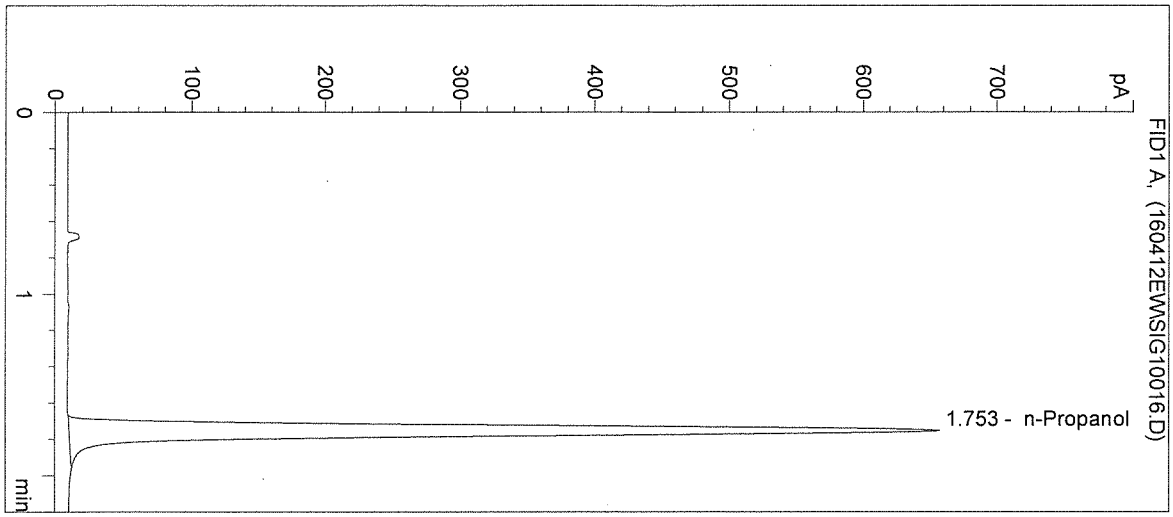
n-Propanol 0.012 g/100mL

EW

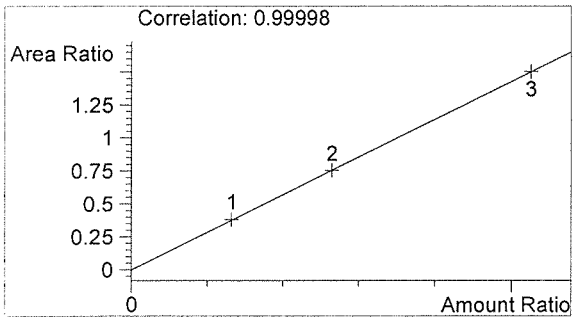
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/12/2016 10:08:12 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

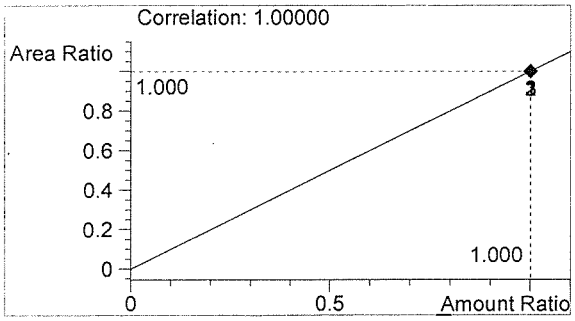
Sample Name: NEG CTRL
Operator: Elizabeth Wehner
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2545	1.753



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

EW

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:	160413AL
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment: e0416 10/01/2016

cal 1 0.079 g/100mL e1015-01 exp 04/29/2016
cal 2 0.158 g/100mL e1015-02 exp 04/29/2016
cal 3 0.316 g/100mL e1015-03 exp 04/29/2016
0.04 control fn05011301 exp 05/2018
0.10 control fn08051301 exp 10/2018
0.20 control fn03211401 exp 06/2019
istd p0316 exp 06/29/2015 16 AL 20160413
calibration in ess 16011

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	16011 #1	SIMALC1	1	Sample		
11	Vial 11	16011 #2	SIMALC1	1	Sample		
12	Vial 12	16011 #3	SIMALC1	1	Sample		
13	Vial 13	16011 #4	SIMALC1	1	Sample		
14	Vial 14	16011 #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	16012 #1	SIMALC1	1	Sample		
18	Vial 18	16012 #2	SIMALC1	1	Sample		
19	Vial 19	16012 #3	SIMALC1	1	Sample		
20	Vial 20	16012 #4	SIMALC1	1	Sample		
21	Vial 21	16012 #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		

~~16011~~ fn 4/25/16
16011 fn 4/25/16

AL

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!

16011
Jm 4/25/16

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

Calibration Table

Calib. Data Modified : Wednesday, April 13, 2016 12:07:52 PM

Calculate : Internal Standard
Based on : Peak Area

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

Curve Type : Linear
Origin : Included
Weight : Equal

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

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

Sample ISTD Information:

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

Signal 1: FID1 A,

RetTime [min]	Sig	Lvl	Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.090	1	1	7.91100e-2	972.59229	8.13393e-5	1		Ethanol
		2	1.59090e-1	1938.83032	8.20546e-5			
		3	3.15200e-1	3824.34790	8.24193e-5			
1.752	1	1	1.20000e-2	2482.30737	4.83421e-6	I1		n-Propanol
		2	1.20000e-2	2556.71411	4.69352e-6			
		3	1.20000e-2	2546.00562	4.71327e-6			

16011
4/25/16

Peak Sum Table

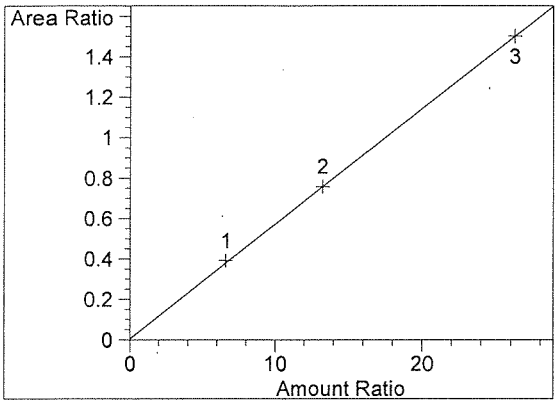
No Entries in table

AL 20160427
~~160413 AL~~
AL

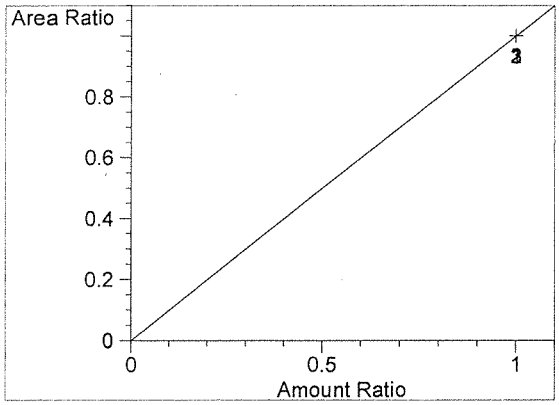
==========

Calibration Curves

==========



Ethanol at exp. RT: 1.090
FID1 A,
Correlation: 0.99994
Residual Std. Dev.: 0.00863
Formula: y = mx + b
m: 5.69936e-2
b: 5.97026e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.752
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

==========

16011
Jn 4/25/16

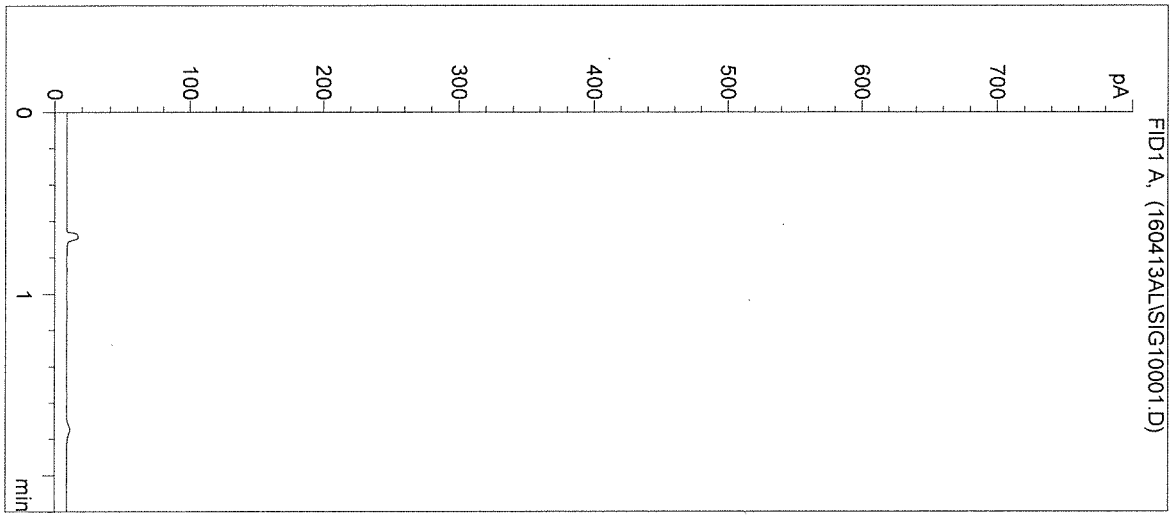
Sr 20160427
~~160413AC~~

Sr

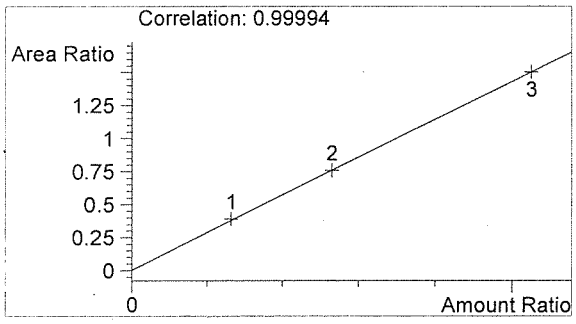
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/13/2016 11:55:48 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ess 16011

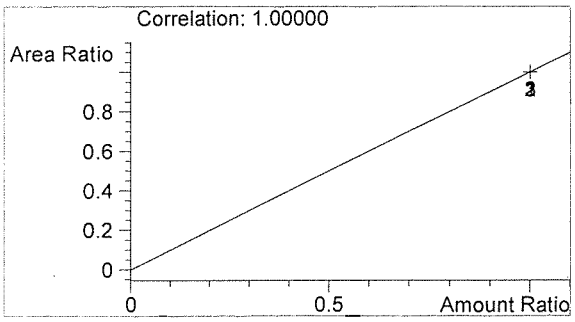
Sample Name: blank
Operator: asa louis
Location: Vial 1



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



Ethanol 0.000 g/100mL

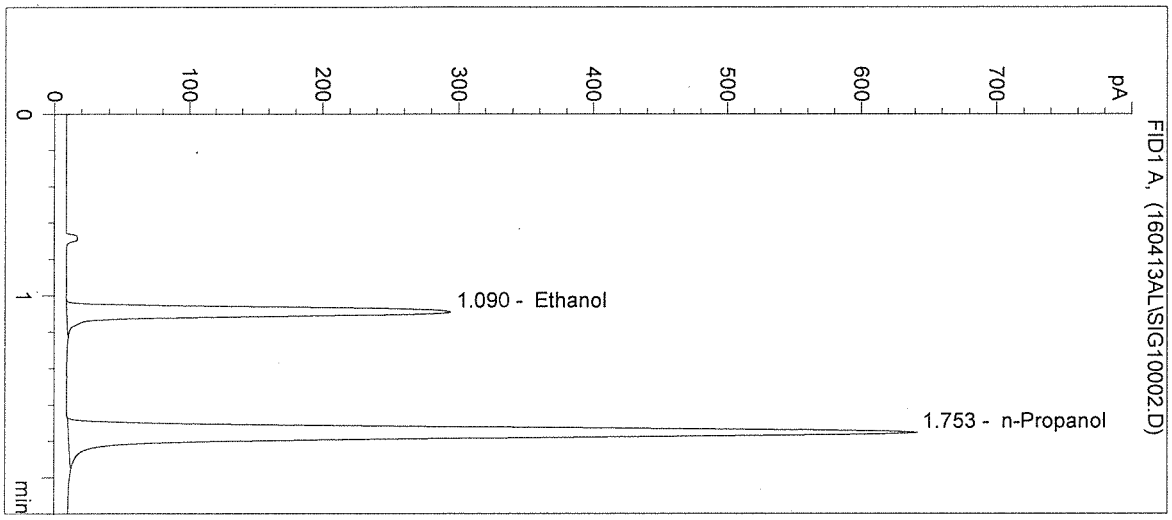


n-Propanol 0.000 g/100mL

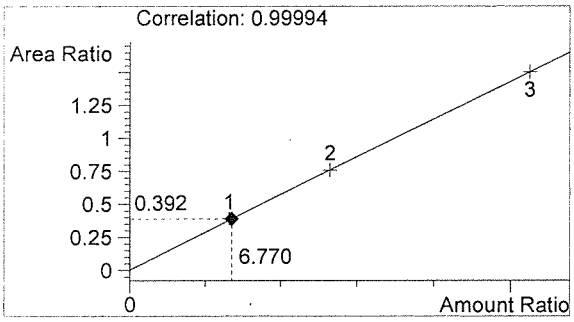
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/13/2016 11:59:05 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ess 16011

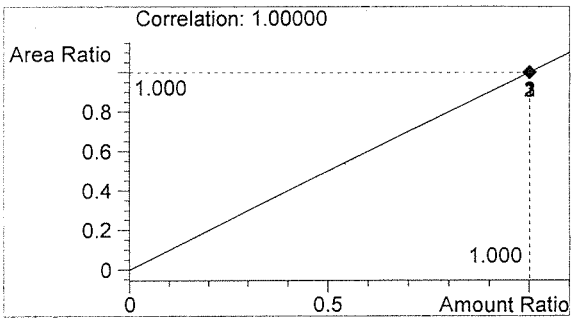
Sample Name: 0.079 cal 1
Operator: asa louis
Location: Vial 2



#	Compound	Peak Area	RT (min)
1	Ethanol	973	1.090
2	n-Propanol	2482	1.753



Ethanol 0.081 g/100mL

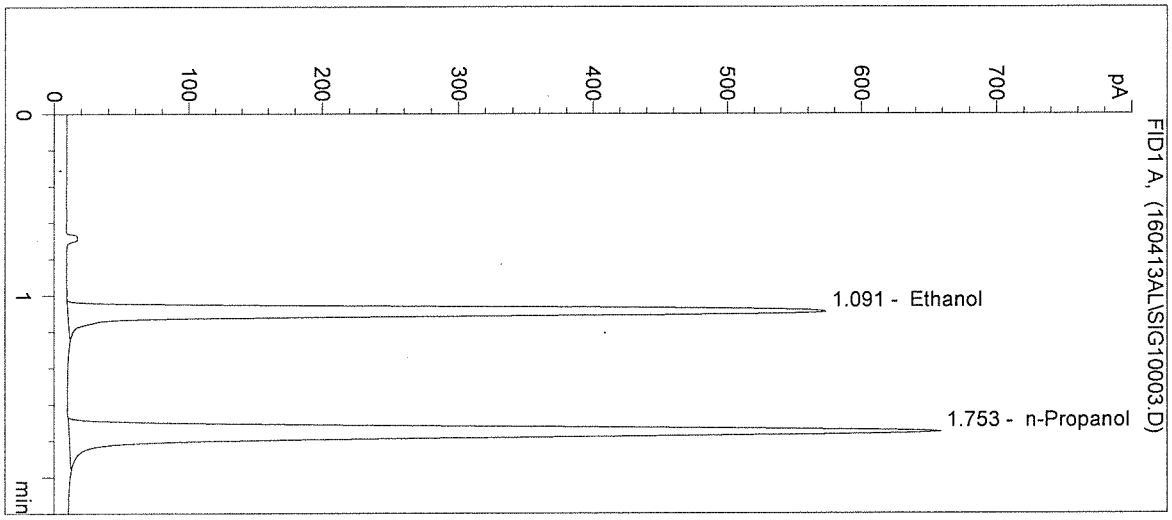


n-Propanol 0.012 g/100mL

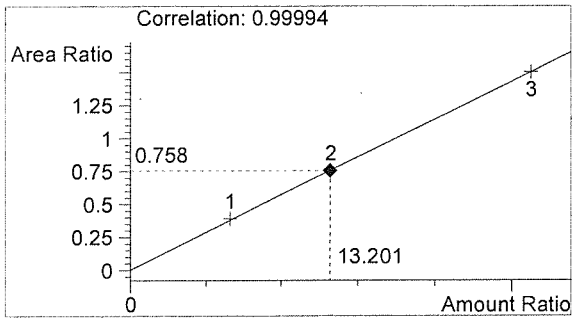
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/13/2016 12:02:22 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ess 16011

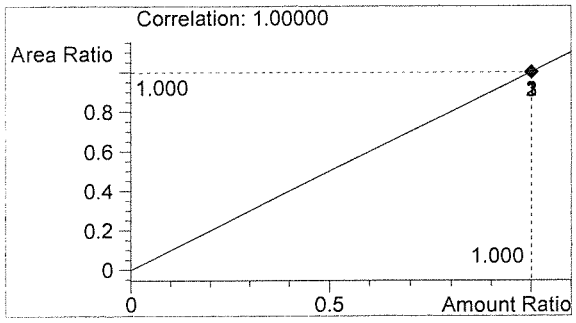
Sample Name: 0.158 cal 2
Operator: asa louis
Location: Vial 3



#	Compound	Peak Area	RT (min)
1	Ethanol	1939	1.091
2	n-Propanol	2557	1.753



Ethanol 0.158 g/100mL

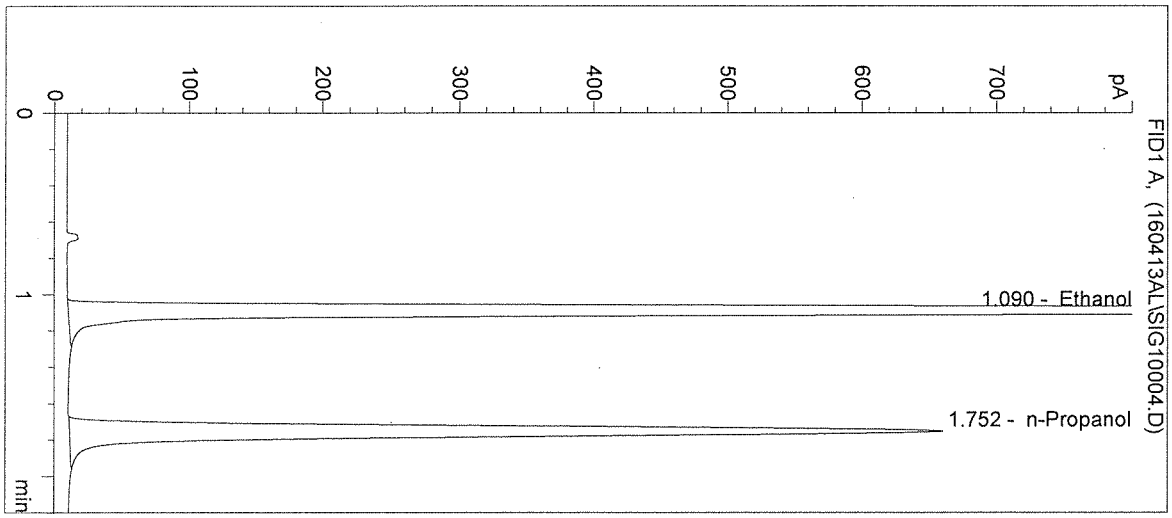


n-Propanol 0.012 g/100mL

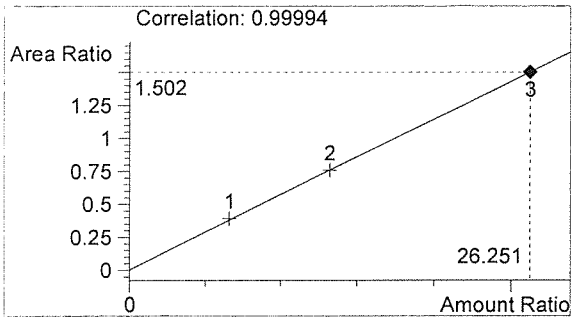
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/13/2016 12:05:39 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ess 16011

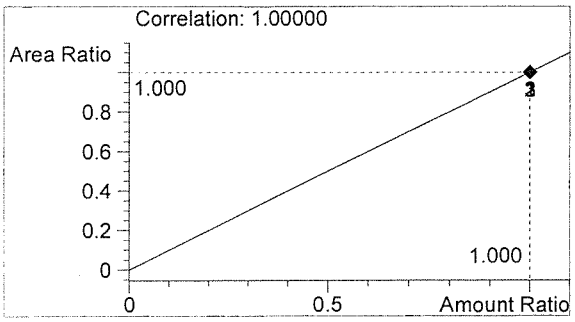
Sample Name: 0.316 cal 3
Operator: asa louis
Location: Vial 4



#	Compound	Peak Area	RT (min)
1	Ethanol	3824	1.090
2	n-Propanol	2546	1.752



Ethanol 0.315 g/100mL

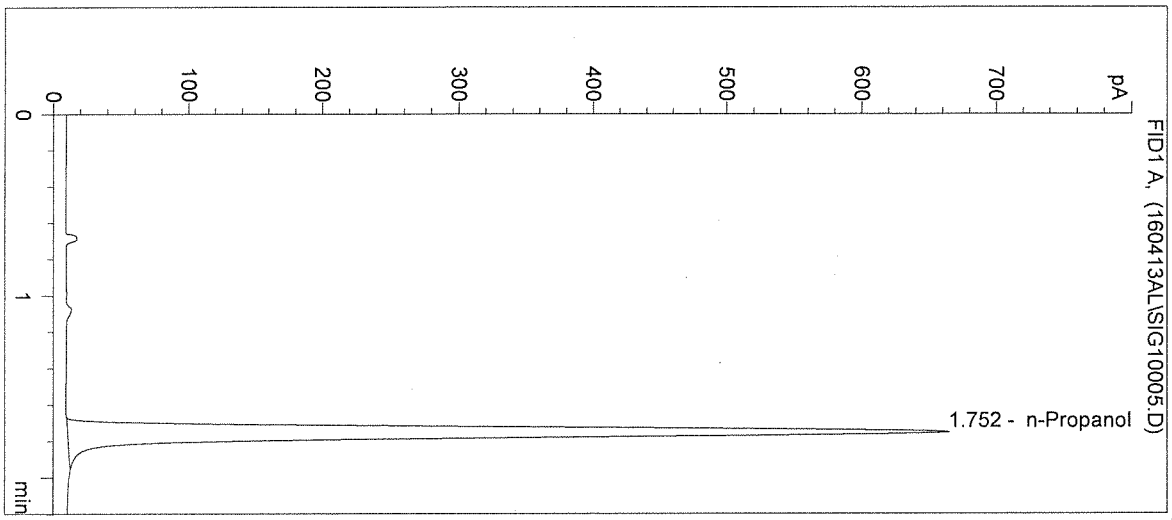


n-Propanol 0.012 g/100mL

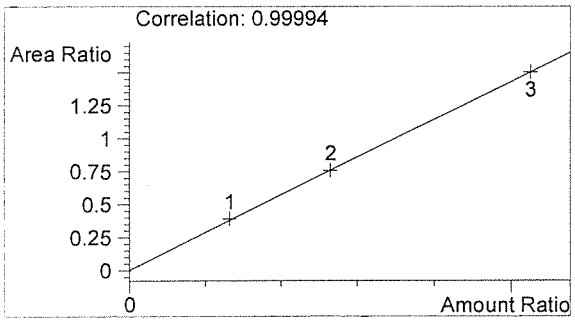
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/13/2016 12:08:52 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ess 16011

