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: 15023

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: 03/19/2015
BATCH UNITS: g/100mL
IDENTITY: External Standard Solution
PREPARED BY: Katie Harris

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

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

RESULTS OF TESTING
AVERAGE SOLUTION CONCENTRATION: 0.1013 g/100mL
STANDARD DEVIATION: 0.00047
PRECISION CV (%): 0.47
NUMBER OF TESTS: 40

EQUIVALENT VAPOR CONCENTRATION: **0.0824 g/210L**
EXPANDED UNCERTAINTY: ± 0.0020 (k=2, 95.45% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

Lisa Noble — Forensic Scientist Supervisor — 4/21/15 DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
KH	Katie Harris	Katie Harris	03/19/2015
LL	Lyndsey Lowe	Lyndsey	03/20/2015
JLK	Justin L. Knoy		03/23/2015
EW	Elizabeth Wehner	Elizabeth Wehner	03/26/2015
CM	Christie Mitchell-Mata		03/31/2015
RF	Rebecca Flaherty		03/31/2015
CSJ	Christopher S. Johnston		04/06/2015
AJL	Asa J. Louis		04/10/2015

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 #: 15023 **Date Prepared:** 3/19/2015

Analyst:	KH	LL	JLK	EW	CM	RF	CSJ	AJL
Date Tested:	3/19/2015	3/20/2015	3/23/2015	3/26/2015	3/31/2015	3/31/2015	4/6/2015	4/10/2015
Instrument:	HSGC #1	HSGC #1	HSGC #1	HSGC #1	HSGC #1	HSGC #1	HSGC #1	HSGC #1
1	0.102	0.101	0.101	0.101	0.101	0.102	0.101	0.101
2	0.101	0.101	0.102	0.101	0.101	0.102	0.101	0.101
3	0.102	0.102	0.102	0.101	0.101	0.102	0.101	0.101
4	0.101	0.101	0.102	0.101	0.101	0.102	0.101	0.101
5	0.101	0.101	0.102	0.102	0.101	0.102	0.101	0.101
C	0.100	0.100	0.100	0.101	0.100	0.100	0.101	0.100

CV^2_{COA}	$CV^2_{Ext\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000219154	0.0000213218	0.0001016326

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

Average Solution Concentration: 0.1013 g/100mL
Standard Deviation: 0.00047 g/100mL
Precision CV (%): 0.47
Equivalent Vapor Concentration: 0.0824 g/210L
Combined Standard Uncertainty (±): 0.0010 g/210L
Expanded Uncertainty (±): 0.0020 coverage factor (k) =2 (95.45% level of confidence)

Calculations performed by: Lisa Noble (Name) Lisa Noble (Signature) 4/13/15 (Date)

Calculations verified by: Amanda M. Black (Name) (Signature) 4-17-15 (Date)

Method: Hand calculation

Technical review of batch file performed by:

Lisa Noble (Name) Lisa Noble (Signature) 4/17/15 (Date)

Washington State Patrol Toxicology Laboratory Division

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda M. Black Date: 4-17-15

Location: WSP- FLSB Seattle, WA Solution Batch Number: 15023

	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: 4-17-15

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	20150414
Brittany Thomas		
Christie Mitchell-Mata	CM	4/14/15
Christopher Johnston	CJ	4/14/15
David Nguyen		
Dawn Sklerov		
Elizabeth Wehner	EW	04/14/15
Justin Knoy	JK	4-14-15
Katie Harris	KH	4/14/15
Lyndsey Lowe	LL	4.14.15
Naziha Nuwayhid		
Rebecca Flaherty	RF	4/14/15

Batch # 15023 fn 4/13/15

JAY INSLEE
Governor

JOHN R. BATISTE
Chief

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

0.08 g/210 L EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 15023

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 15023, was prepared in the Washington State Toxicology Laboratory on 3/19/2015. 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 3/19/2016.

Seattle, WA

Katie Harris 4/14/15

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 15023

I, Lyndsey Lowe, 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 15023, was prepared in the Washington State Toxicology Laboratory on 3/19/2015. 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 3/19/2016.

Seattle, WA

Lyndsey Lowe 4·14·15

Lyndsey Lowe Date
Forensic Scientist

JAY INSLEE
Governor

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Chief

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0.08 g/210 L EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 15023

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 15023, was prepared in the Washington State Toxicology Laboratory on 3/19/2015. 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 3/19/2016.

Seattle, WA

4-14-15

Justin L. Knoy — 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 15023

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 15023, was prepared in the Washington State Toxicology Laboratory on 3/19/2015. 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 3/19/2016.

Seattle, WA

Elizabeth Wehner 04/14/15

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 15023

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 15023, was prepared in the Washington State Toxicology Laboratory on 3/19/2015. 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 3/19/2016.

Seattle, WA

4/14/15

Christie Mitchell-Mata Date

Forensic Scientist

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0.08 g/210 L EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 15023

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 15023, was prepared in the Washington State Toxicology Laboratory on 3/19/2015. 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 3/19/2016.