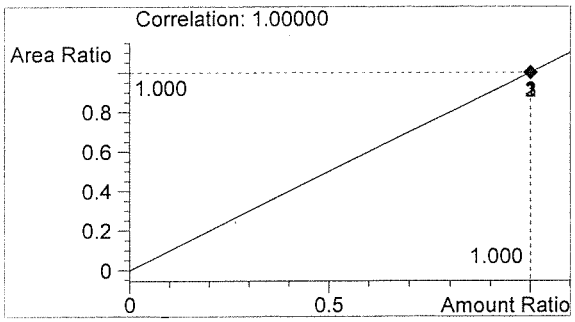
Sample Name: neg control - al
Operator: asa louis
Location: Vial 5



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2572	1.752



Ethanol 0.000 g/100mL

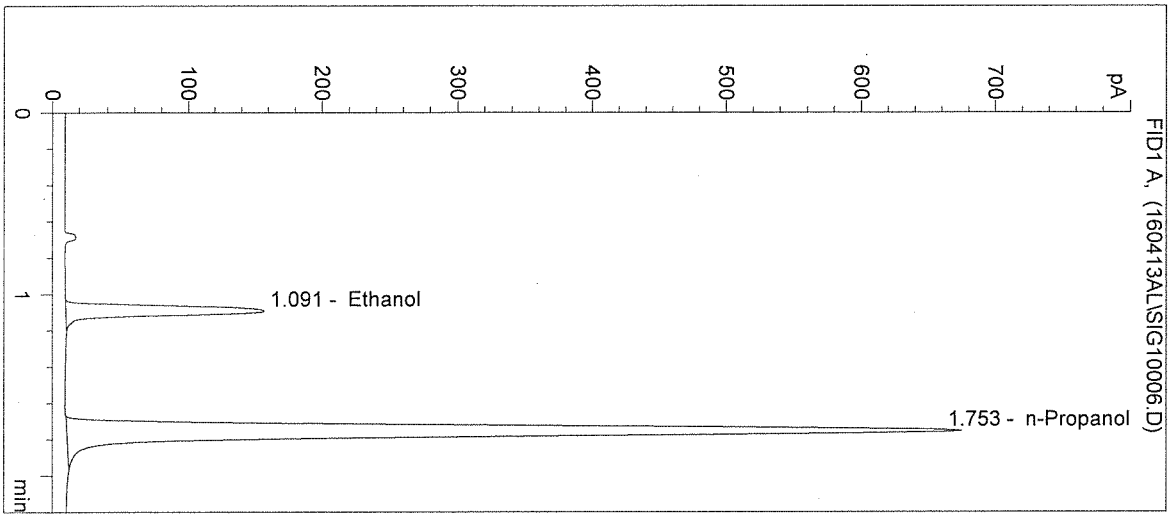


n-Propanol 0.012 g/100mL

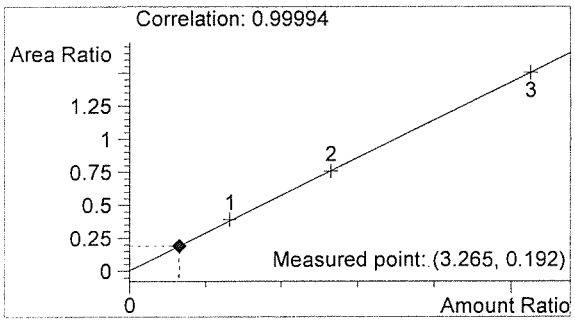
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/13/2016 12:12:05 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ess 16011

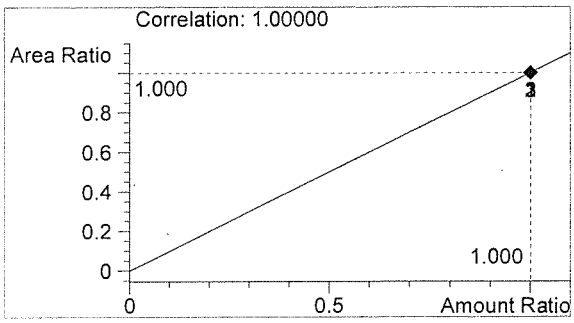
Sample Name: 0.04 ctrl al
Operator: asa louis
Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	503	1.091
2	n-Propanol	2618	1.753



Ethanol 0.039 g/100mL

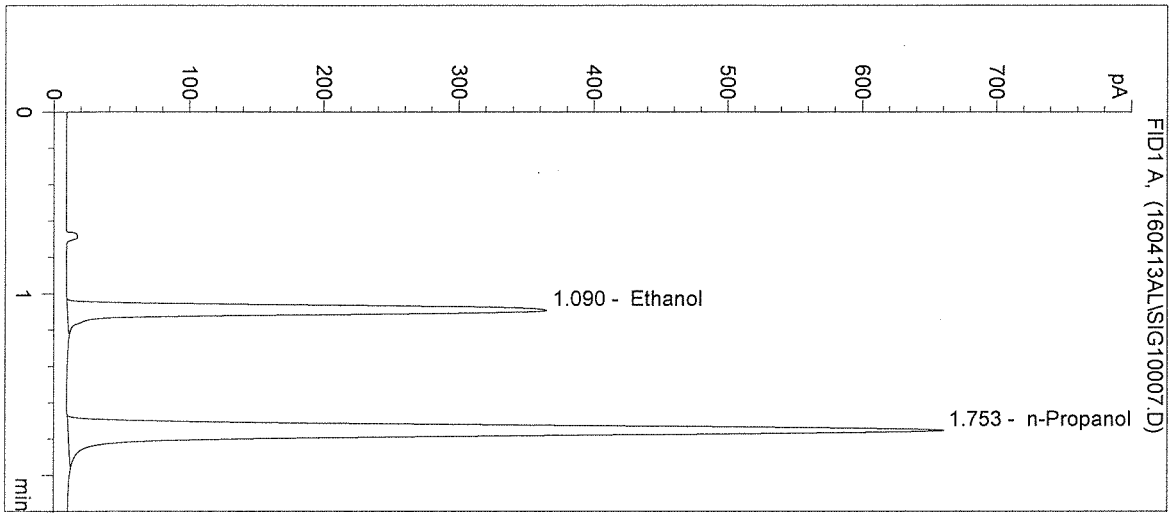


n-Propanol 0.012 g/100mL

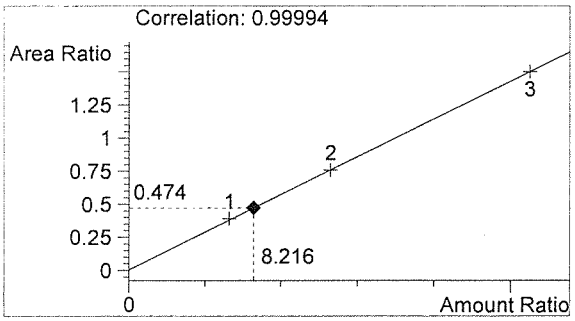
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/13/2016 12:15:18 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ess 16011

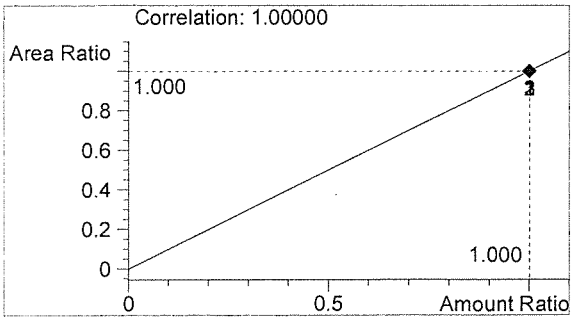
Sample Name: 0.10 ctrl al
Operator: asa louis
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	1212	1.090
2	n-Propanol	2555	1.753



Ethanol 0.099 g/100mL

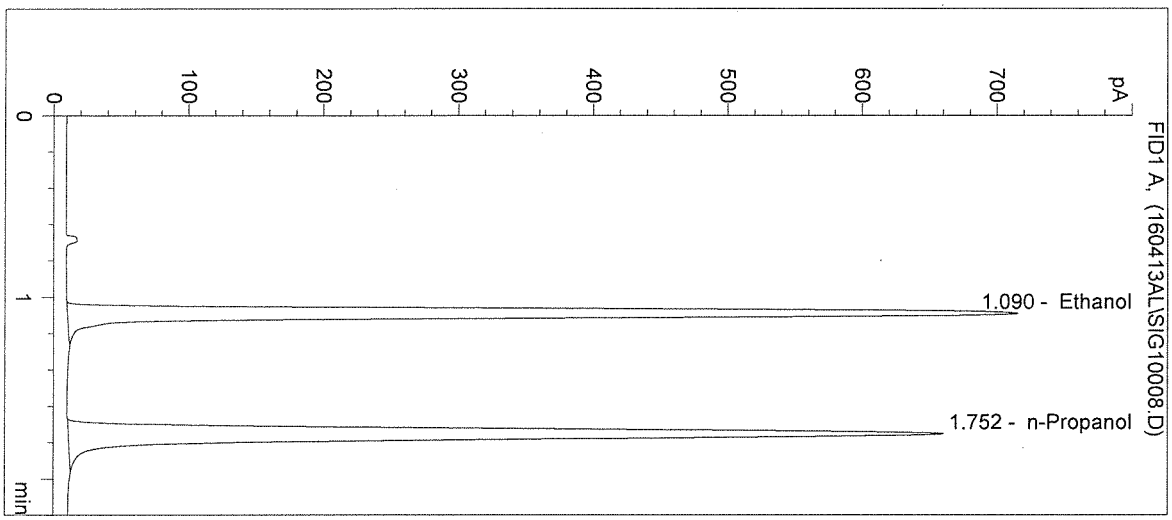


n-Propanol 0.012 g/100mL

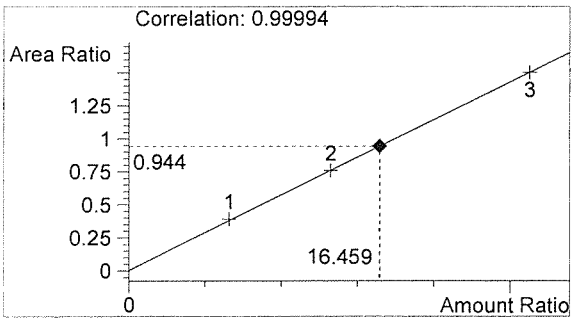
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/13/2016 12:18:31 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ess 16011

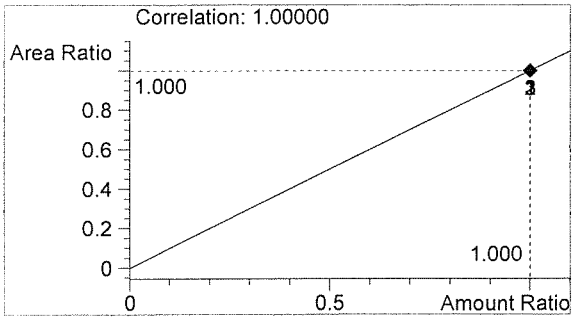
Sample Name: 0.20 ctrl al
Operator: asa louis
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	2407	1.090
2	n-Propanol	2550	1.752



Ethanol 0.198 g/100mL

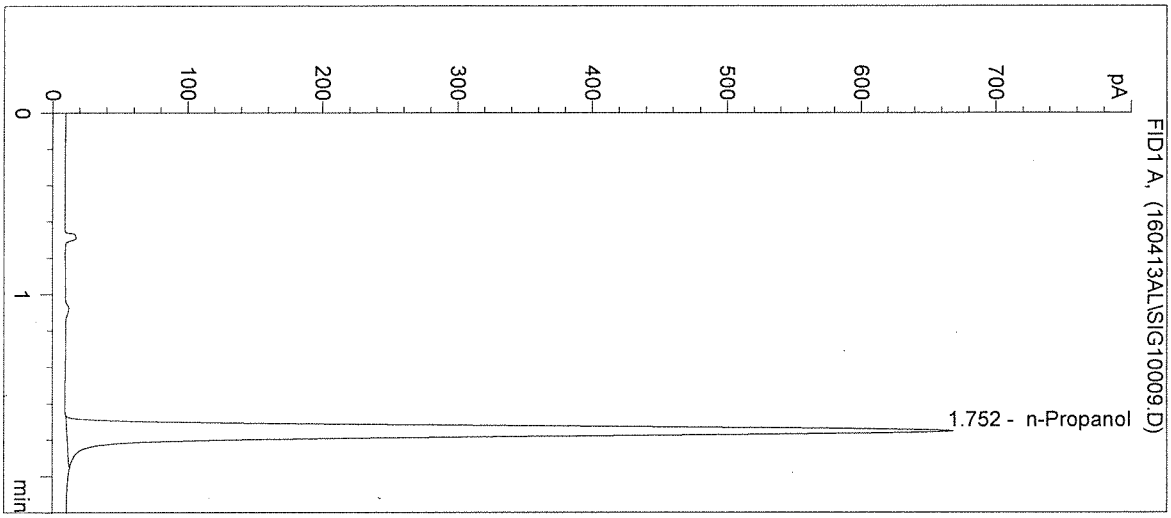


n-Propanol 0.012 g/100mL

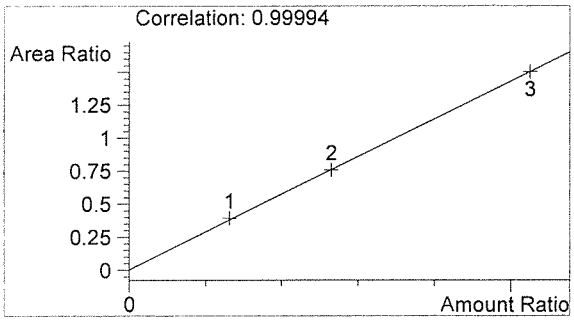
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/13/2016 12:21:45 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ess 16011

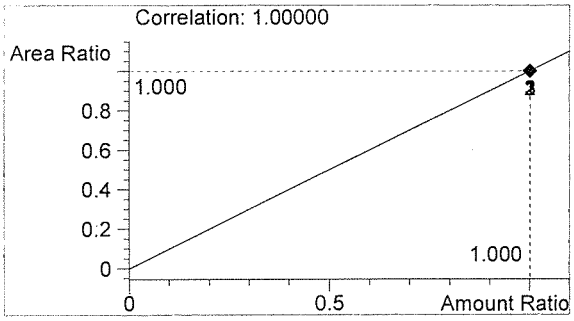
Sample Name: neg control - al
Operator: asa louis
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2584	1.752



Ethanol 0.000 g/100mL



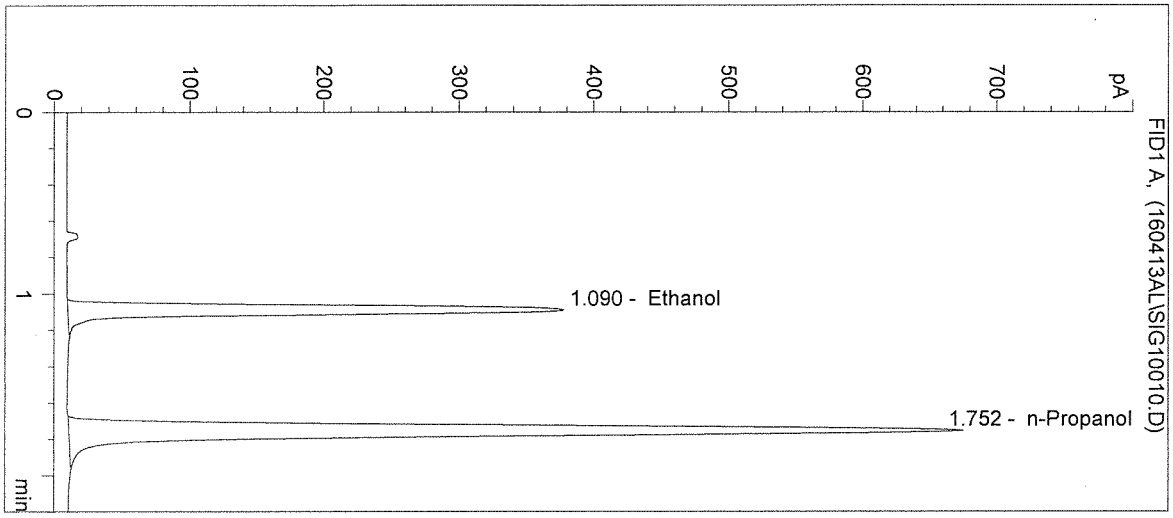
n-Propanol 0.012 g/100mL

AL

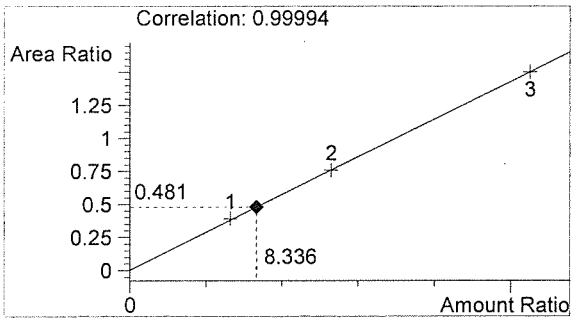
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/13/2016 12:24:56 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

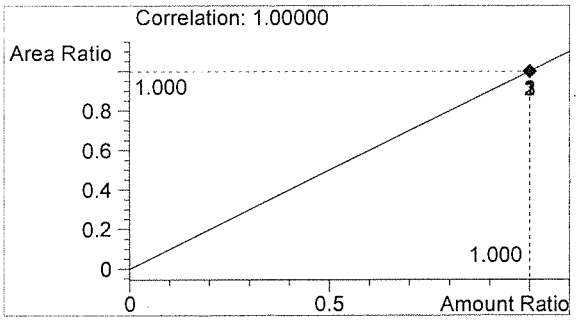
Sample Name: 16011 #1
Operator: asa louis
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	1260	1.090
2	n-Propanol	2620	1.752



Ethanol 0.100 g/100mL

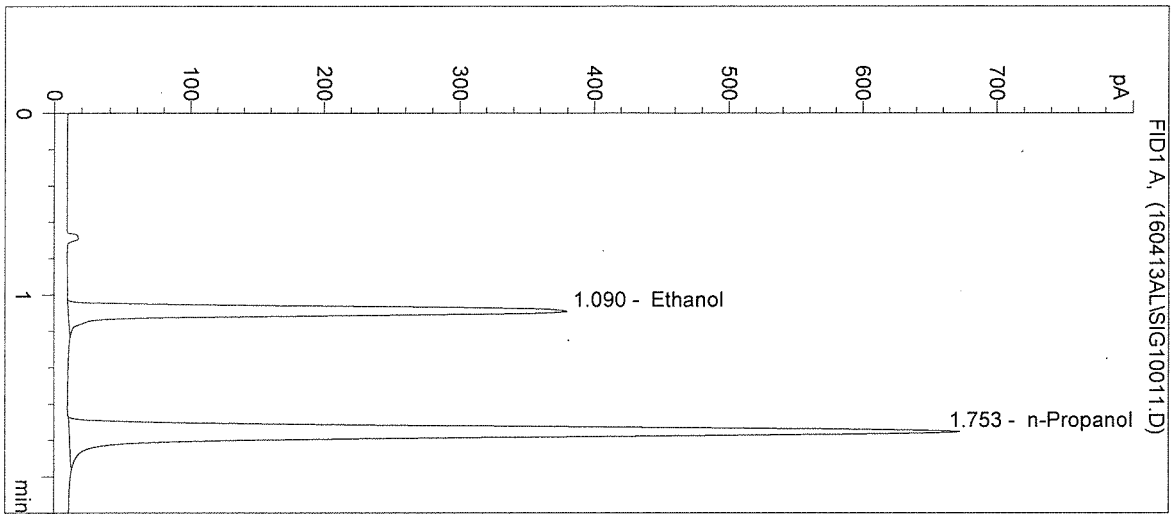


n-Propanol 0.012 g/100mL

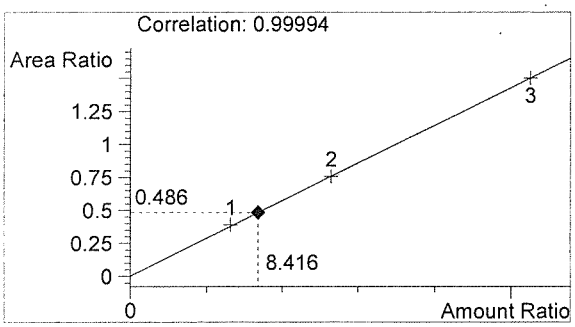
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/13/2016 12:28:09 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

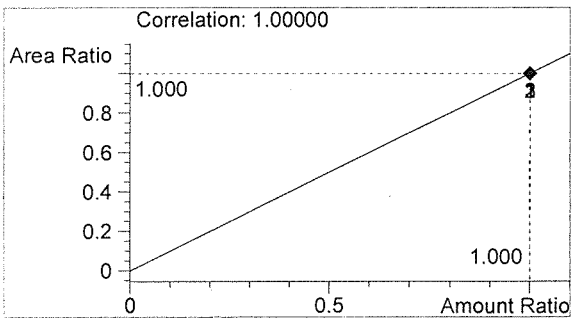
Sample Name: 16011 #2
Operator: asa louis
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	1262	1.090
2	n-Propanol	2600	1.753



Ethanol 0.101 g/100mL

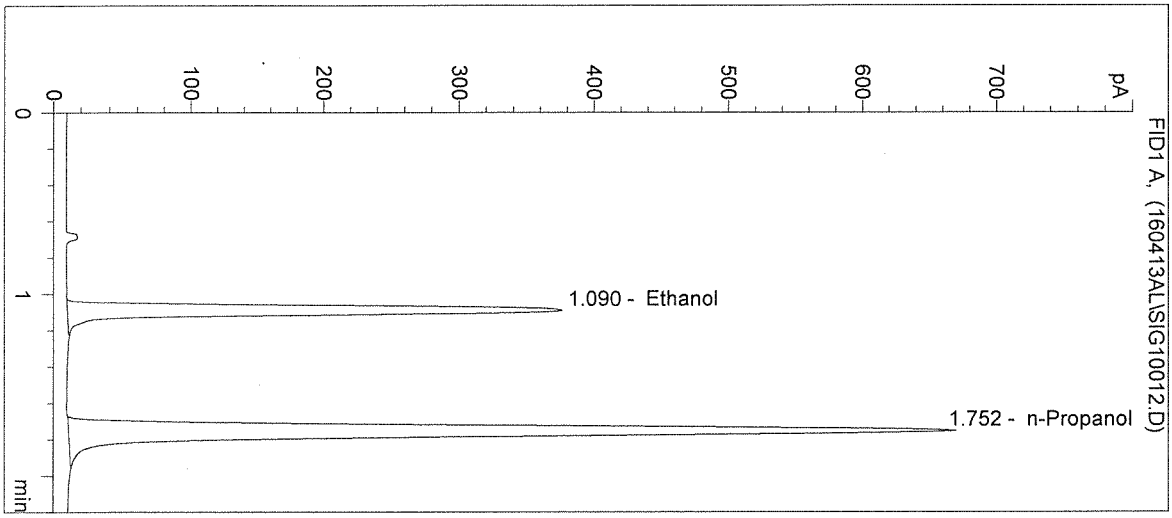


n-Propanol 0.012 g/100mL

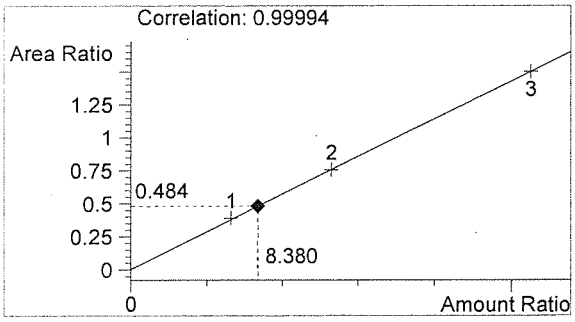
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/13/2016 12:31:22 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

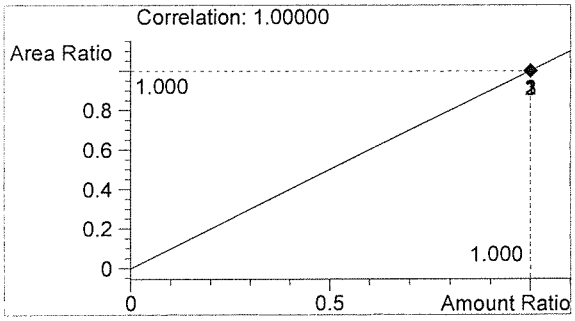
Sample Name: 16011 #3
Operator: asa louis
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	1251	1.090
2	n-Propanol	2588	1.752



Ethanol 0.101 g/100mL

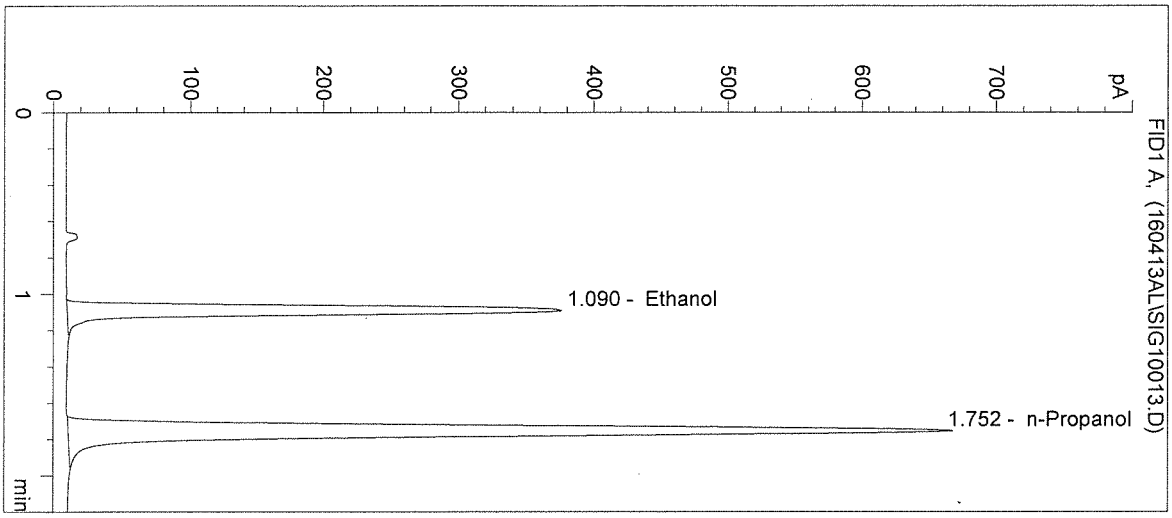


n-Propanol 0.012 g/100mL

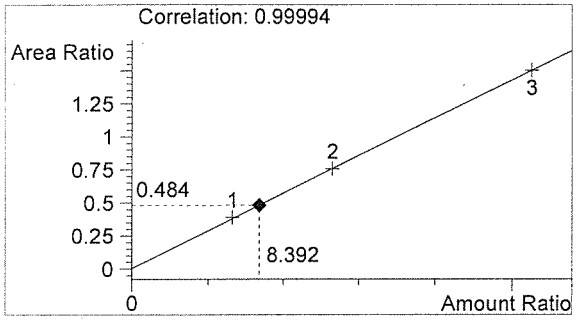
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/13/2016 12:34:36 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

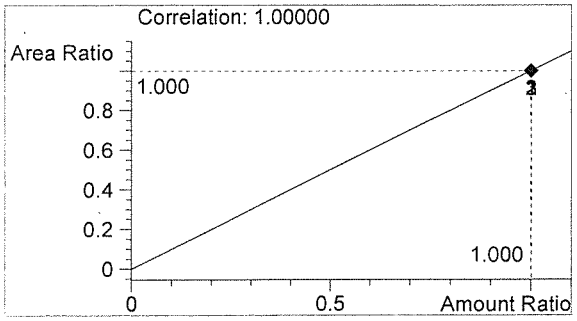
Sample Name: 16011 #4
Operator: asa louis
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	1253	1.090
2	n-Propanol	2588	1.752



Ethanol 0.101 g/100mL

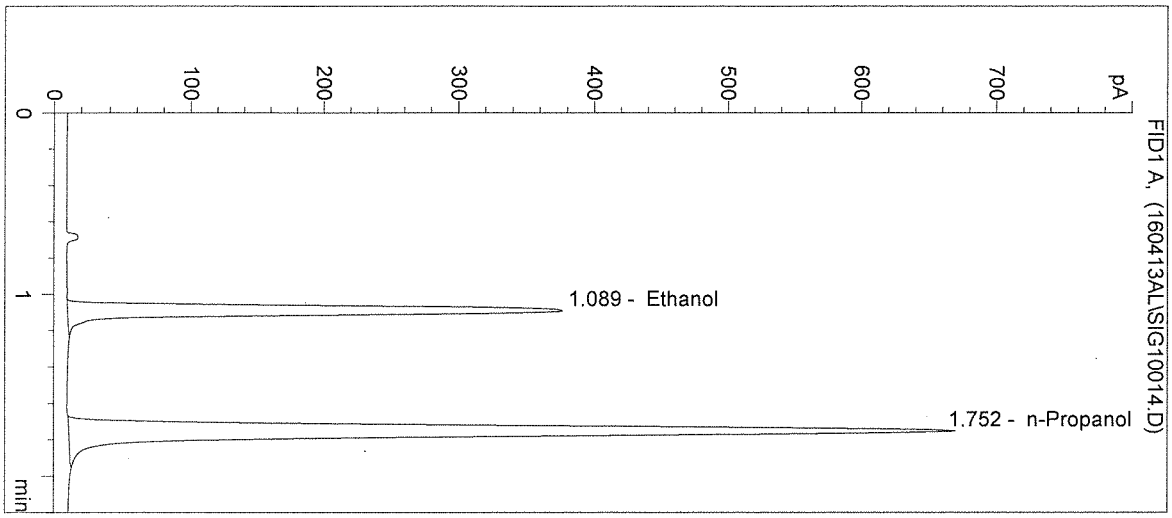


n-Propanol 0.012 g/100mL

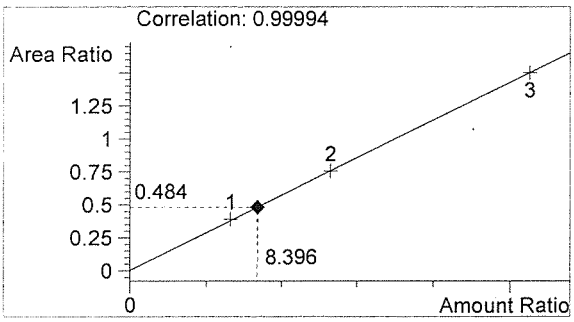
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/13/2016 12:37:49 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

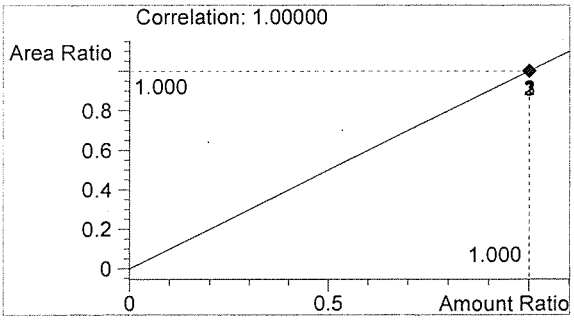
Sample Name: 16011 #5
Operator: asa louis
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	1253	1.089
2	n-Propanol	2586	1.752



Ethanol 0.101 g/100mL

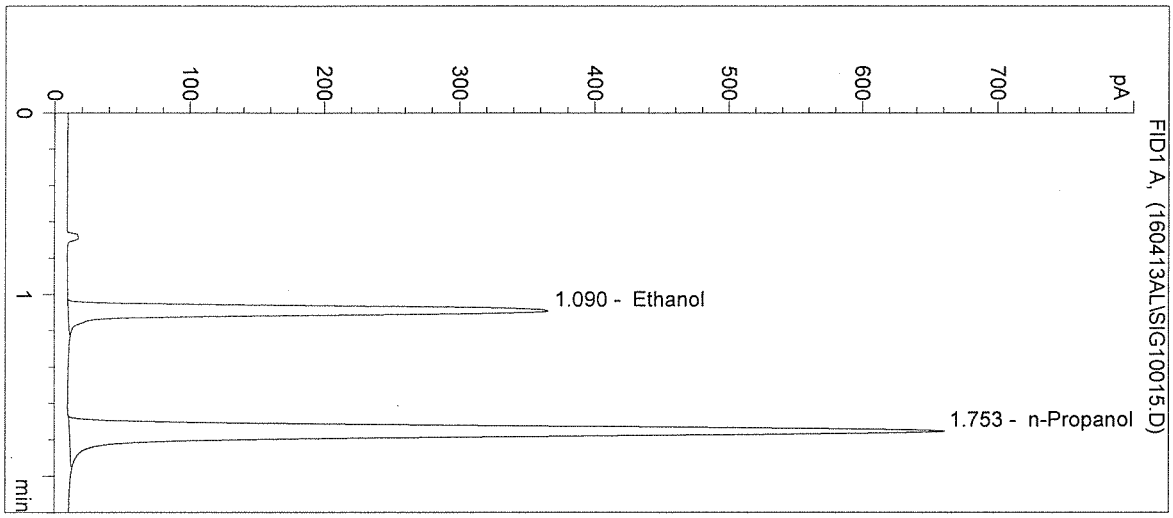


n-Propanol 0.012 g/100mL

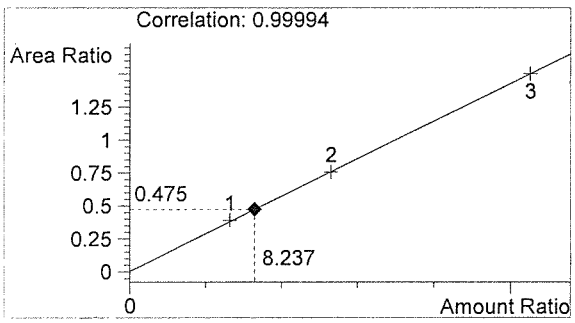
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/13/2016 12:41:02 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ess 16011

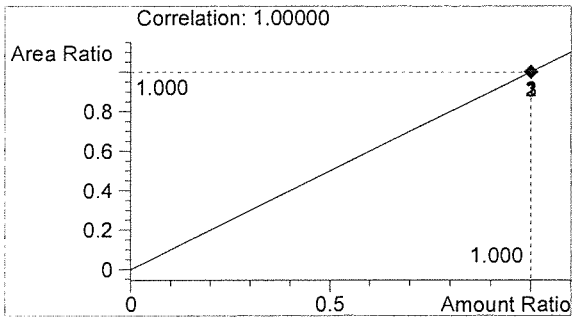
Sample Name: 0.10 ctrl al
Operator: asa louis
Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	1214	1.090
2	n-Propanol	2552	1.753



Ethanol 0.099 g/100mL

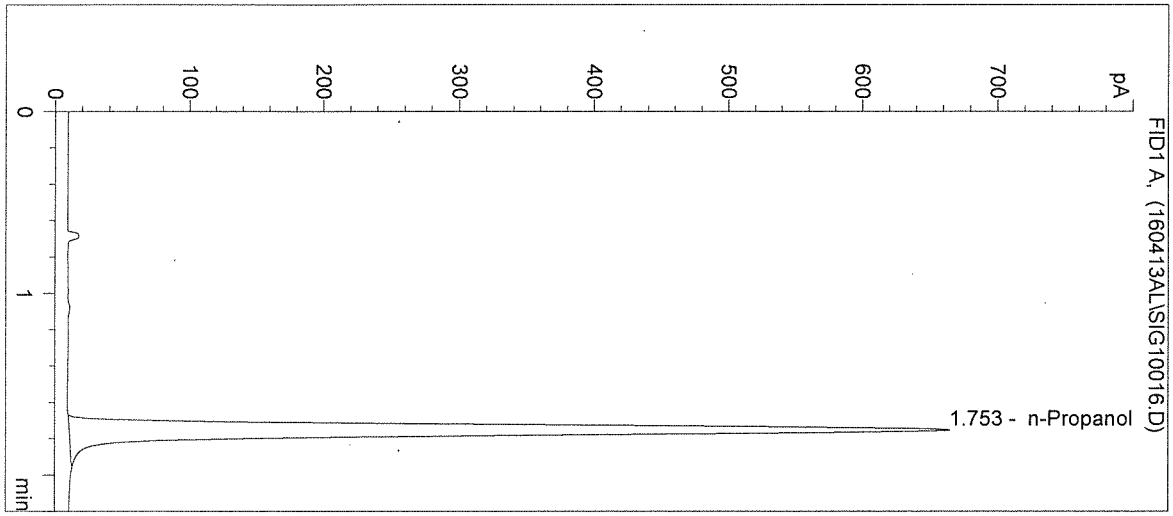


n-Propanol 0.012 g/100mL

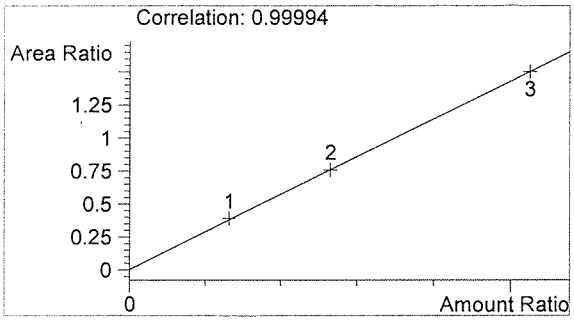
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/13/2016 12:44:15 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ess 16011

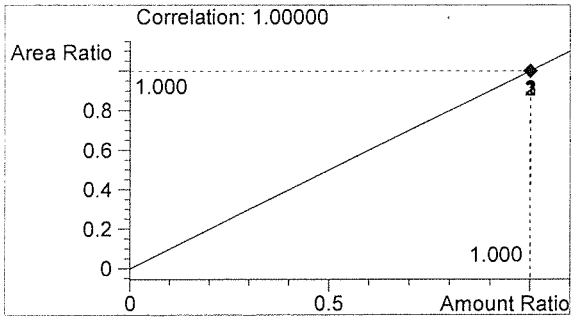
Sample Name: neg control - al
Operator: asa louis
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2578	1.753



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

Sequence: C:\HPCHEM\1\SEQUENCE\CJEXTST1.S

Sequence Parameters:

Operator:	Chris Johnston
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	160414CJ
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: P0316 - X: 06/29/16

Calibration vials 1-9 filed with ~~16012.~~ CJ 4/15/16
16011

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 - CJ	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL - CJ	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL - CJ	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL - CJ	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL - CJ	SIMALC1	1	Ctrl Samp		
10	Vial 10	ESS 16011 #1	SIMALC1	1	Sample		
11	Vial 11	ESS 16011 #2	SIMALC1	1	Sample		
12	Vial 12	ESS 16011 #3	SIMALC1	1	Sample		
13	Vial 13	ESS 16011 #4	SIMALC1	1	Sample		
14	Vial 14	ESS 16011 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL - CJ	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL - CJ	SIMALC1	1	Ctrl Samp		
17	Vial 17	ESS 16012 #1	SIMALC1	1	Sample		
18	Vial 18	ESS 16012 #2	SIMALC1	1	Sample		
19	Vial 19	ESS 16012 #3	SIMALC1	1	Sample		
20	Vial 20	ESS 16012 #4	SIMALC1	1	Sample		
21	Vial 21	ESS 16012 #5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL - CJ	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL - CJ	SIMALC1	1	Ctrl Samp		

= 16011
Jn 4/25/16

Sequence: C:\HPCHEM\1\SEQUENCE\CJEXTST1.S

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

16011

Jn 4/25/16

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

Calibration Table

Calib. Data Modified : Thursday, April 14, 2016 6:19:07 PM

Calculate : Internal Standard
Based on : Peak Area

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

Curve Type : Linear
Origin : Included
Weight : Equal

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

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

Sample ISTD Information:

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

Signal 1: FID1 A,

RetTime [min]	Sig	Lvl	Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.091	1	1	7.91100e-2	994.12701	7.95774e-5	1		Ethanol
		2	1.59090e-1	1914.94617	8.30781e-5			
		3	3.15200e-1	3888.21021	8.10656e-5			
1.753	1	1	1.20000e-2	2607.72339	4.60172e-6	I1		n-Propanol
		2	1.20000e-2	2542.29321	4.72015e-6			
		3	1.20000e-2	2580.77026	4.64977e-6			

16011
Jny/25/16

Peak Sum Table

No Entries in table

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Calibration Curves

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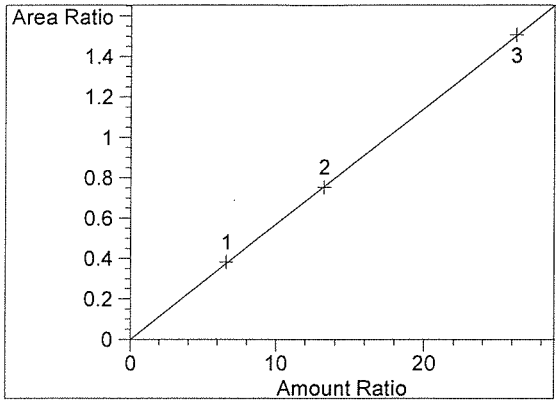
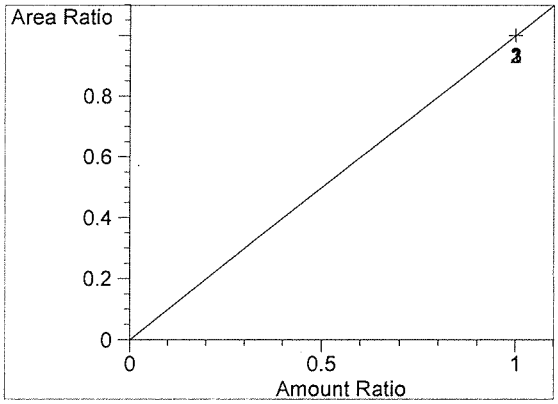


Ethanol at exp. RT: 1.091
FID1 A,
Correlation: 0.99998
Residual Std. Dev.: 0.00524
Formula: y = mx + b
m: 5.72849e-2
b: -1.79523e-4
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.753
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

==========

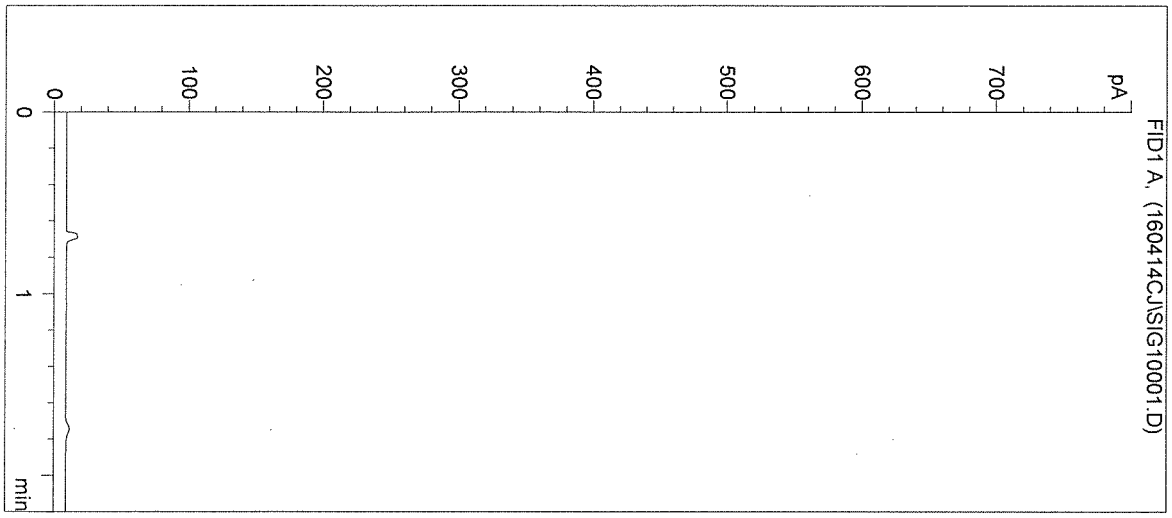
16011

Jn 4/25/16

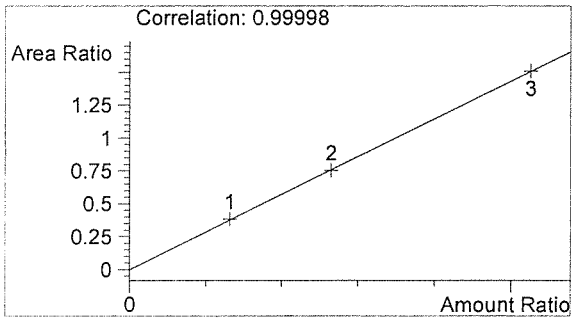
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/14/2016 6:07:01 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ~~15032~~ CJ 4/26/16
16011