Seattle, WA

4-14-15

Rebecca Flaherty — 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 15023

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 15023, was prepared in the Washington State Toxicology Laboratory on 3/19/2015. 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 3/19/2016.

Seattle, WA

4/14/2015

Christopher S. Johnston — Date

Forensic Scientist

JAY INSLEE
Governor

JOHN R. BATISTE
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0.08 g/210 L EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 15023

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 15023, was prepared in the Washington State Toxicology Laboratory on 3/19/2015. 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 3/19/2016.

Seattle, WA

20150414

Asa J. Louis — 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: 3/19/15 Expiration Date: 3/19/16 Initials of Preparer: KH

Lot # of 200-proof Ethanol used in preparation: 2DC0208

Date the 200-proof Ethanol bottle was opened: 3/10/15

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	☑	15023

Stir bar is rotating ☑

Stirred for minimum 30 minutes; 2 hours for ESS ☑

Spigot purged ☑

Aliquot taken ☑

Batch labeled, packaged and sealed ☑ 3/19/15 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:

Kate Harris
Analyst Signature

3/19/15
Date

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

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:	150319KH
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment: KH 3/24/15

Ethanol Calibrator 1, E0315-01 - Exp. 09/13/2015
Ethanol Calibrator 2, E~~0305~~ 0315-02 - Exp. 09/13/2015
Ethanol Calibrator 3, E~~0305~~ 0315-03 - Exp. 09/13/2015
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#P0115 - Exp. 04/27/15

Calibration vials 1-9 filed with 15023.

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	15023-1	SIMALC1	1	Sample		
11	Vial 11	15023-2	SIMALC1	1	Sample		
12	Vial 12	15023-3	SIMALC1	1	Sample		
13	Vial 13	15023-4	SIMALC1	1	Sample		
14	Vial 14	15023-5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp		

Jn

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!

15023
Jm 4/13/15

KH

Calibration Table

Calib. Data Modified : Thursday, March 19, 2015 11:05:11 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
1.037	1	1	7.94500e-2	891.98944	8.90706e-5	1		Ethanol
		2	1.57190e-1	1716.83105	9.15582e-5			
		3	3.12390e-1	3449.55298	9.05596e-5			
1.701	1	1	1.20000e-2	2479.39526	4.83989e-6	I1		n-Propanol
		2	1.20000e-2	2455.78516	4.88642e-6			
		3	1.20000e-2	2480.09302	4.83853e-6			

15023

Jm 4/13/15

Peak Sum Table

No Entries in table

KH

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Calibration Curves

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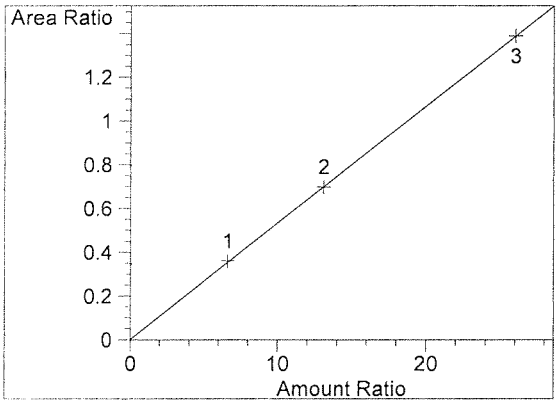
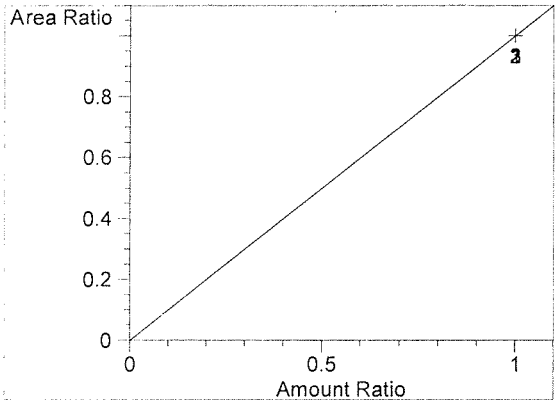


Ethanol at exp. RT: 1.037
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00371
Formula: y = mx + b
m: 5.33474e-2
b: 2.24464e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.701
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