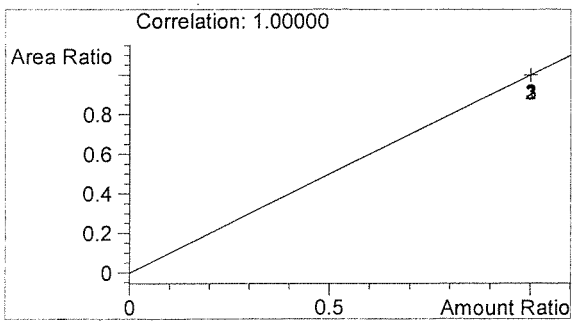
Sample Name: BLANK
Operator: Chris Johnston
Location: Vial 1



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



Ethanol 0.000 g/100mL

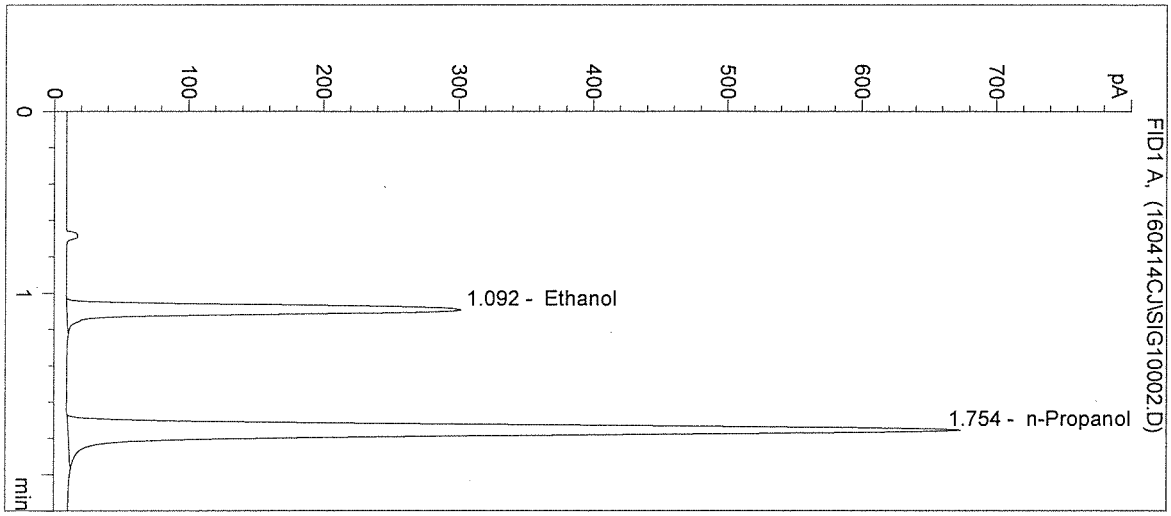


n-Propanol 0.000 g/100mL

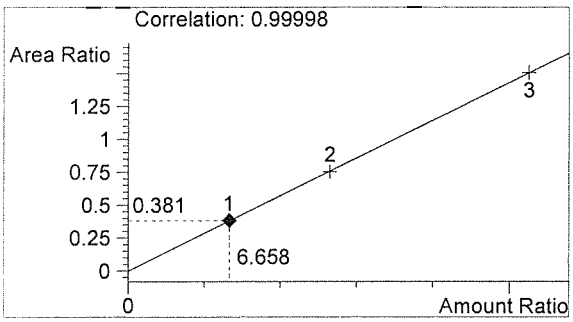
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/14/2016 6:10:21 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ~~15032~~ 16011 G 4/26/16

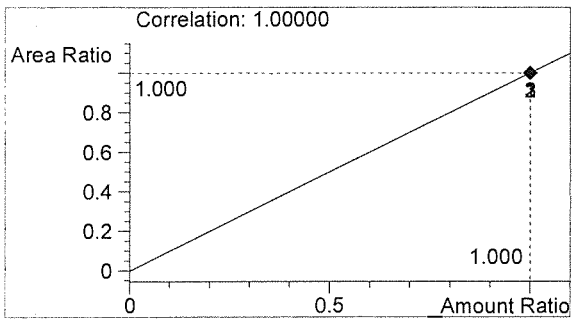
Sample Name: CAL 1 (0.079)
Operator: Chris Johnston
Location: Vial 2



#	Compound	Peak Area	RT (min)
1	Ethanol	994	1.092
2	n-Propanol	2608	1.754



Ethanol 0.080 g/100mL



n-Propanol 0.012 g/100mL

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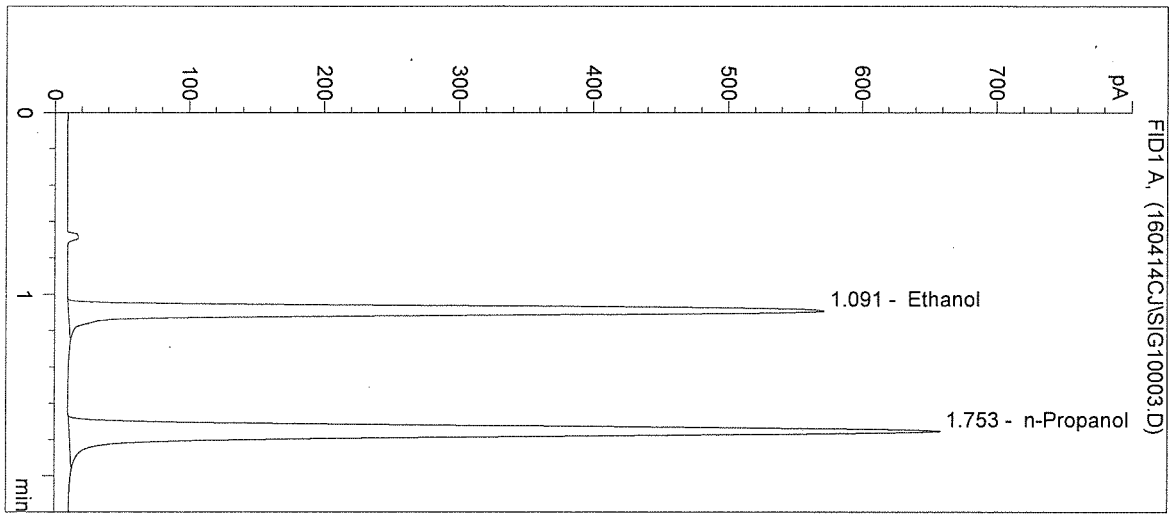
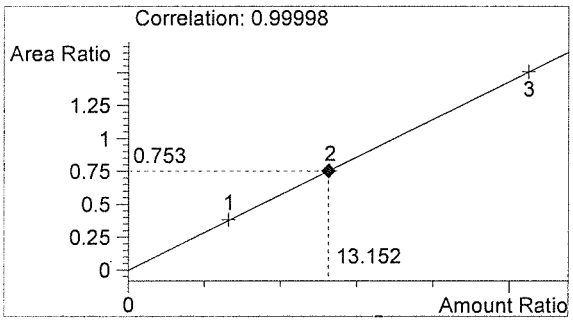
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/14/2016 6:13:37 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ~~15032~~ 16011 CJ 4/26/16

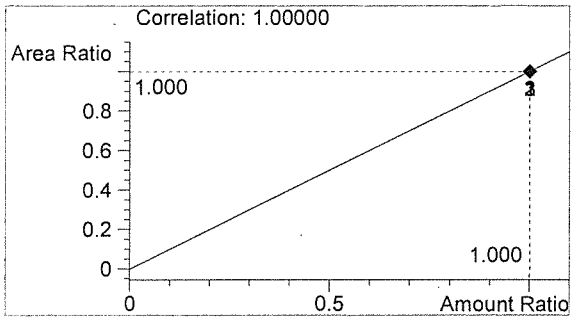
Sample Name: CAL 2 (0.158)
Operator: Chris Johnston
Location: Vial 3



#	Compound	Peak Area	RT (min)
1	Ethanol	1915	1.091
2	n-Propanol	2542	1.753



Ethanol 0.158 g/100mL

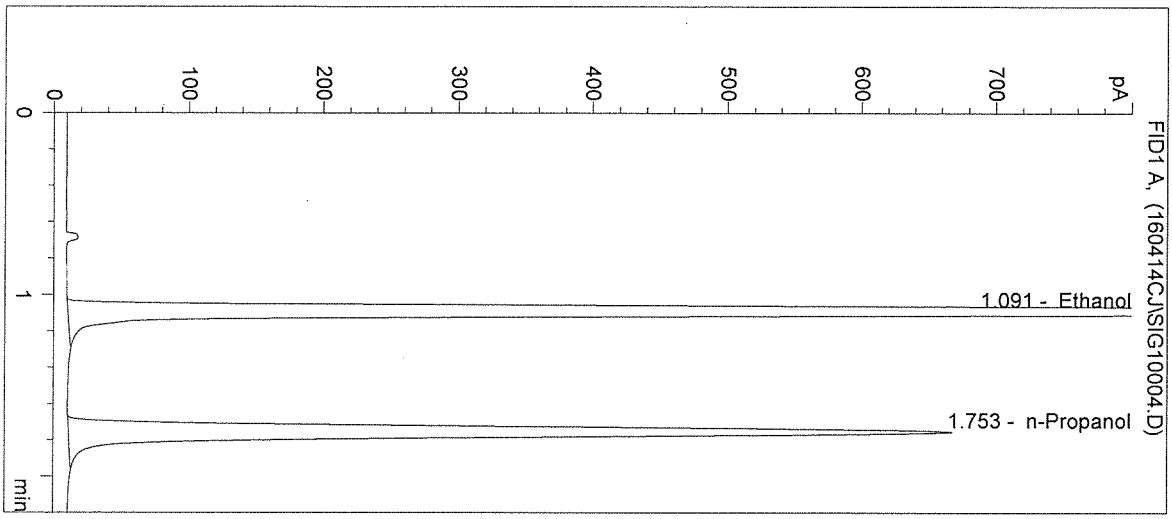


n-Propanol 0.012 g/100mL

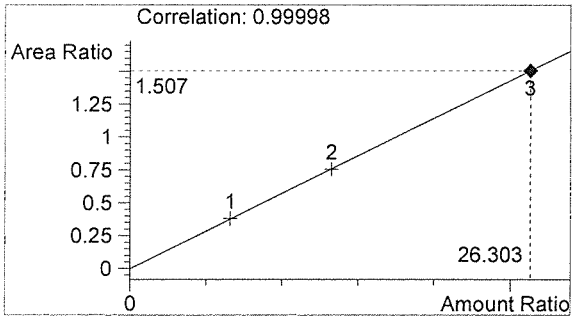
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/14/2016 6:16:54 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ~~15032~~ 16011 CJ 4/26/16

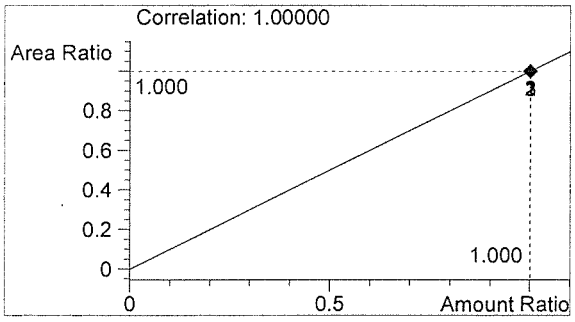
Sample Name: CAL 3 (0.316)
Operator: Chris Johnston
Location: Vial 4



#	Compound	Peak Area	RT (min)
1	Ethanol	3888	1.091
2	n-Propanol	2581	1.753



Ethanol 0.316 g/100mL

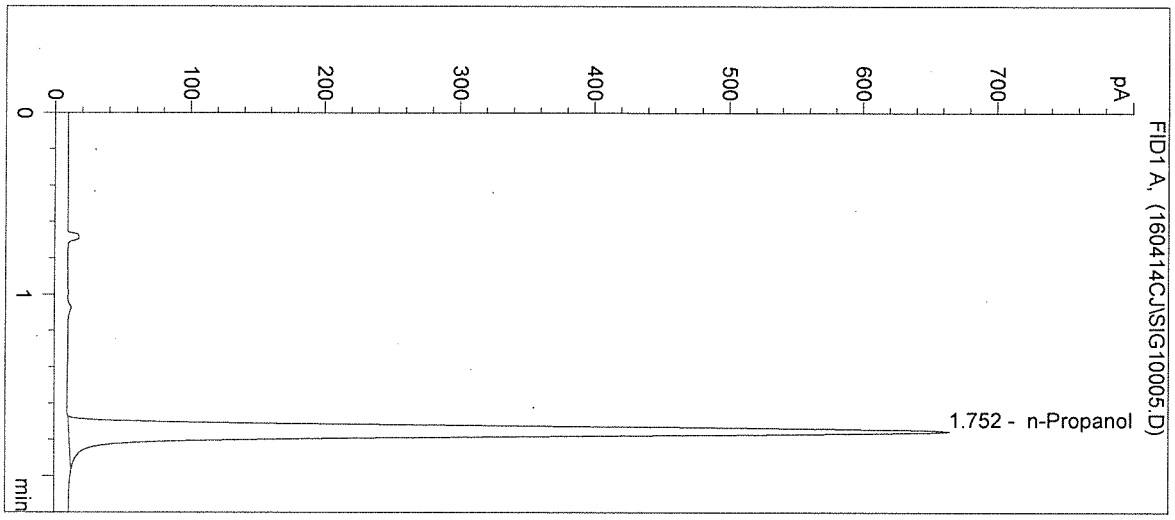


n-Propanol 0.012 g/100mL

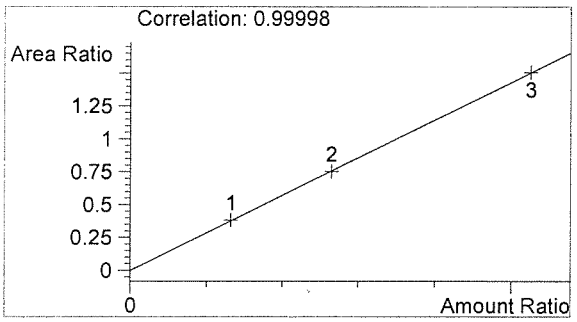
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/14/2016 6:20:07 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ~~15032~~ 16011 4/26/16

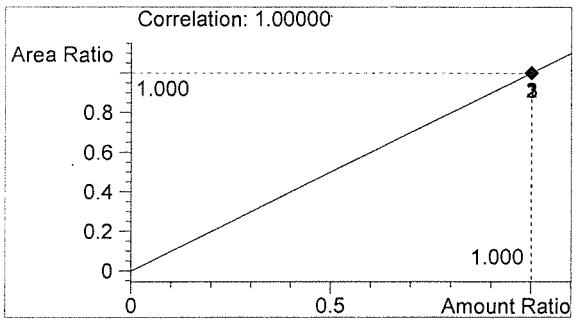
Sample Name: NEG CTRL - CJ
Operator: Chris Johnston
Location: Vial 5



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2570	1.752



Ethanol 0.000 g/100mL

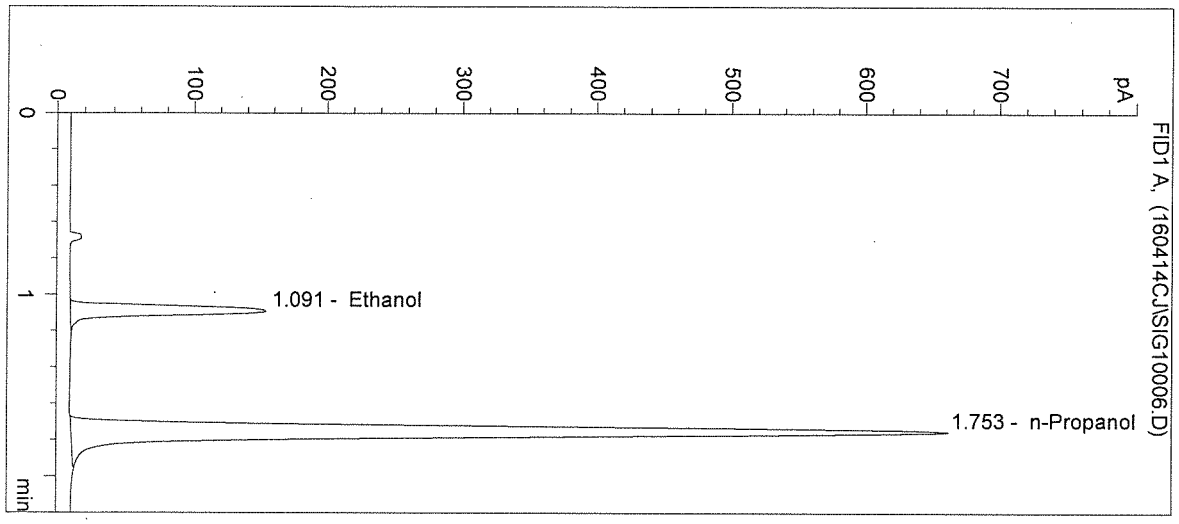


n-Propanol 0.012 g/100mL

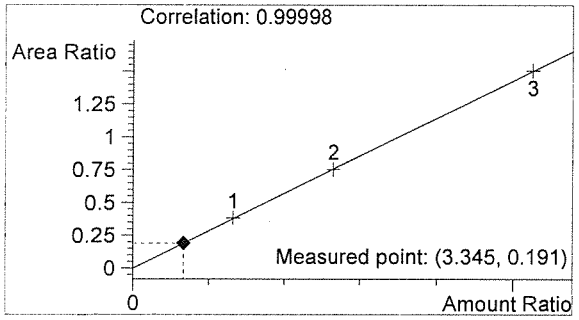
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/14/2016 6:23:20 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ~~15032~~ 16011 CJ 4/26/16

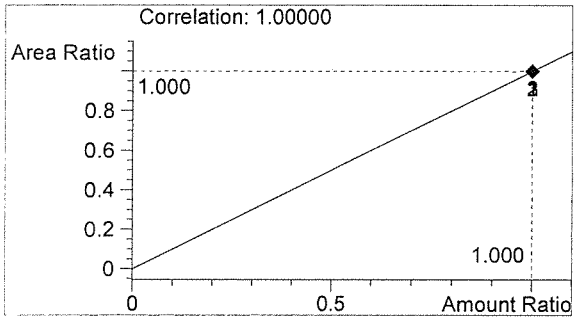
Sample Name: 0.04 CTRL - CJ
Operator: Chris Johnston
Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	491	1.091
2	n-Propanol	2565	1.753



Ethanol 0.040 g/100mL

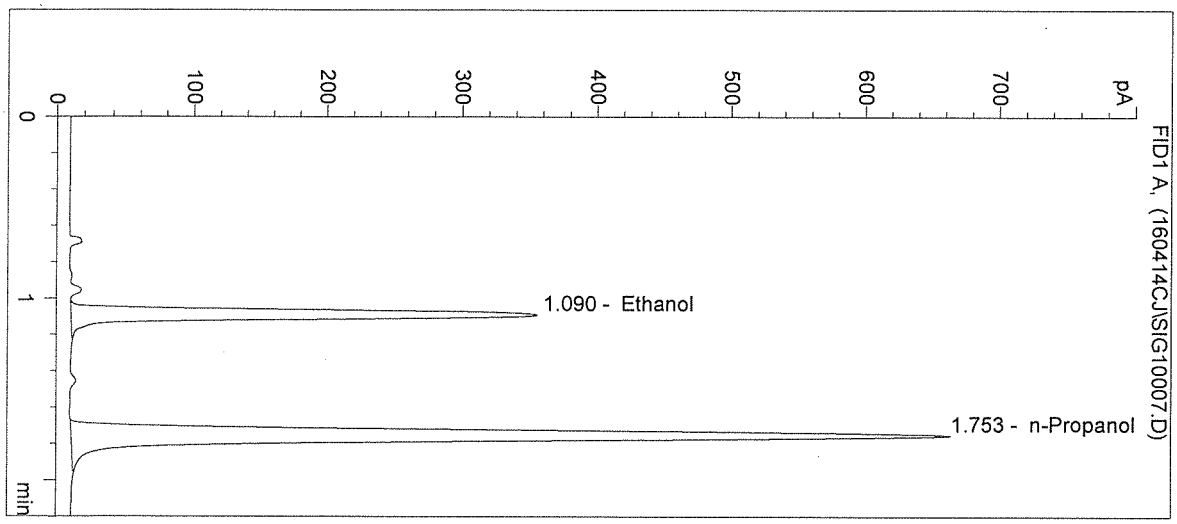


n-Propanol 0.012 g/100mL

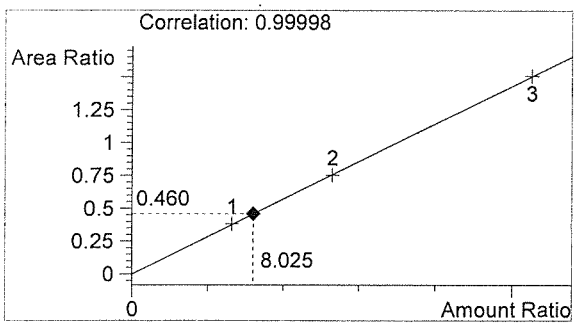
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/14/2016 6:26:33 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ~~1503~~2 16011 CJ 4/26/16

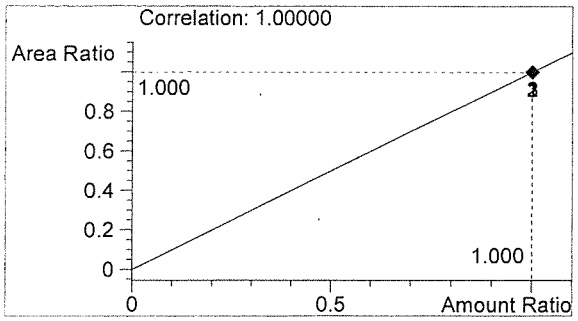
Sample Name: 0.10 CTRL - CJ
Operator: Chris Johnston
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	1181	1.090
2	n-Propanol	2571	1.753



Ethanol 0.096 g/100mL

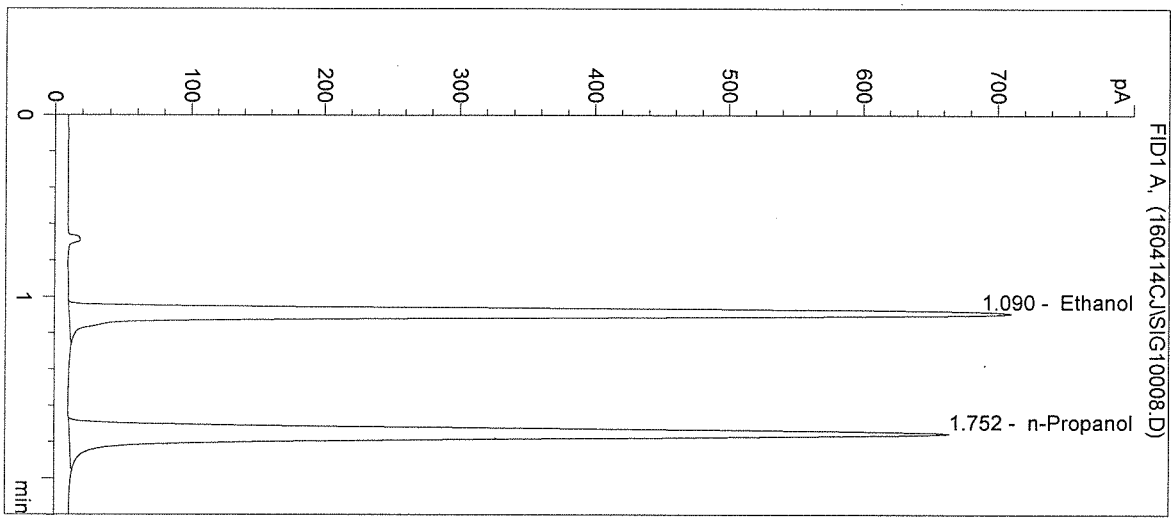


n-Propanol 0.012 g/100mL

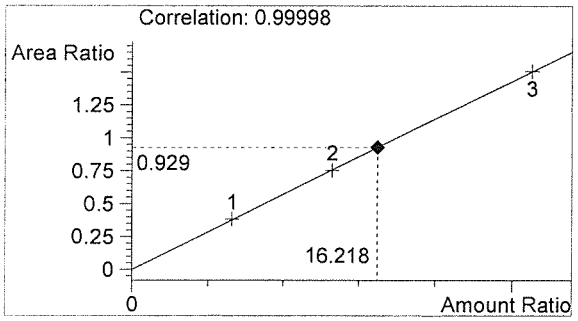
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/14/2016 6:29:46 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15032 16011 CJ 4/28/16

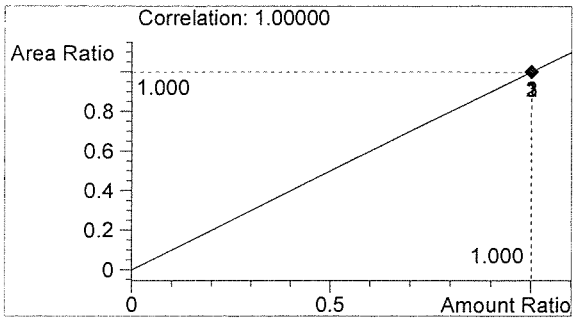
Sample Name: 0.20 CTRL - CJ
Operator: Chris Johnston
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	2381	1.090
2	n-Propanol	2563	1.752



Ethanol 0.195 g/100mL

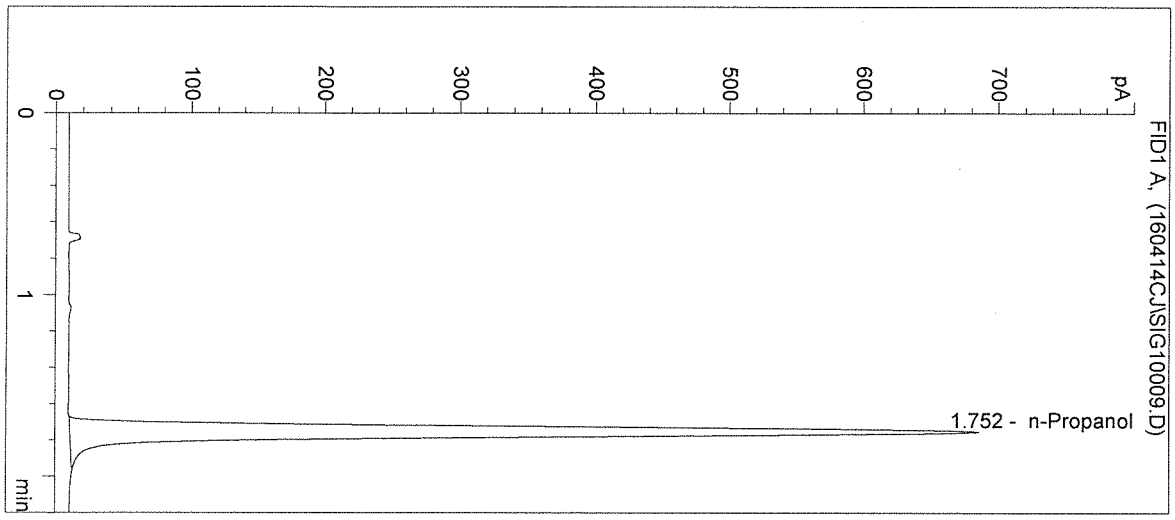


n-Propanol 0.012 g/100mL

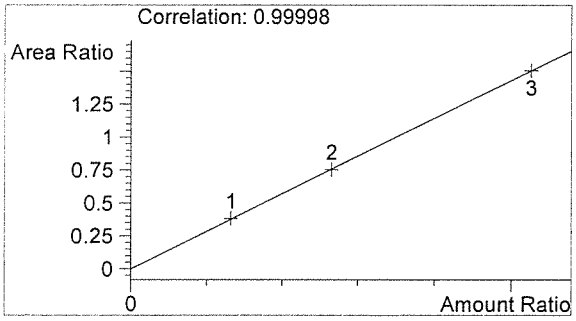
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/14/2016 6:33:00 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ~~15032~~ 16011 CJ 4/26/16

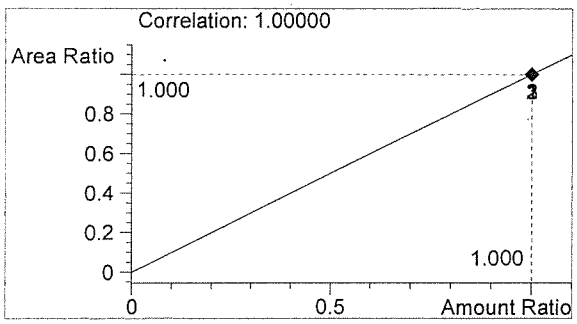
Sample Name: NEG CTRL - CJ
Operator: Chris Johnston
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2652	1.752



Ethanol 0.000 g/100mL

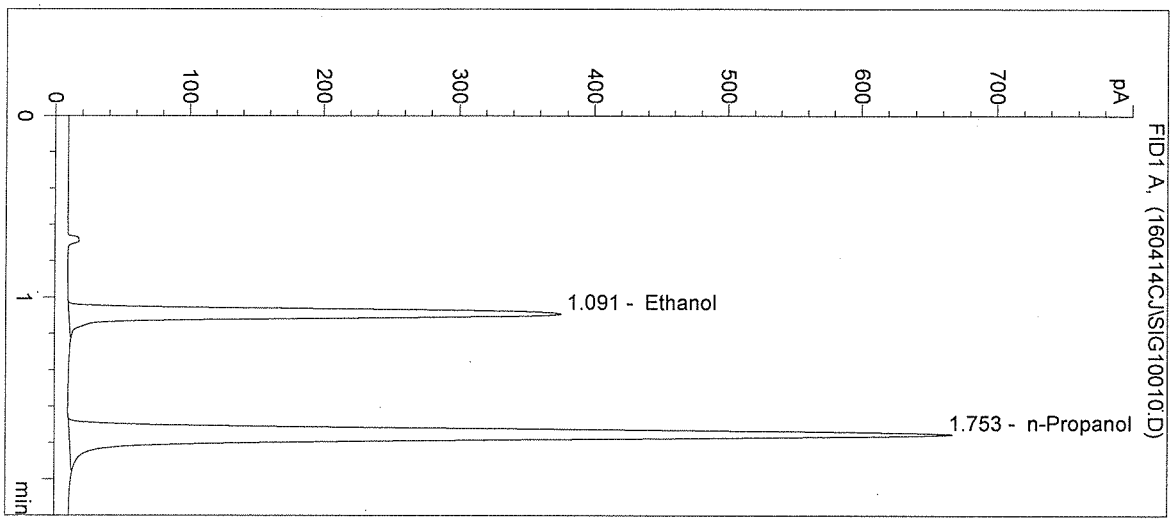


n-Propanol 0.012 g/100mL

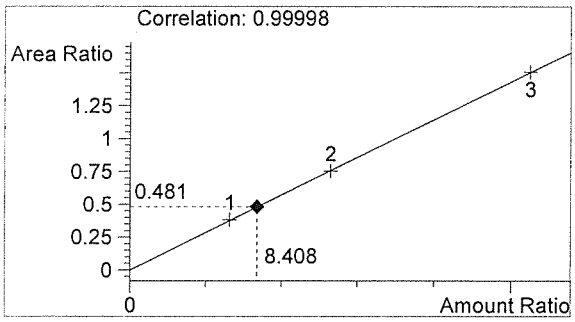
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/14/2016 6:36:13 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

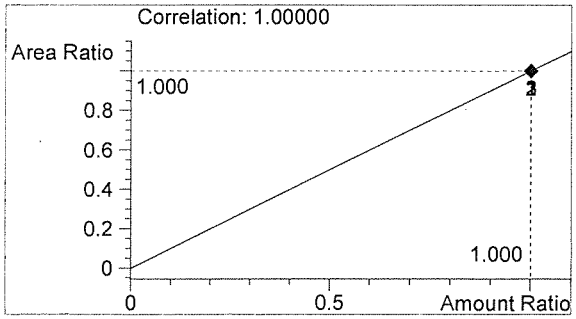
Sample Name: ESS 16011 #1
Operator: Chris Johnston
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	1244	1.091
2	n-Propanol	2585	1.753



Ethanol 0.101 g/100mL

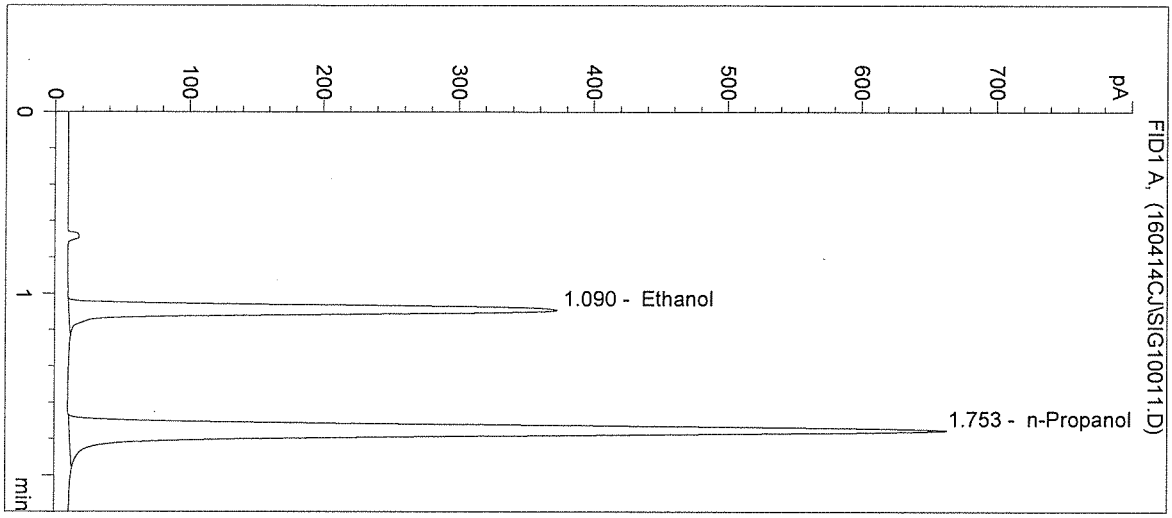


n-Propanol 0.012 g/100mL

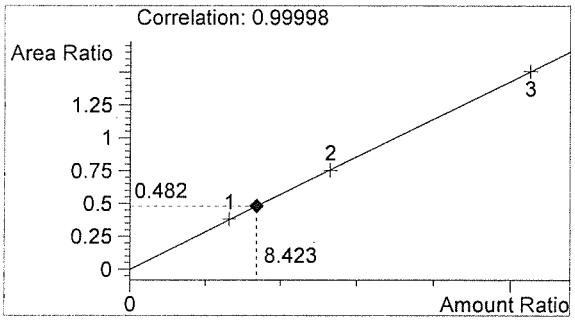
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/14/2016 6:39:26 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

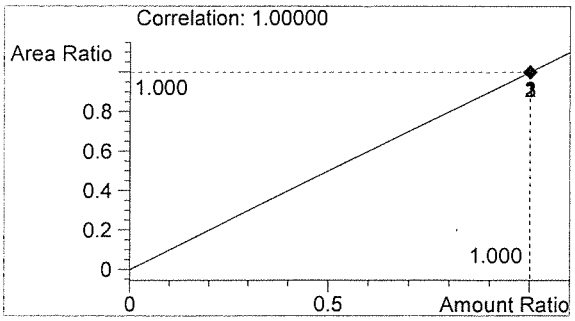
Sample Name: ESS 16011 #2
Operator: Chris Johnston
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	1237	1.090
2	n-Propanol	2564	1.753



Ethanol 0.101 g/100mL

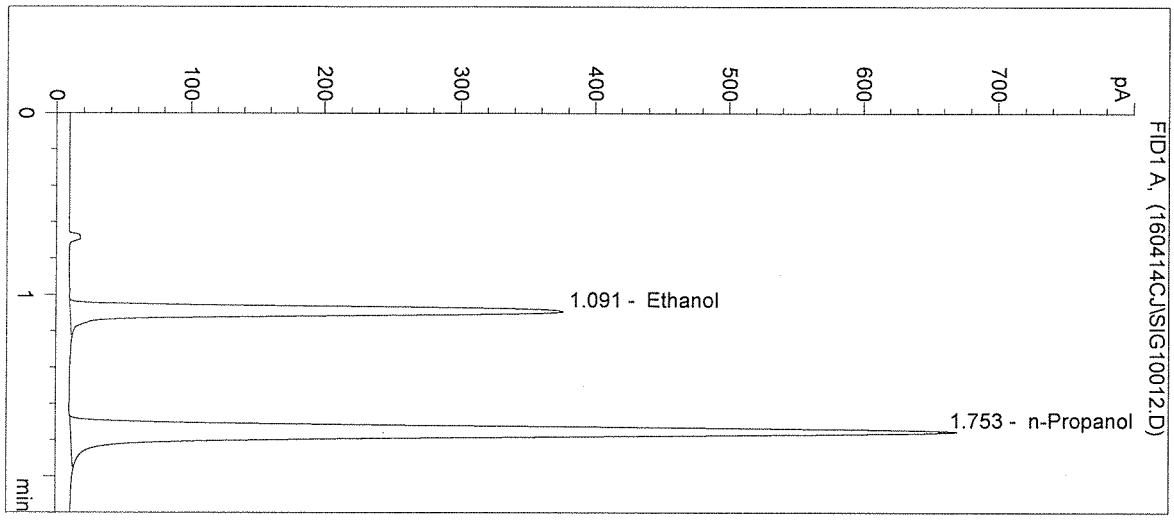


n-Propanol 0.012 g/100mL

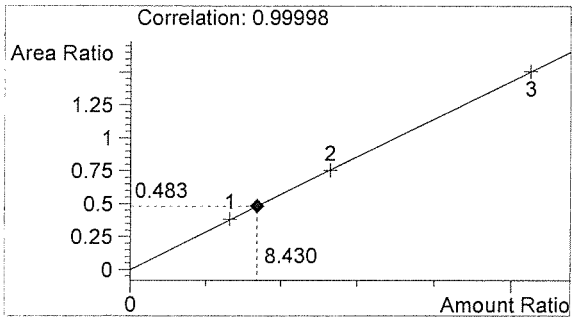
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/14/2016 6:42:39 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

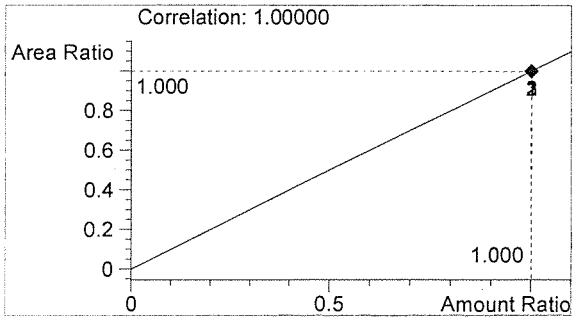
Sample Name: ESS 16011 #3
Operator: Chris Johnston
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	1253	1.091
2	n-Propanol	2595	1.753



Ethanol 0.101 g/100mL

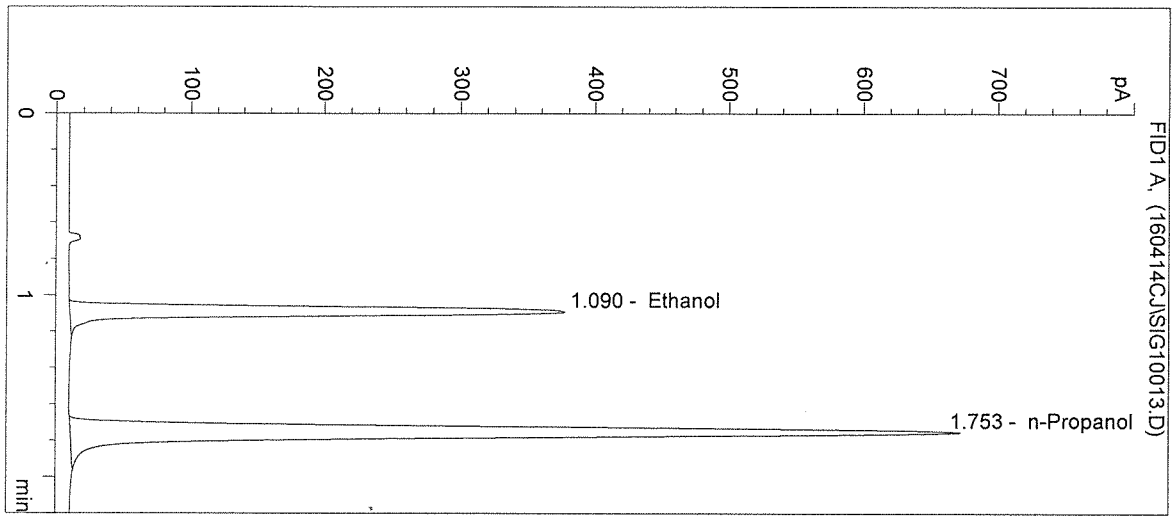


n-Propanol 0.012 g/100mL

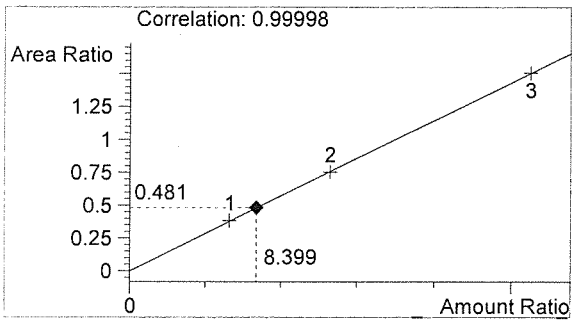
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/14/2016 6:45:53 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

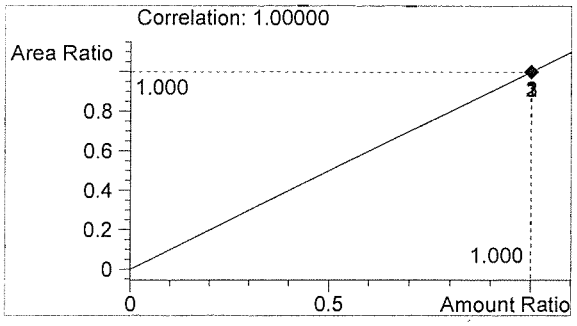
Sample Name: ESS 16011 #4
Operator: Chris Johnston
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	1250	1.090
2	n-Propanol	2600	1.753