==========

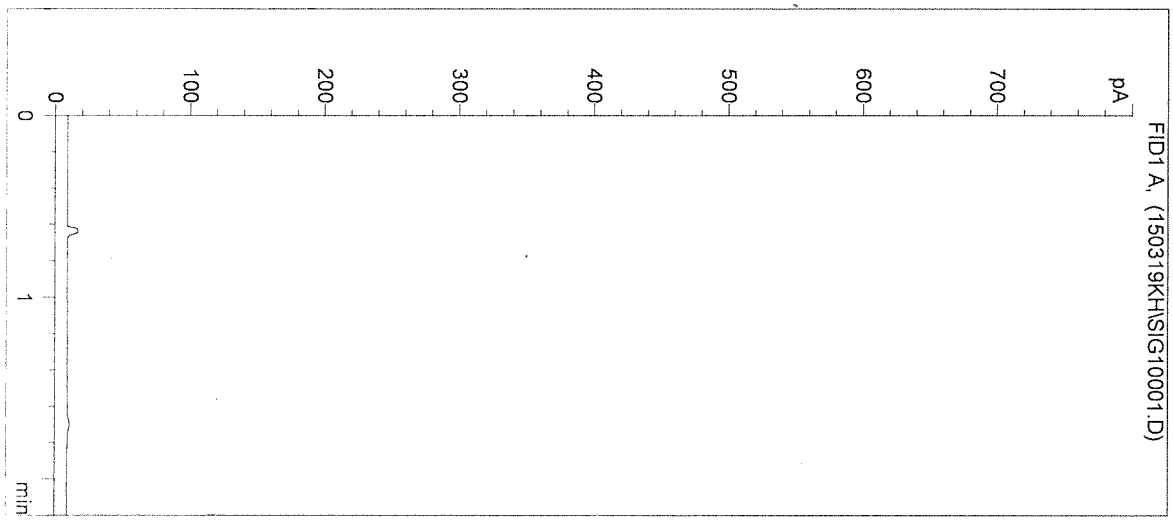
15023
Jn 4/13/15

KH

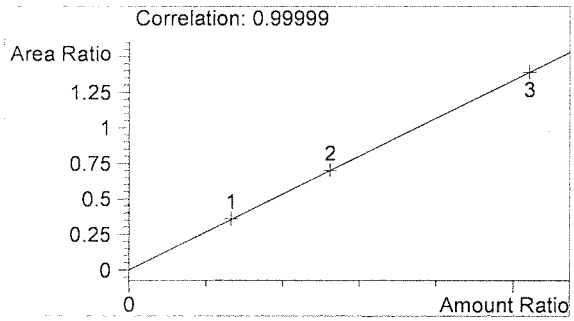
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/19/2015 10:53:03 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

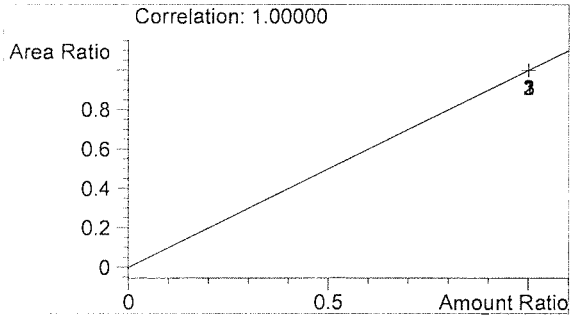
Sample Name: BLANK
Operator: Katie Harris
Location: Vial 1



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



Ethanol 0.000 g/100mL



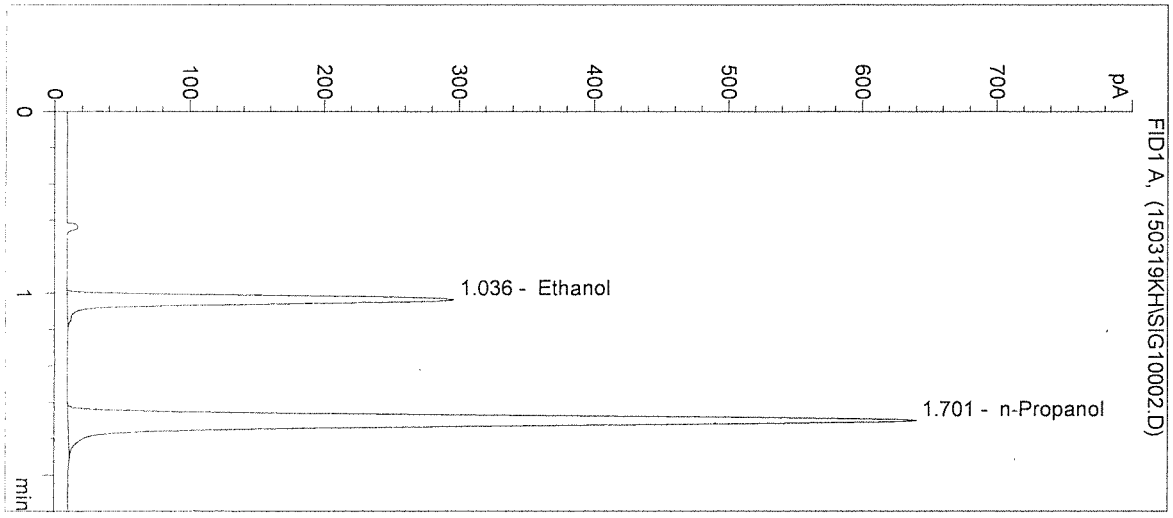
n-Propanol 0.000 g/100mL

KH

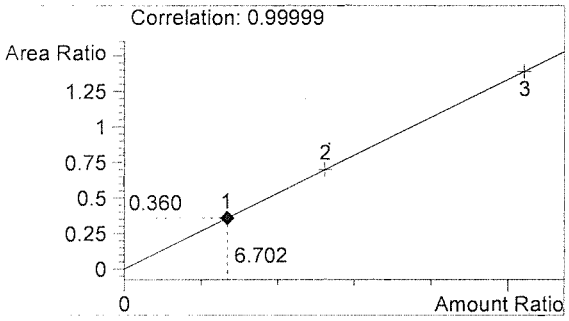
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/19/2015 10:56:22 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

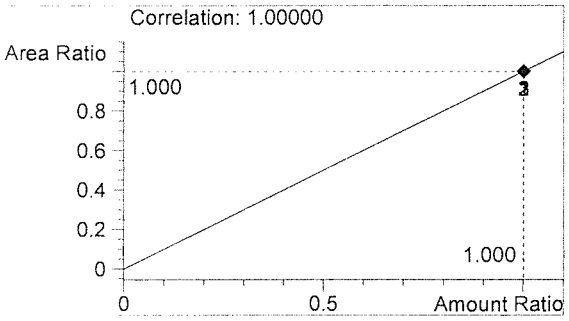
Sample Name: 0.079 CAL 1
Operator: Katie Harris
Location: Vial 2



#	Compound	Peak Area	RT (min)
1	Ethanol	892	1.036
2	n-Propanol	2479	1.701



Ethanol 0.080 g/100mL



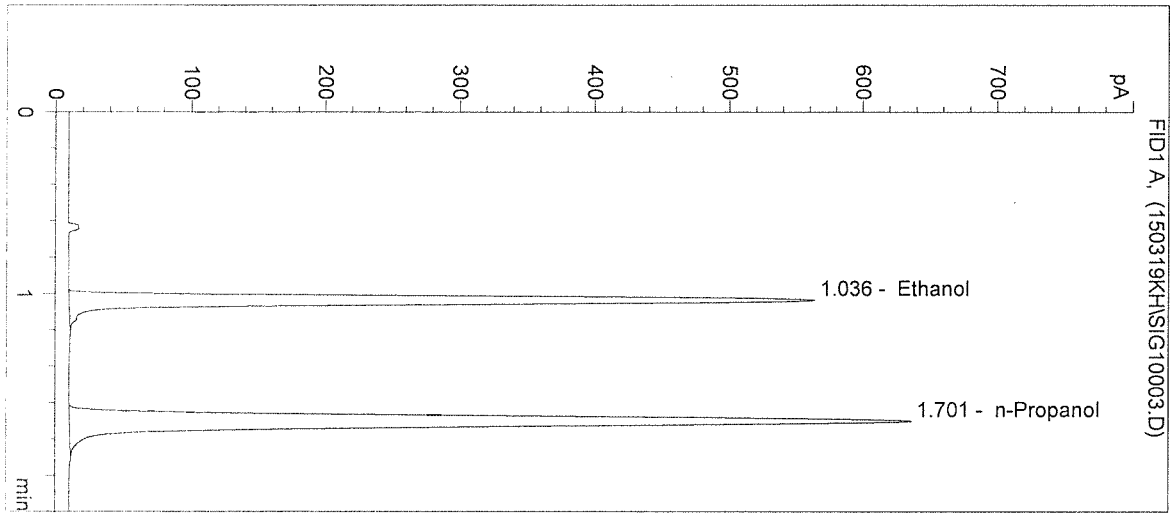
n-Propanol 0.012 g/100mL

KH

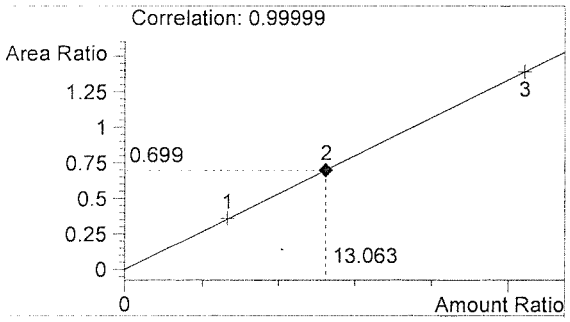
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/19/2015 10:59:40 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

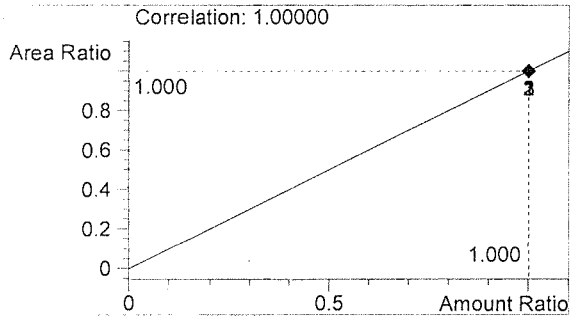
Sample Name: 0.158 CAL 2
Operator: Katie Harris
Location: Vial 3