Ethanol 0.101 g/100mL

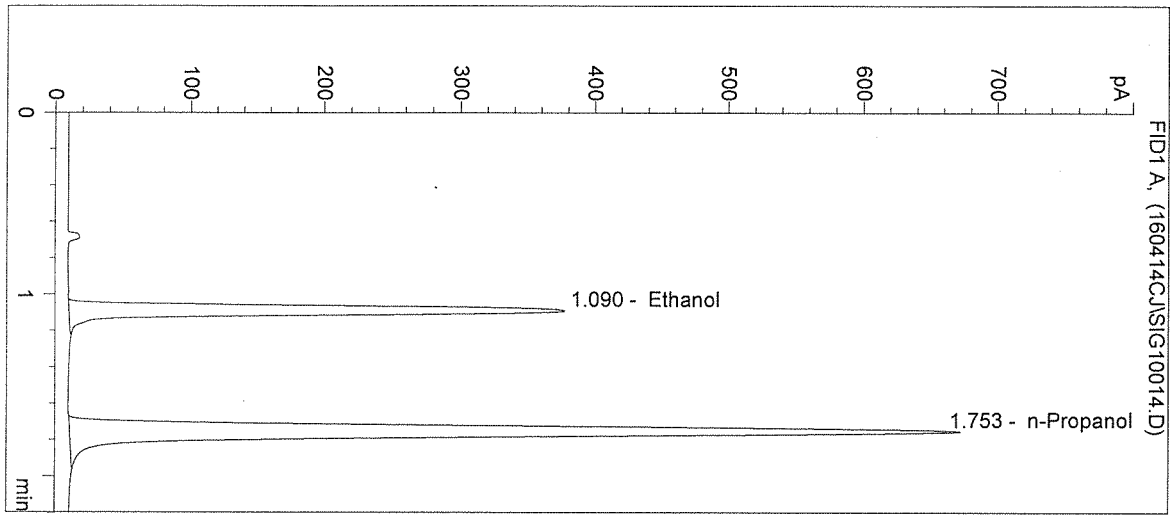


n-Propanol 0.012 g/100mL

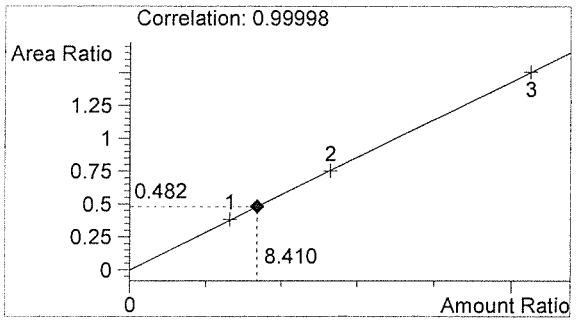
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/14/2016 6:49:06 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

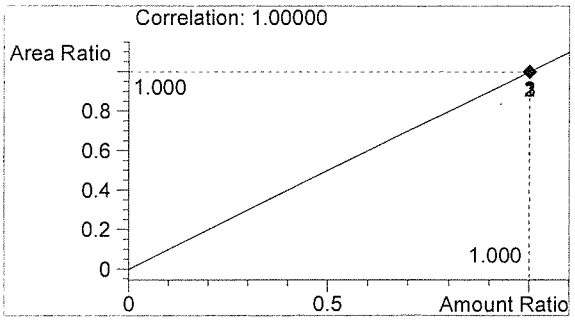
Sample Name: ESS 16011 #5
Operator: Chris Johnston
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	1254	1.090
2	n-Propanol	2604	1.753



Ethanol 0.101 g/100mL

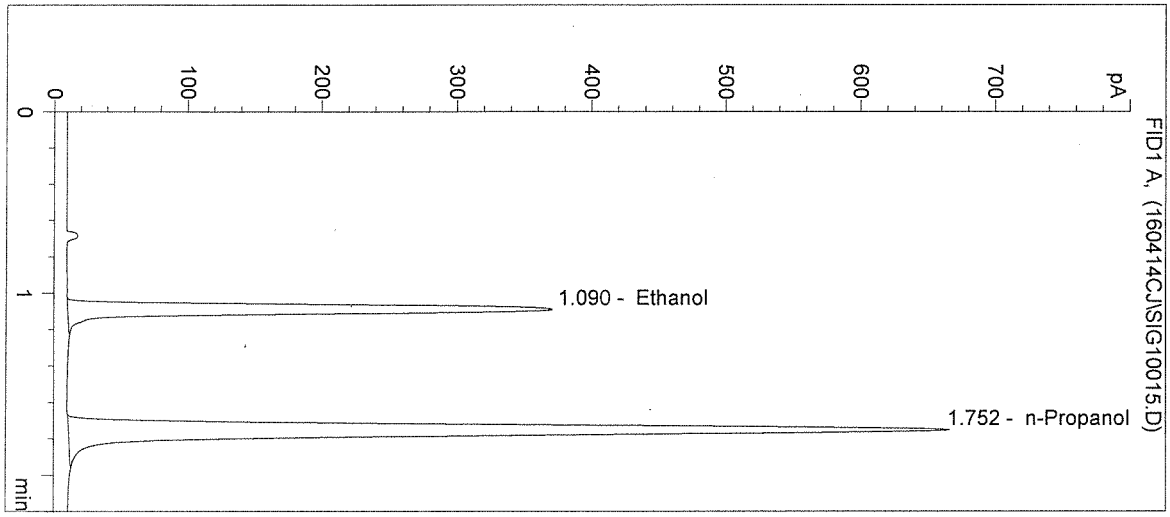


n-Propanol 0.012 g/100mL

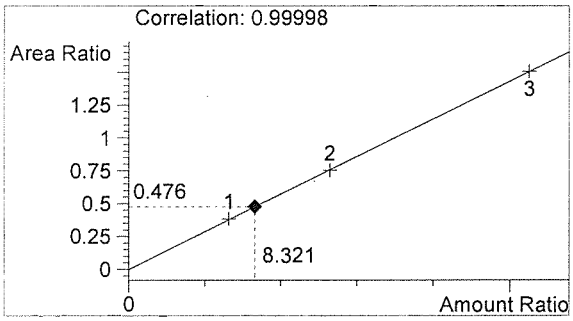
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/14/2016 6:52:19 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ~~15032~~ CJ 4/26/16
16011

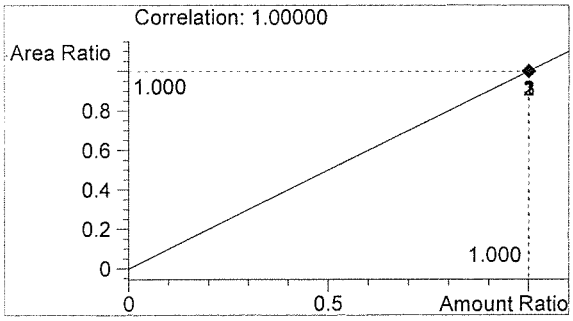
Sample Name: 0.10 CTRL - CJ
Operator: Chris Johnston
Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	1225	1.090
2	n-Propanol	2571	1.752



Ethanol 0.100 g/100mL



n-Propanol 0.012 g/100mL

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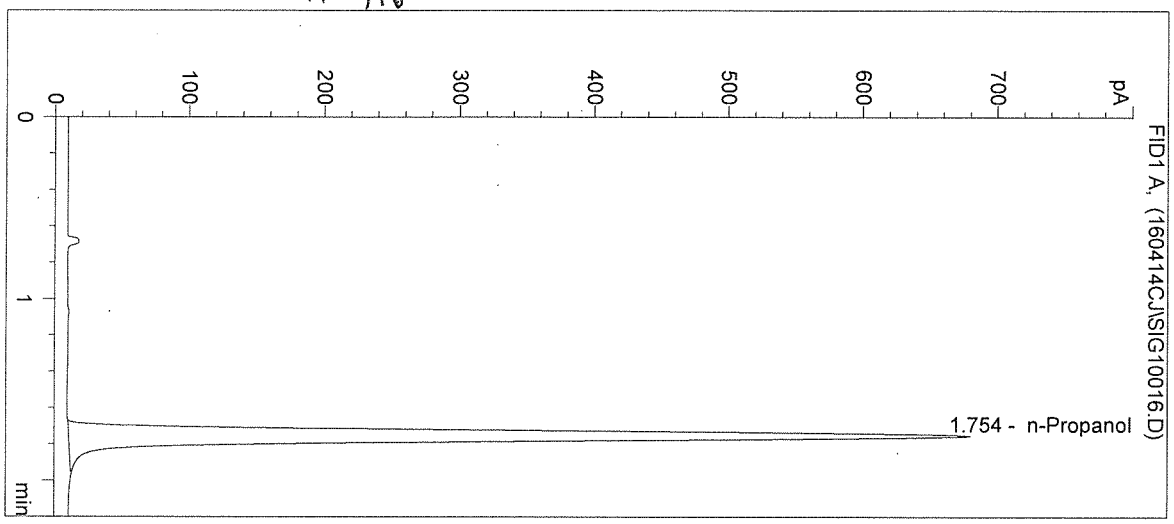
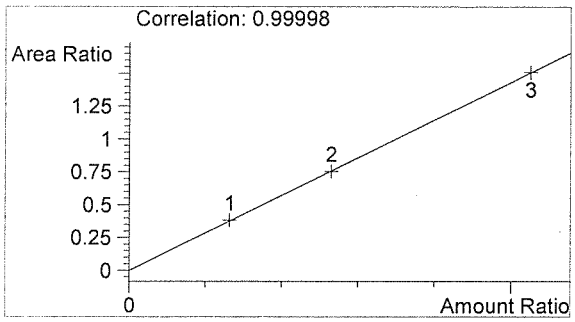
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/14/2016 6:55:33 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ~~15032~~ 1601
w 4/20/16

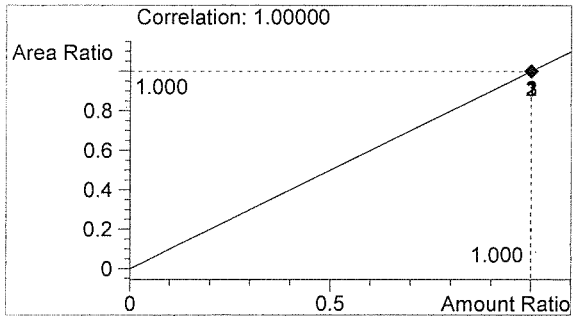
Sample Name: NEG CTRL - CJ
Operator: Chris Johnston
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2634	1.754



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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

Sequence Parameters:

Operator:	Rebecca Flaherty
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:	160421RF
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 - Exp 10/01/16
Cal 2 (0.158 g/100mL) - Lot#E0416-02 - Exp 10/01/16
Cal 3 (0.316 g/100mL) - Lot#E0416-03 - Exp 10/01/16

CTRL 1 (0.04 g/100mL) - Lot#FN05011301 - Exp 05/2018
CTRL 2 (0.10 g/100mL) - Lot#FN08051301 - Exp 10/2018
CTRL 3 (0.20 g/100mL) - Lot#FN03211401 - Exp 06/2019

n-Propanol ISTD - Lot# P0316 - Exp 06/29/16

Calibration vials 1-9 filed with 16011.

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	16011 #1	SIMALC1	1	Sample		
11	Vial 11	16011 #2	SIMALC1	1	Sample		
12	Vial 12	16011 #3	SIMALC1	1	Sample		
13	Vial 13	16011 #4	SIMALC1	1	Sample		
14	Vial 14	16011 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp		
17	Vial 17	16012 #1	SIMALC1	1	Sample		
18	Vial 18	16012 #2	SIMALC1	1	Sample		
19	Vial 19	16012 #3	SIMALC1	1	Sample		
20	Vial 20	16012 #4	SIMALC1	1	Sample		
21	Vial 21	16012 #5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		

16011
fm 4/25/16

RF

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

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

16011

fm 4/25/16

RF

Calibration Table

Calib. Data Modified : Thursday, April 21, 2016 10:48:39 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
1.092	1	1	7.91100e-2	1003.22406	7.88558e-5	1		Ethanol
		2	1.59090e-1	1945.98596	8.17529e-5			
		3	3.15200e-1	3886.41113	8.11031e-5			
1.754	1	1	1.20000e-2	2647.59375	4.53242e-6	I1		n-Propanol
		2	1.20000e-2	2584.82422	4.64248e-6			
		3	1.20000e-2	2592.99609	4.62785e-6			

16011
Fry 4/25/16

Peak Sum Table

No Entries in table

RF

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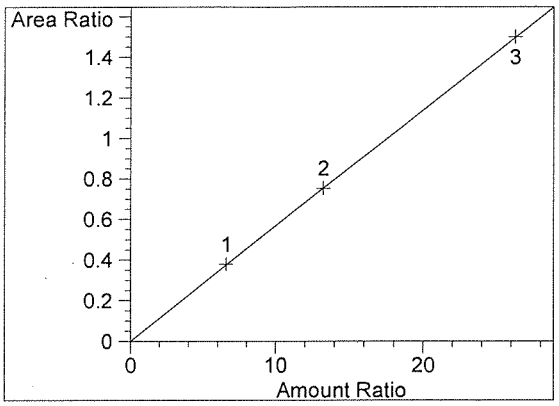
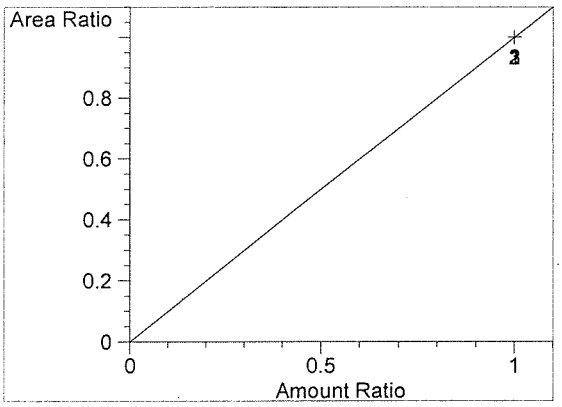
Calibration Curves

==========



Ethanol at exp. RT: 1.092
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00312
Formula: y = mx + b
m: 5.70088e-2
b: 3.81184e-4
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

==========

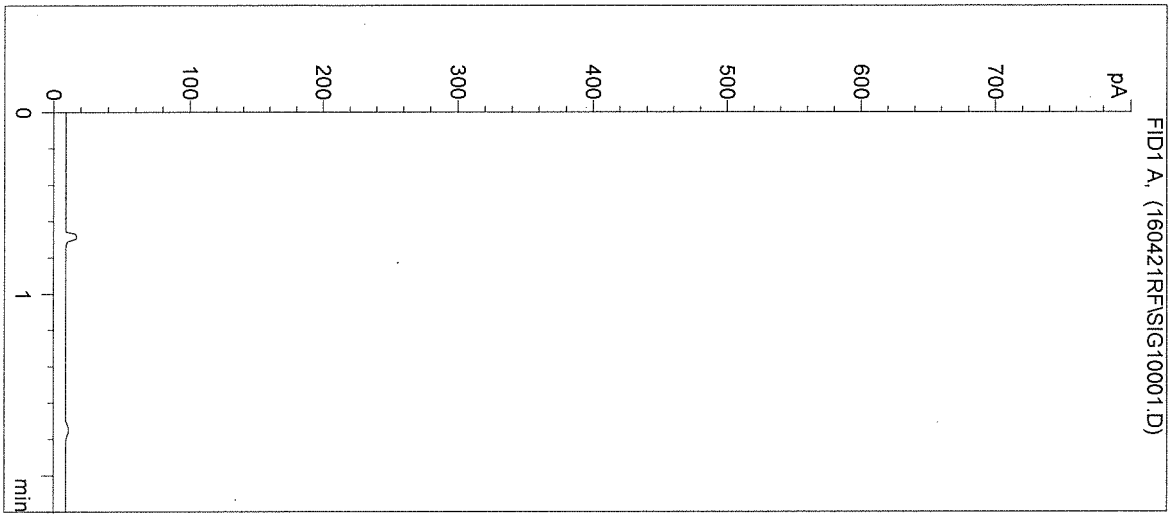
16011
Jnyks/16

RF

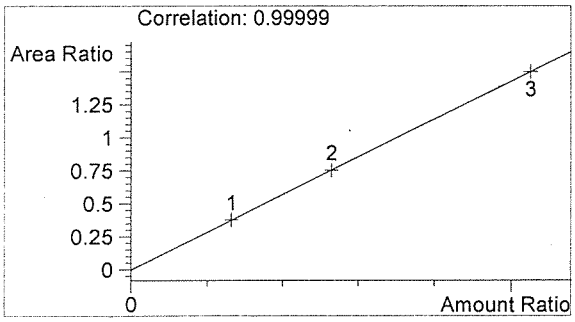
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/21/2016 10:36:33 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

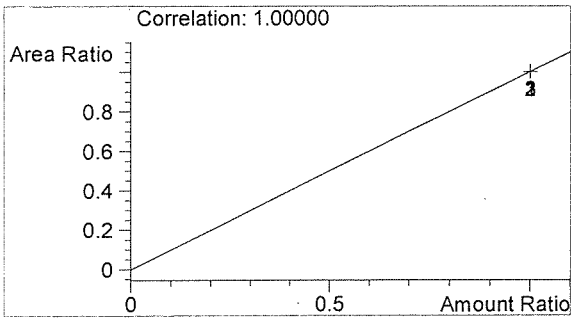
Sample Name: BLANK
Operator: Rebecca Flaherty
Location: Vial 1



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



Ethanol 0.000 g/100mL

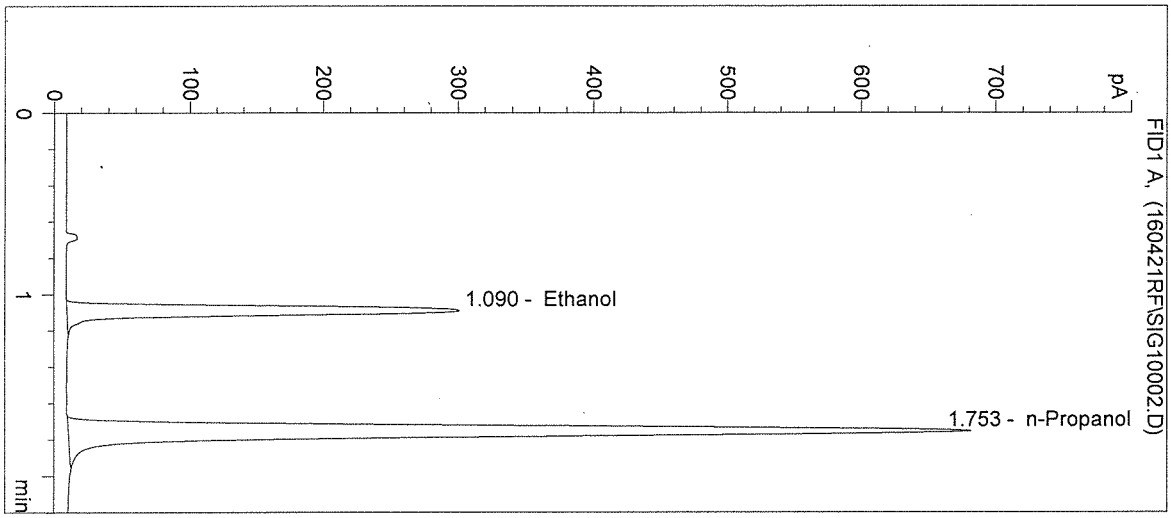


n-Propanol 0.000 g/100mL

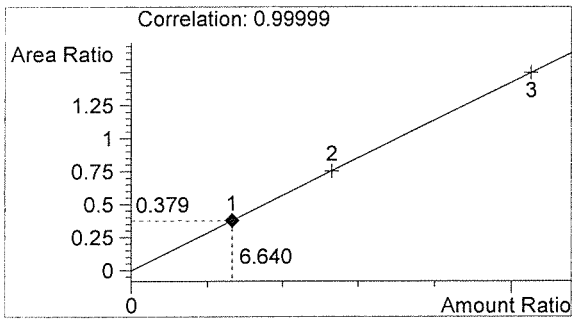
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/21/2016 10:39:51 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

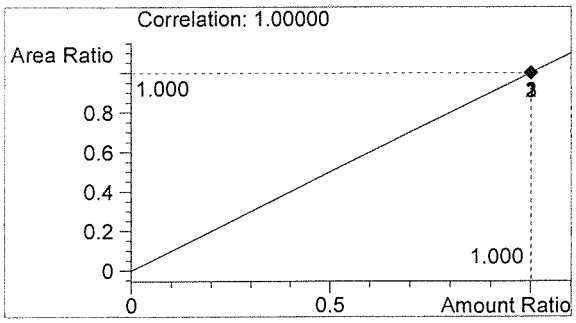
Sample Name: 0.079 CAL 1
Operator: Rebecca Flaherty
Location: Vial 2



#	Compound	Peak Area	RT (min)
1	Ethanol	1003	1.090
2	n-Propanol	2648	1.753



Ethanol 0.080 g/100mL



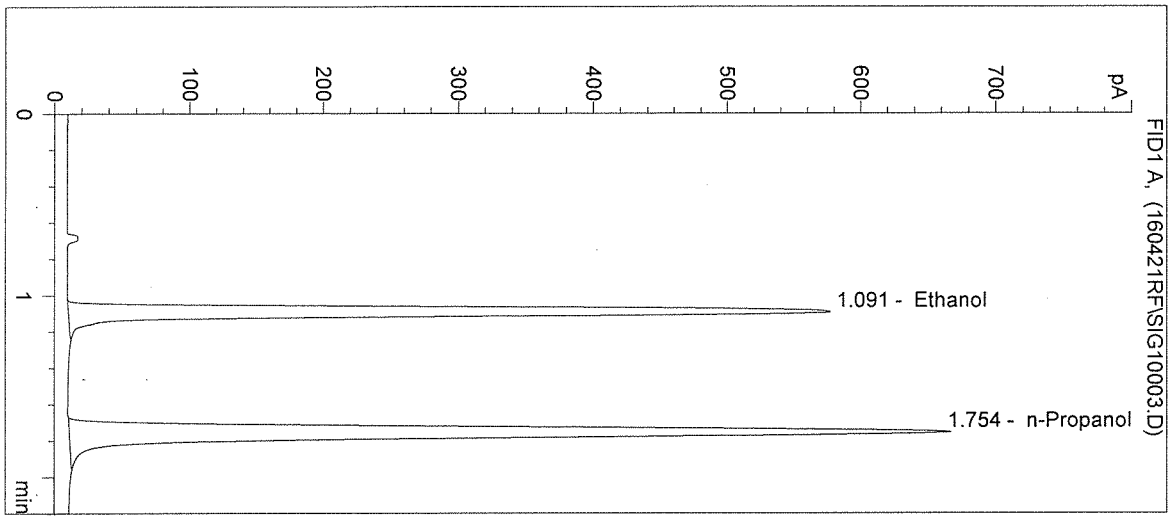
n-Propanol 0.012 g/100mL

RF

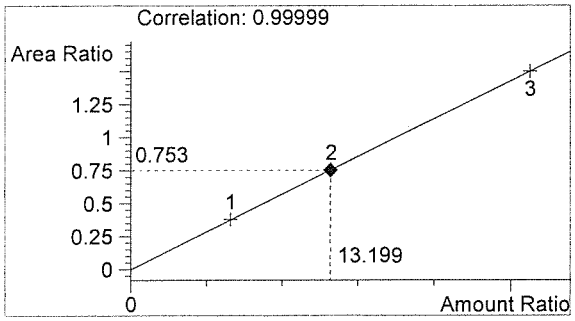
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/21/2016 10:43:09 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