#	Compound	Peak Area	RT (min)
1	Ethanol	1717	1.036
2	n-Propanol	2456	1.701



Ethanol 0.157 g/100mL



n-Propanol 0.012 g/100mL

KH

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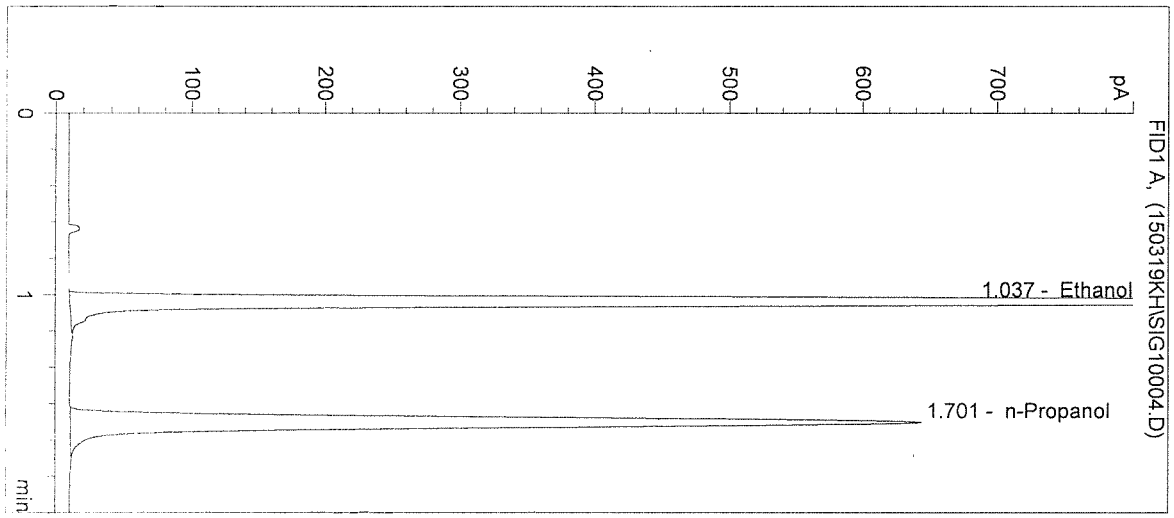
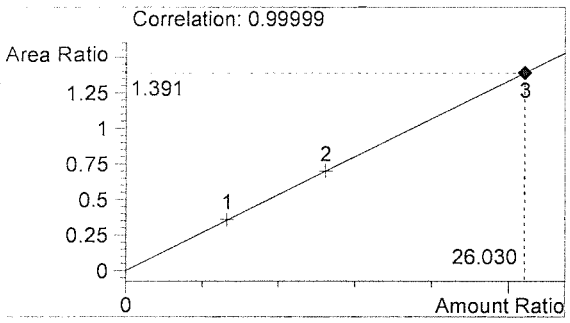
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/19/2015 11:02:58 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

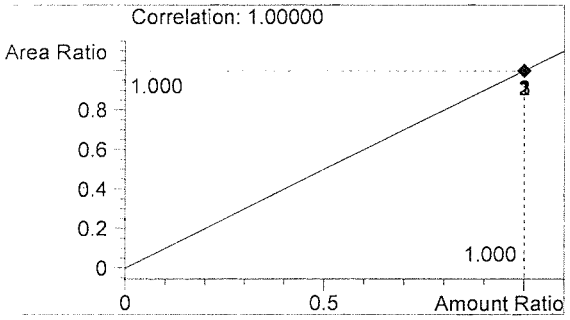
Sample Name: 0.316 CAL 3
Operator: Katie Harris
Location: Vial 4



#	Compound	Peak Area	RT (min)
1	Ethanol	3450	1.037
2	n-Propanol	2480	1.701



Ethanol 0.312 g/100mL



n-Propanol 0.012 g/100mL

KH

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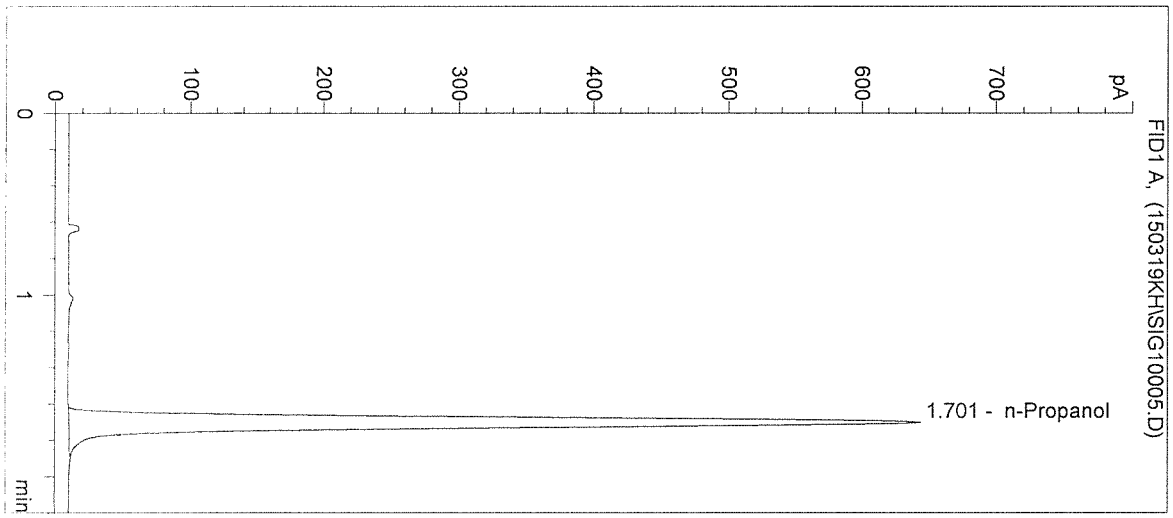
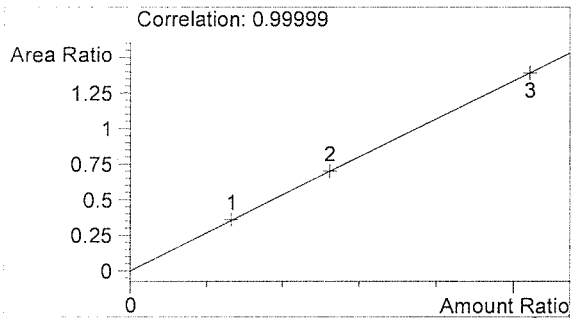
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/19/2015 11:06:11 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