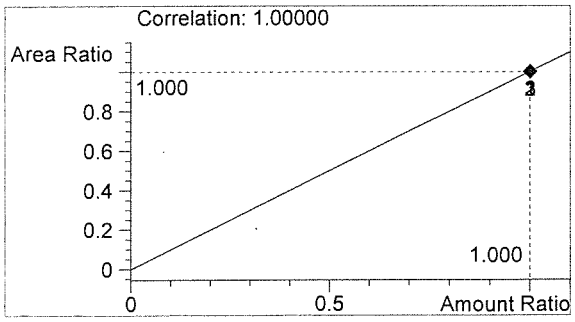
Sample Name: 0.158 CAL 2
Operator: Rebecca Flaherty
Location: Vial 3



#	Compound	Peak Area	RT (min)
1	Ethanol	1946	1.091
2	n-Propanol	2585	1.754



Ethanol 0.158 g/100mL

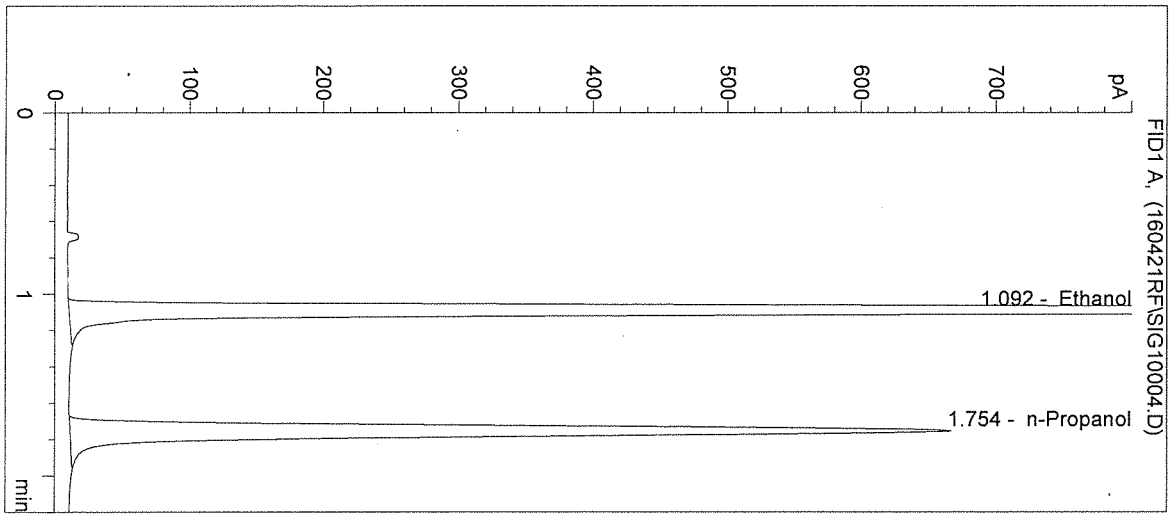


n-Propanol 0.012 g/100mL

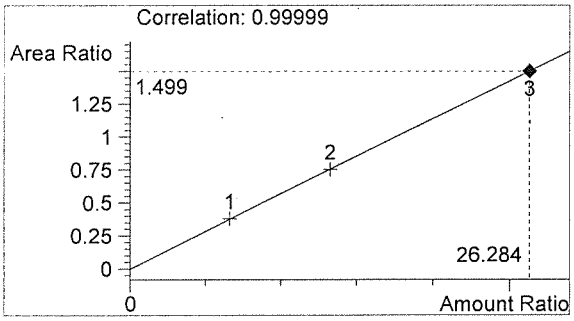
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/21/2016 10:46:26 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

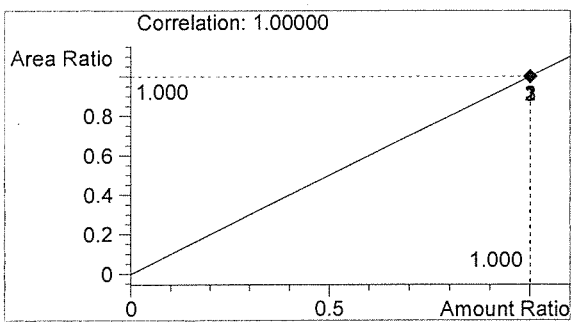
Sample Name: 0.316 CAL 3
Operator: Rebecca Flaherty
Location: Vial 4



#	Compound	Peak Area	RT (min)
1	Ethanol	3886	1.092
2	n-Propanol	2593	1.754



Ethanol 0.315 g/100mL

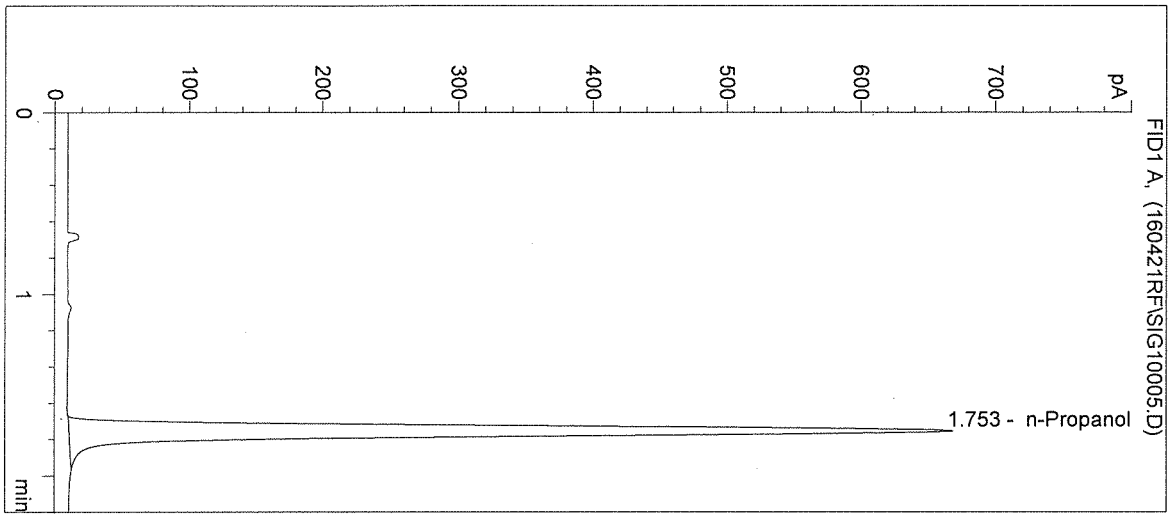


n-Propanol 0.012 g/100mL

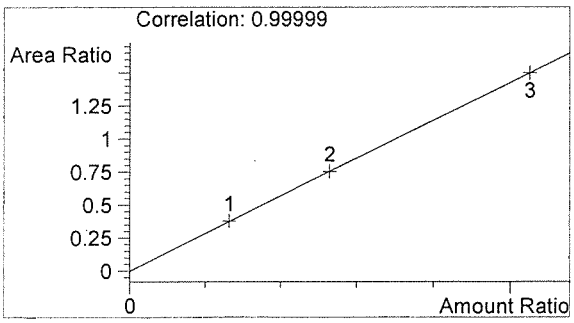
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/21/2016 10:49:39 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

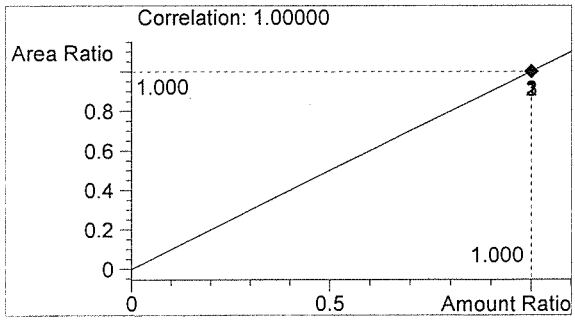
Sample Name: NEG CTRL
Operator: Rebecca Flaherty
Location: Vial 5



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2597	1.753



Ethanol 0.000 g/100mL

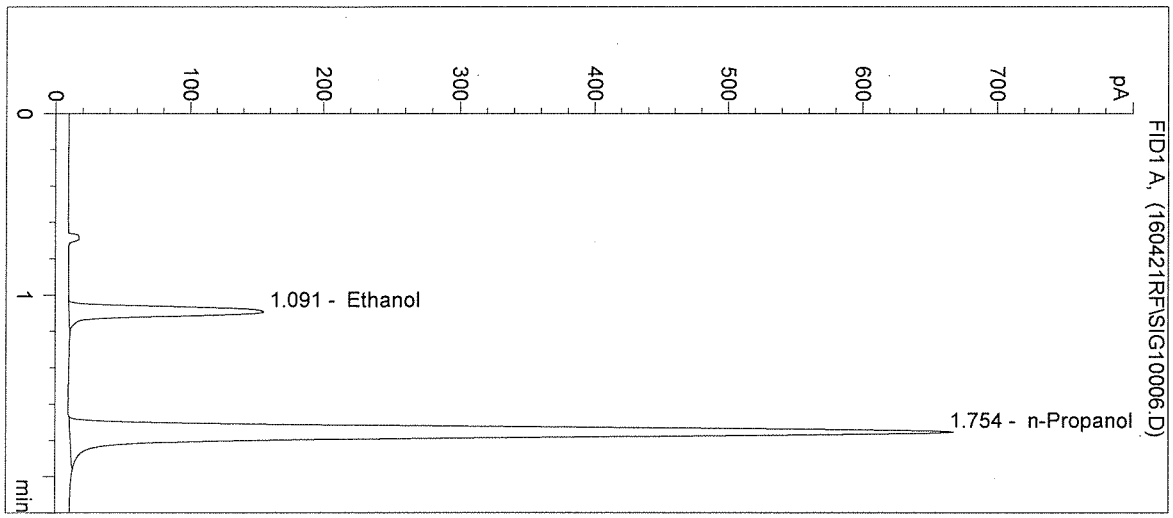


n-Propanol 0.012 g/100mL

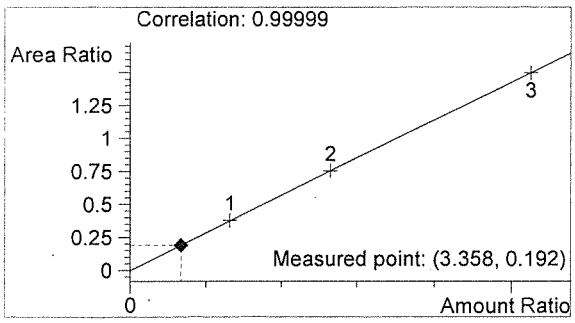
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/21/2016 10:52:53 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

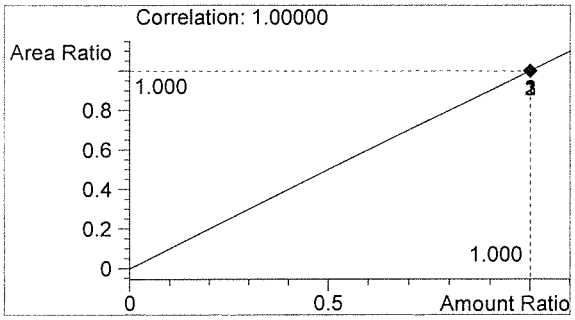
Sample Name: 0.04 CTRL
Operator: Rebecca Flaherty
Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	497	1.091
2	n-Propanol	2593	1.754



Ethanol 0.040 g/100mL

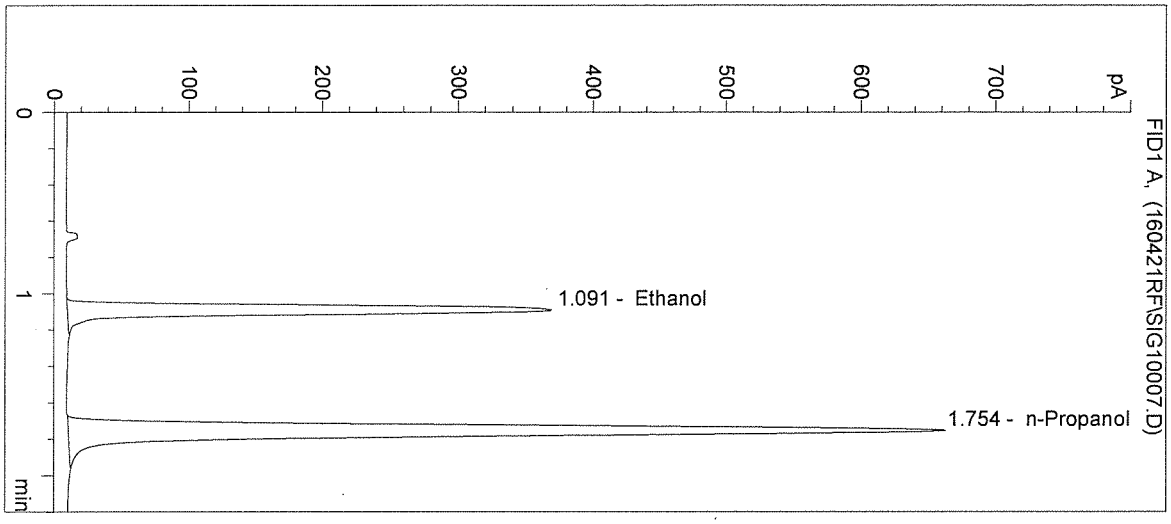


n-Propanol 0.012 g/100mL

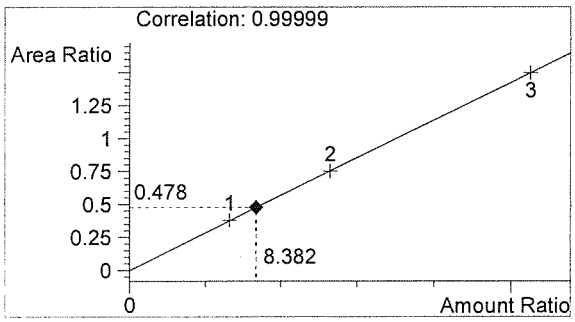
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/21/2016 10:56:06 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

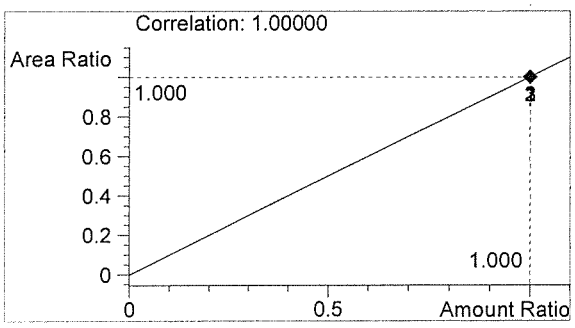
Sample Name: 0.10 CTRL
Operator: Rebecca Flaherty
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	1230	1.091
2	n-Propanol	2572	1.754



Ethanol 0.101 g/100mL



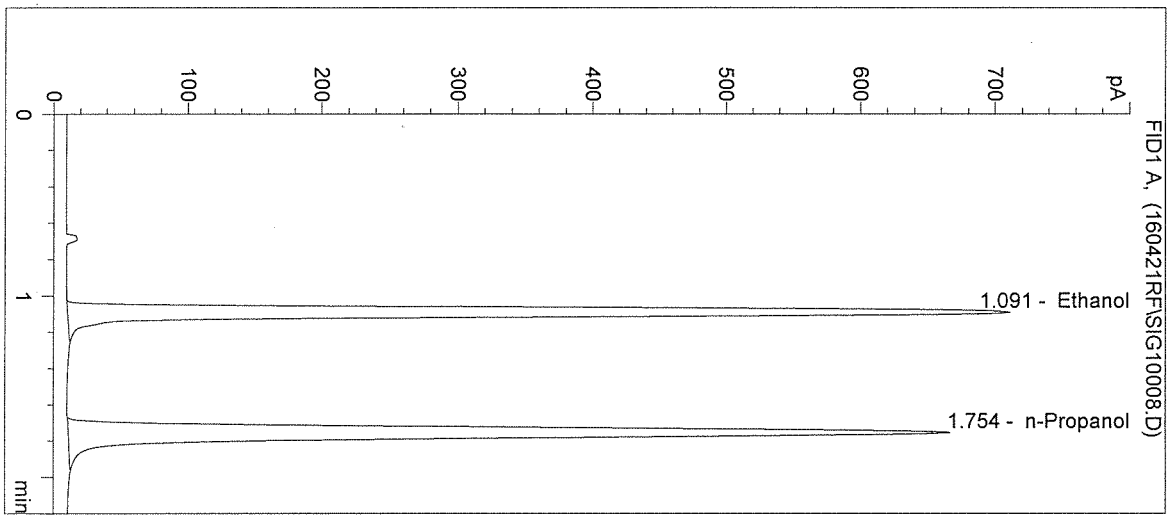
n-Propanol 0.012 g/100mL

RF

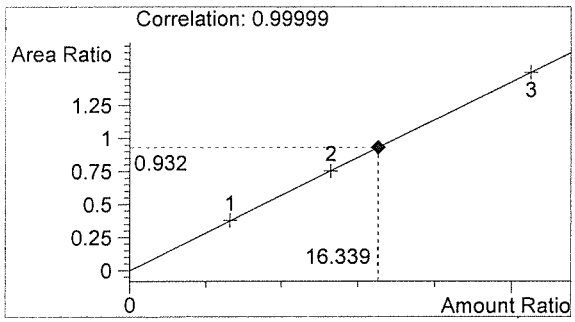
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/21/2016 10:59:19 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

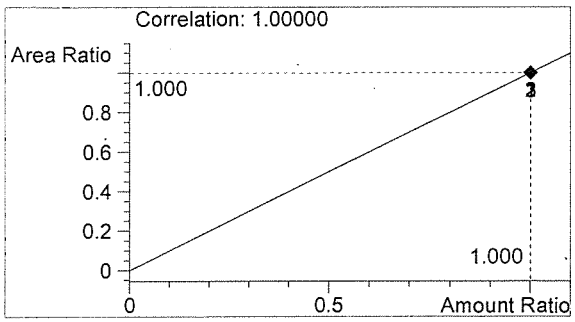
Sample Name: 0.20 CTRL
Operator: Rebecca Flaherty
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	2410	1.091
2	n-Propanol	2586	1.754



Ethanol 0.196 g/100mL

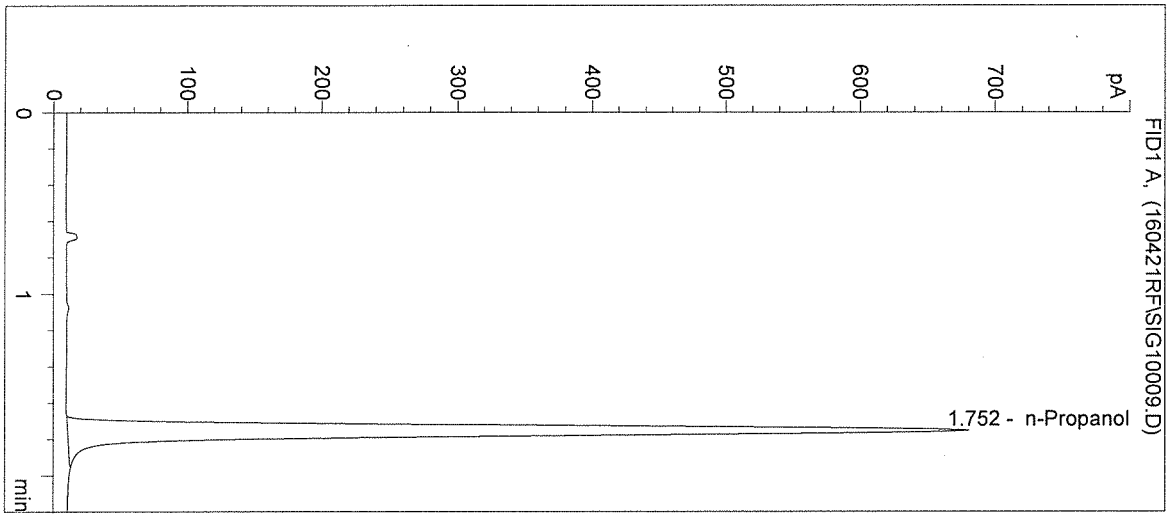


n-Propanol 0.012 g/100mL

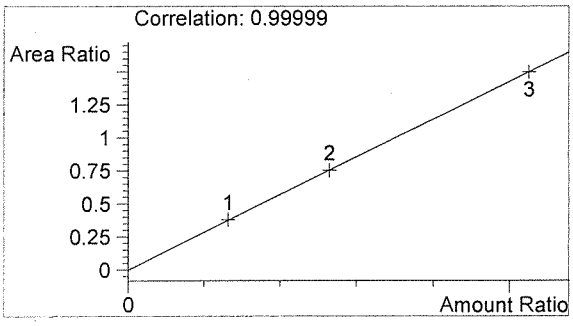
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/21/2016 11:02:33 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

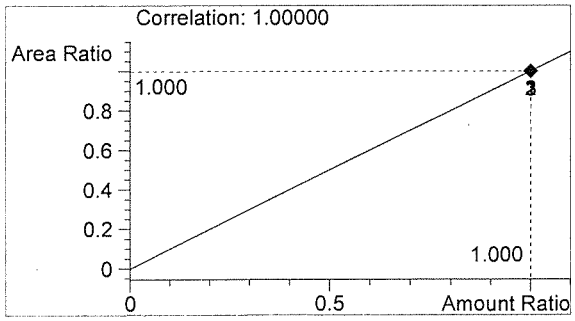
Sample Name: NEG CTRL
Operator: Rebecca Flaherty
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2628	1.752