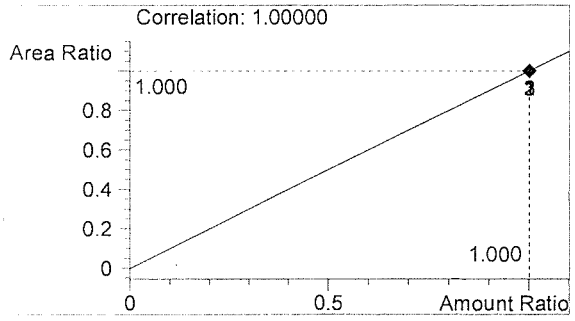
Sample Name: NEG CTRL
Operator: Katie Harris
Location: Vial 5



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2492	1.701



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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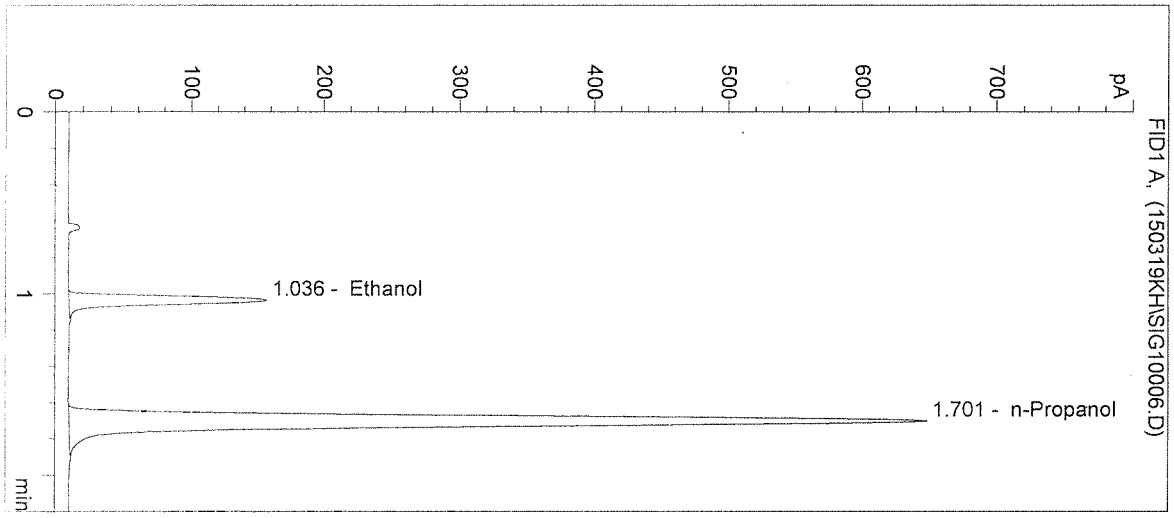
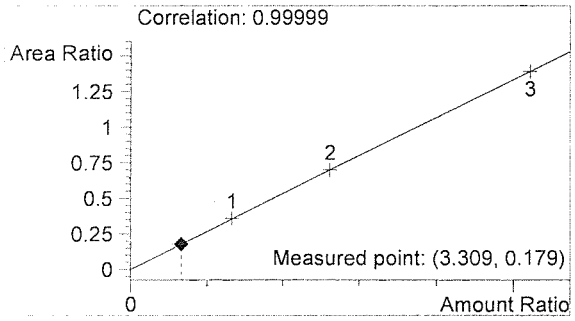
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/19/2015 11:09:24 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

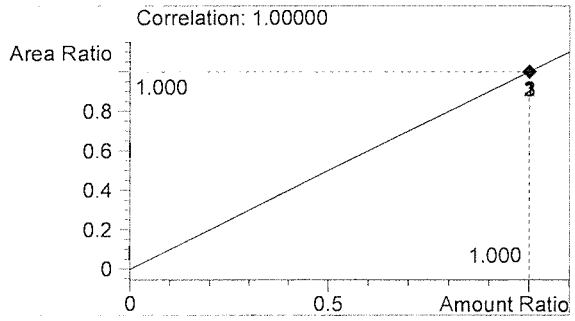
Sample Name: 0.04 CTRL
Operator: Katie Harris
Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	448	1.036
2	n-Propanol	2506	1.701



Ethanol 0.040 g/100mL



n-Propanol 0.012 g/100mL

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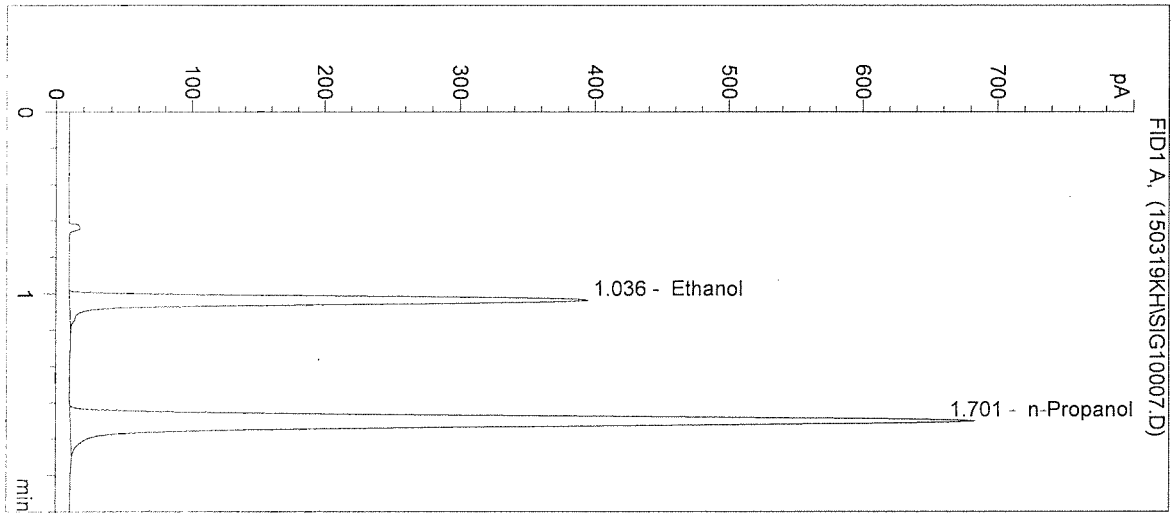
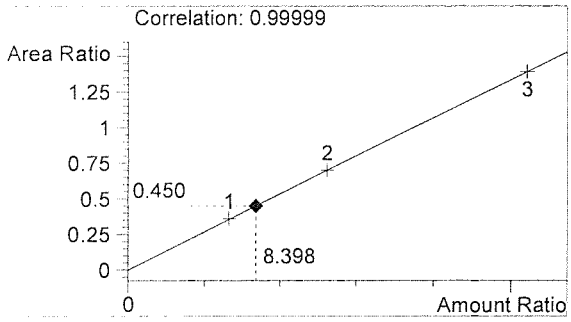
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/19/2015 11:12:37 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

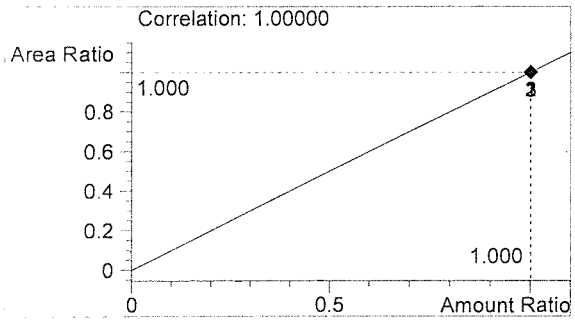
Sample Name: 0.10 CTRL
Operator: Katie Harris
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	1186	1.036
2	n-Propanol	2633	1.701