Ethanol 0.000 g/100mL

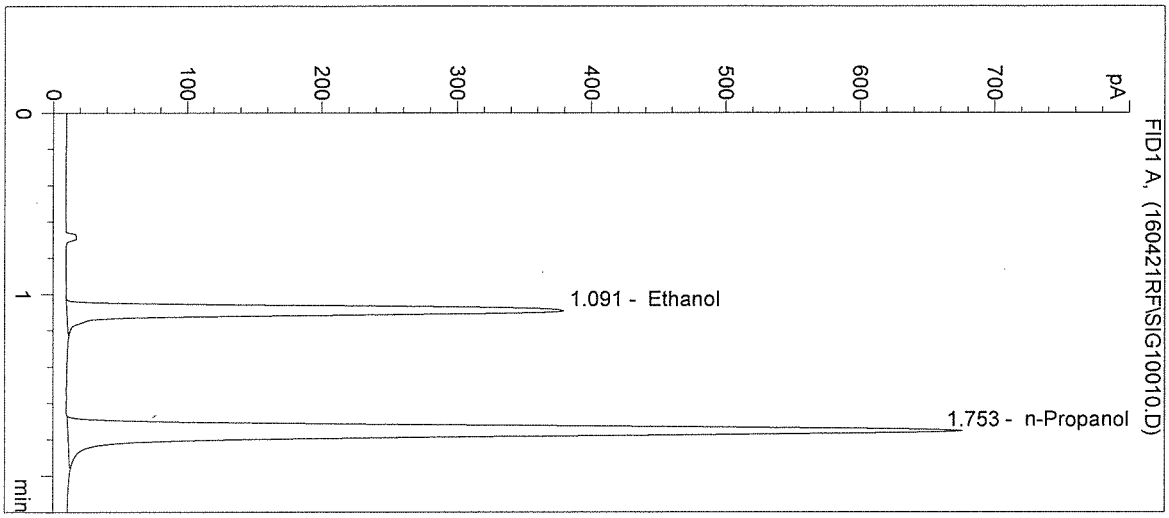


n-Propanol 0.012 g/100mL

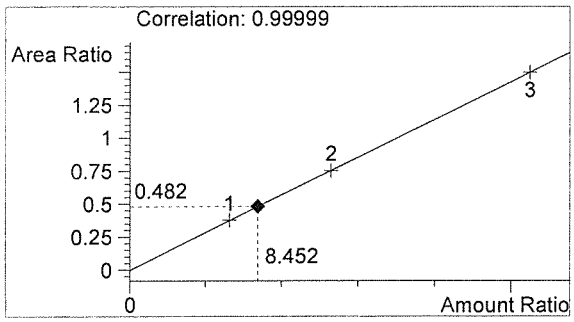
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/21/2016 11:05:46 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

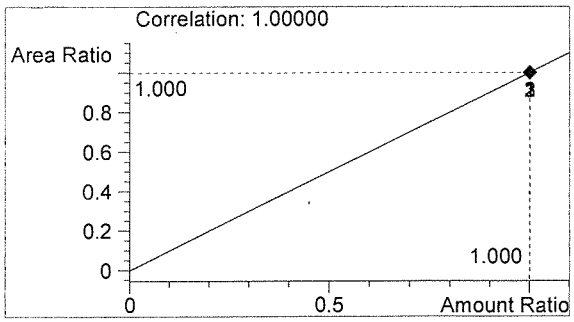
Sample Name: 16011 #1
Operator: Rebecca Flaherty
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	1264	1.091
2	n-Propanol	2622	1.753



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\160421RF\SIG10010.D

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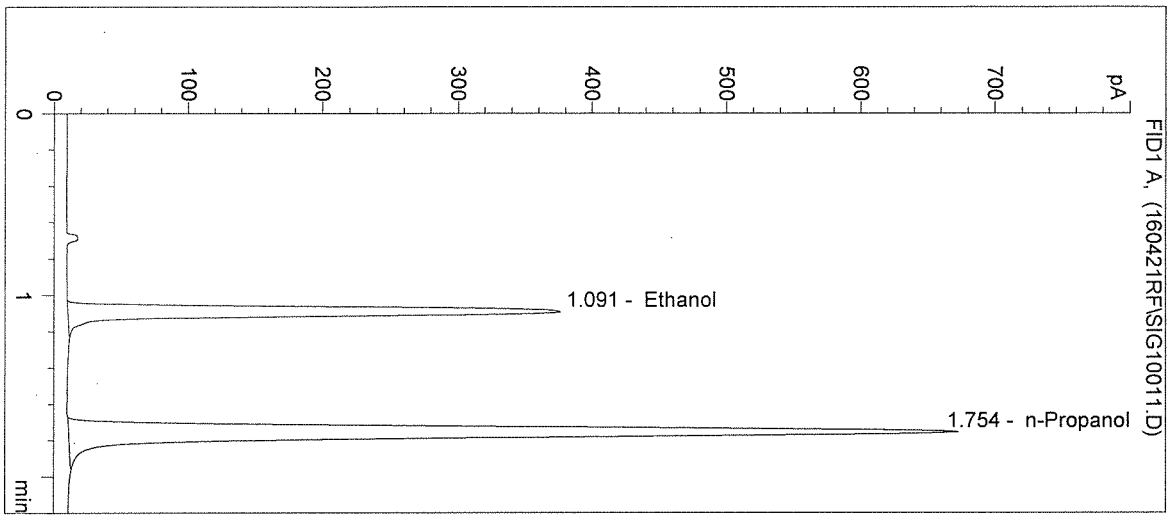
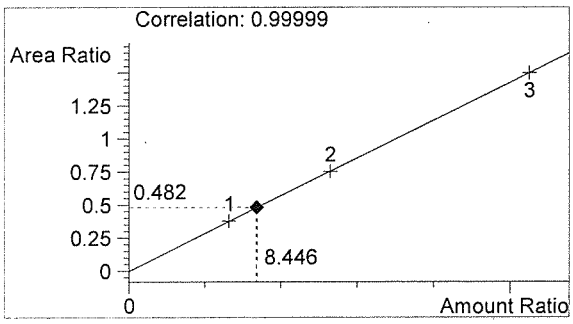
Inj. Date: 4/21/2016 11:08:59 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

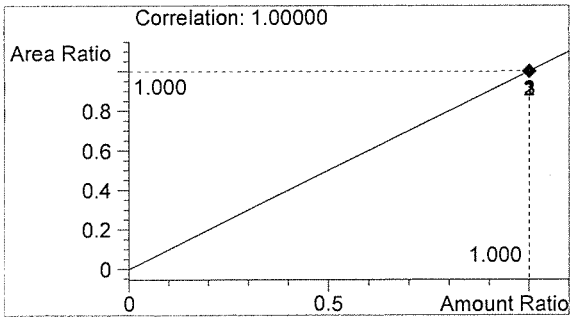
Sample Name: 16011 #2
Operator: Rebecca Flaherty
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	1259	1.091
2	n-Propanol	2613	1.754



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

RF

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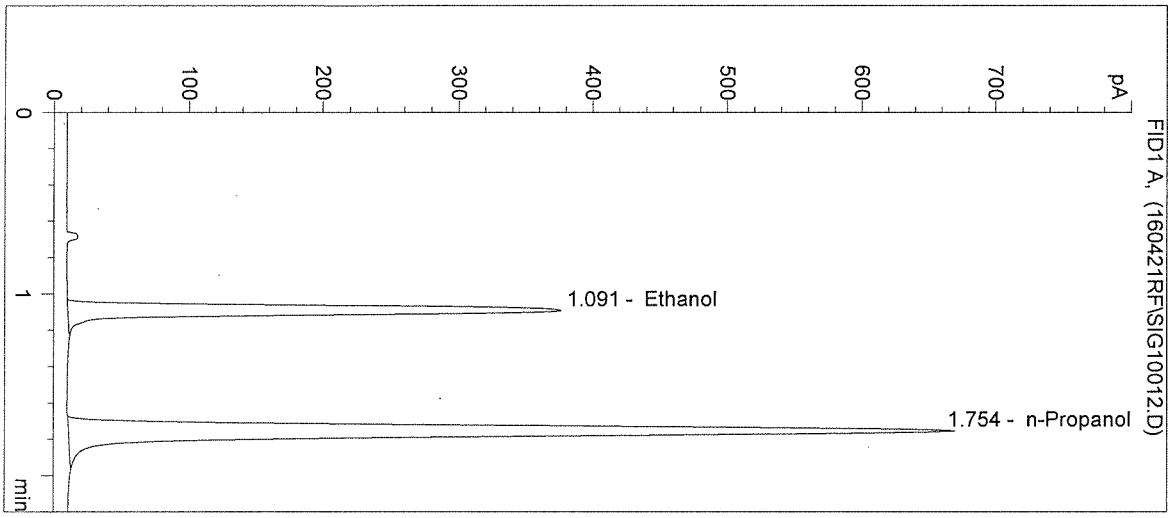
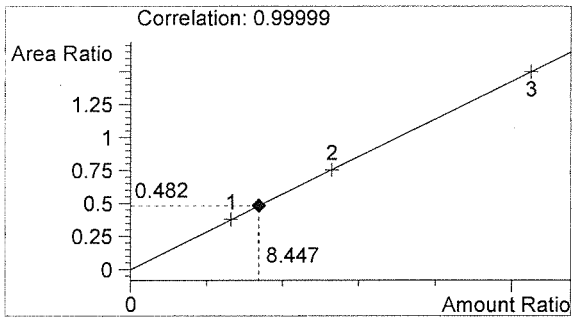
Inj. Date: 4/21/2016 11:12:13 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

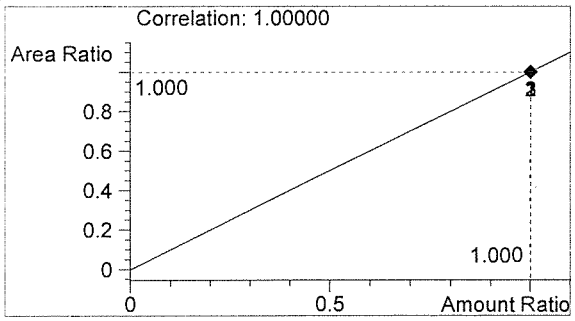
Sample Name: 16011 #3
Operator: Rebecca Flaherty
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	1252	1.091
2	n-Propanol	2598	1.754



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

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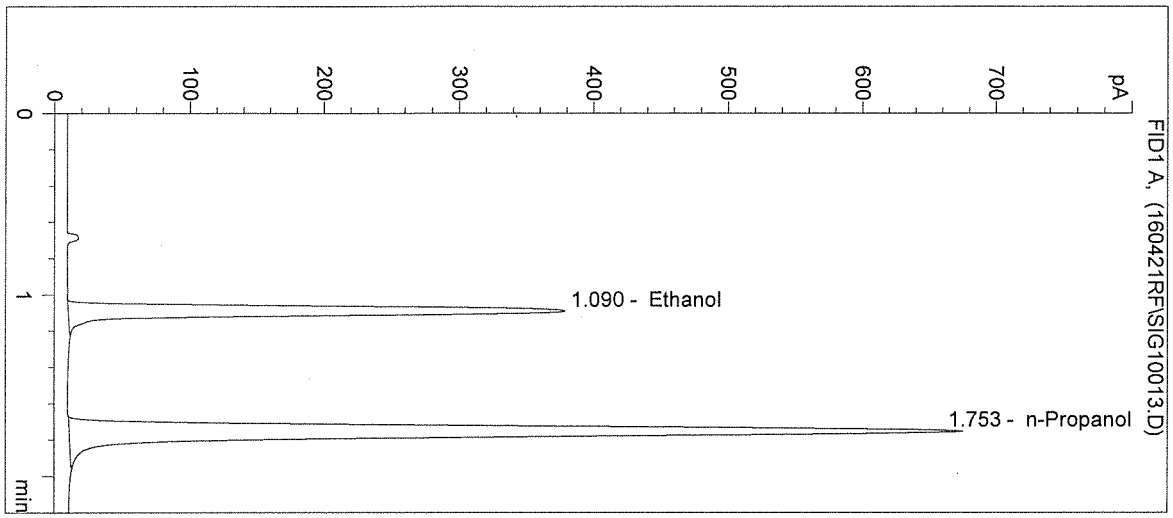
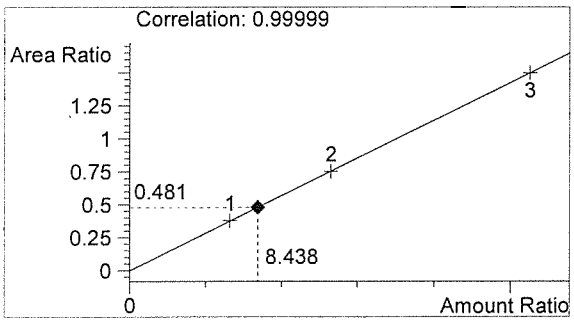
Inj. Date: 4/21/2016 11:15:25 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

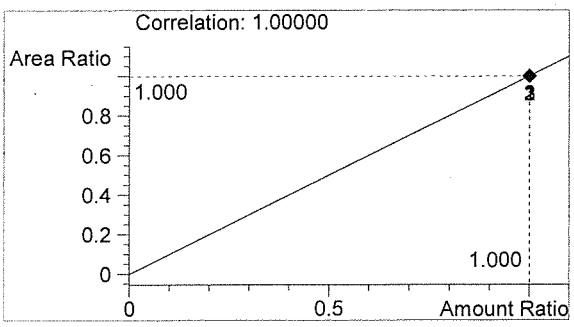
Sample Name: 16011 #4
Operator: Rebecca Flaherty
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	1257	1.090
2	n-Propanol	2611	1.753



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

RF

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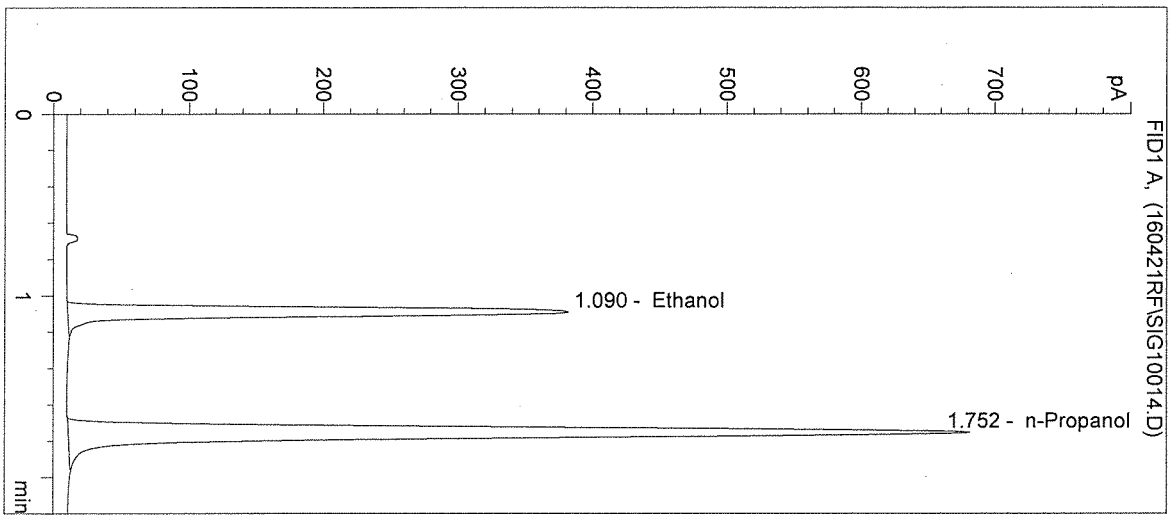
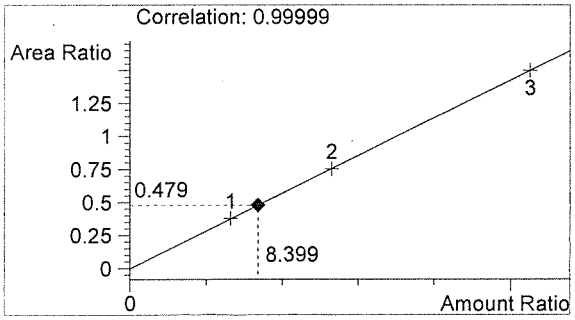
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/21/2016 11:18:39 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

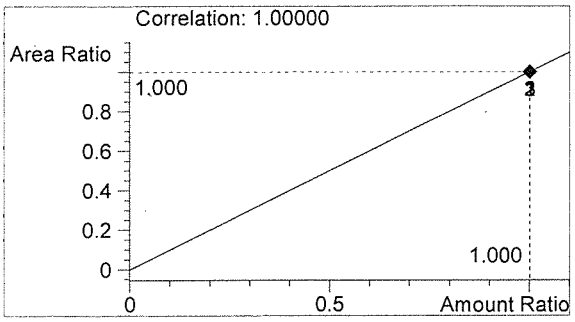
Sample Name: 16011 #5
Operator: Rebecca Flaherty
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	1261	1.090
2	n-Propanol	2632	1.752



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

RF

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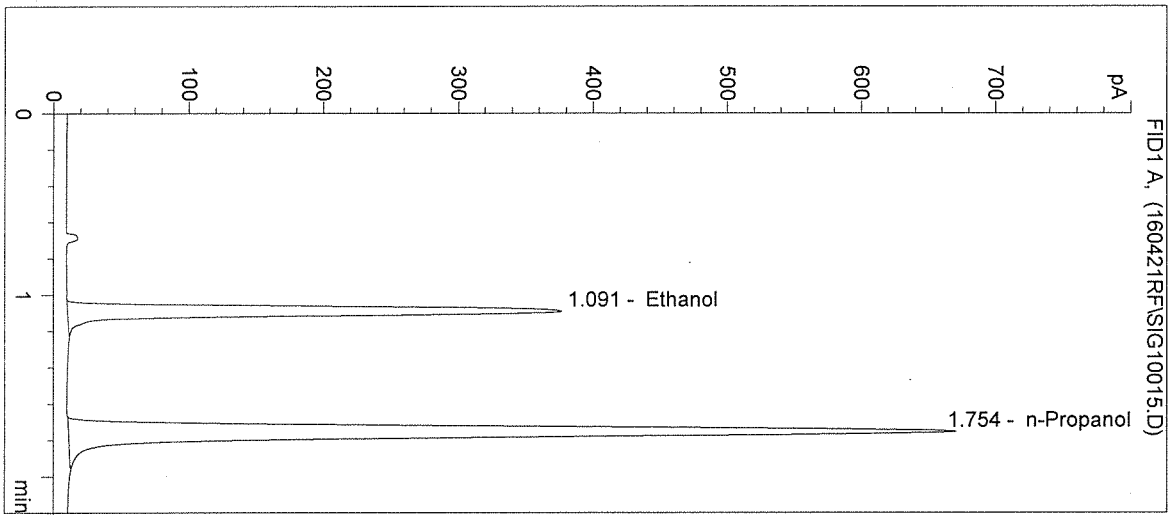
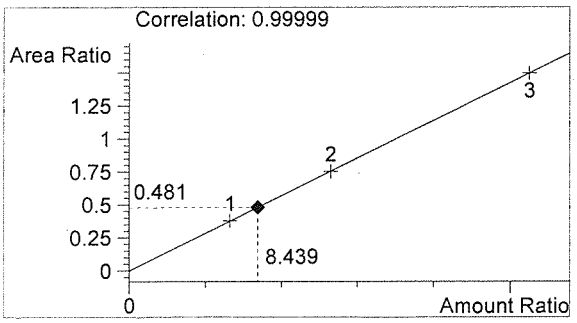
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/21/2016 11:21:52 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

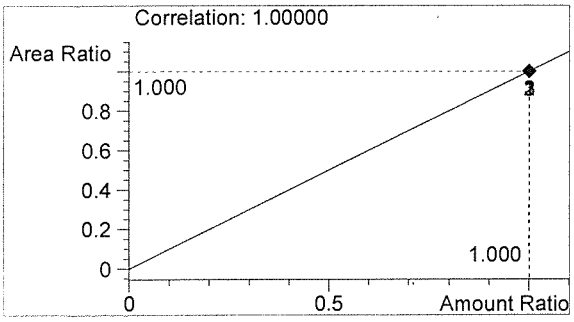
Sample Name: 0.10 CTRL
Operator: Rebecca Flaherty
Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	1252	1.091
2	n-Propanol	2600	1.754



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

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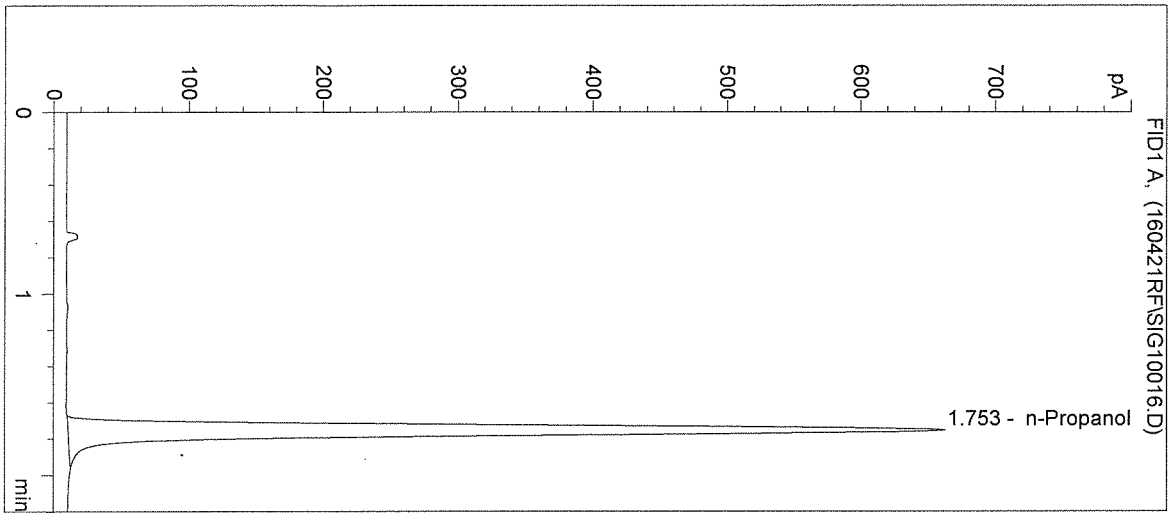
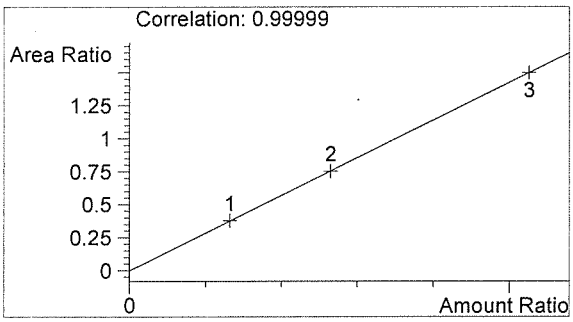
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/21/2016 11:25:06 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 16011

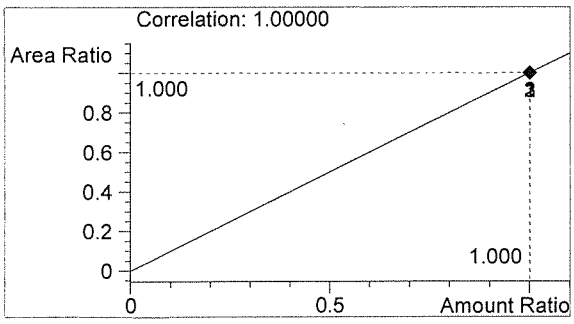
Sample Name: NEG CTRL
Operator: Rebecca Flaherty
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2553	1.753



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

RF