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

KH

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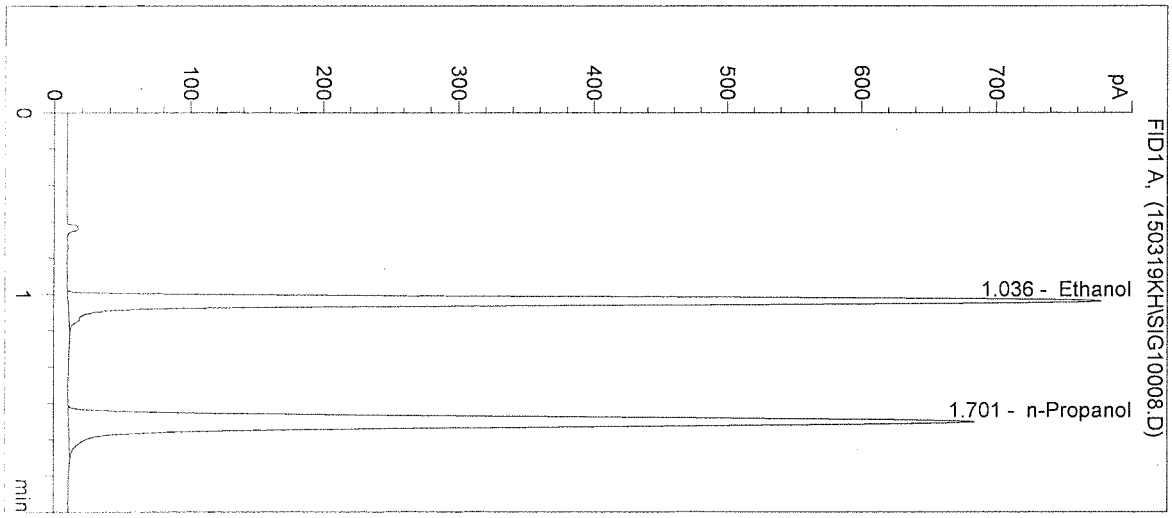
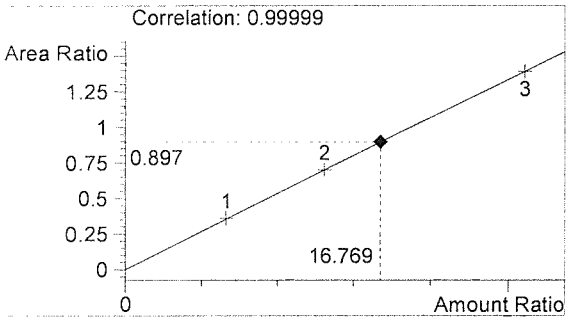
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/19/2015 11:15:51 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

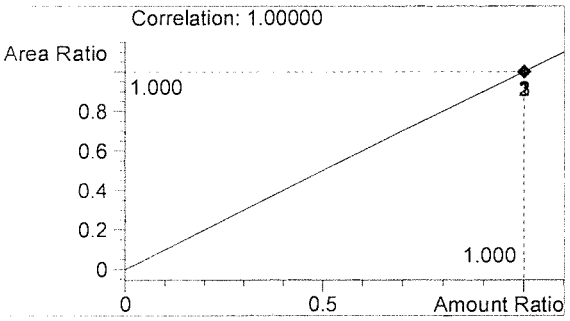
Sample Name: 0.20 CTRL
Operator: Katie Harris
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	2365	1.036
2	n-Propanol	2637	1.701



Ethanol 0.201 g/100mL



n-Propanol 0.012 g/100mL

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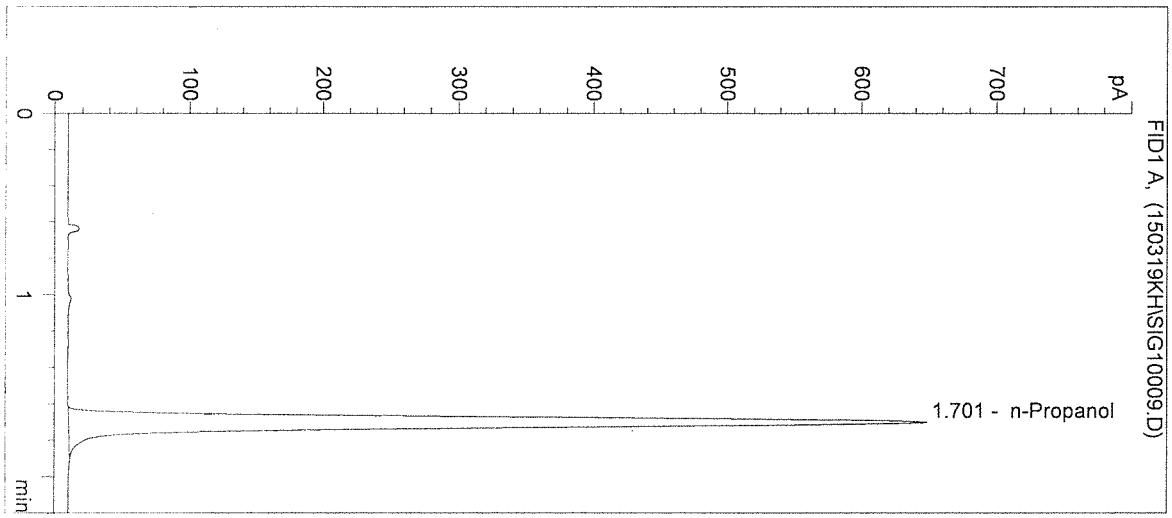
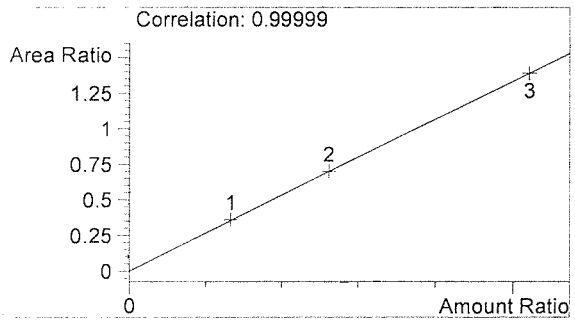
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/19/2015 11:19:04 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

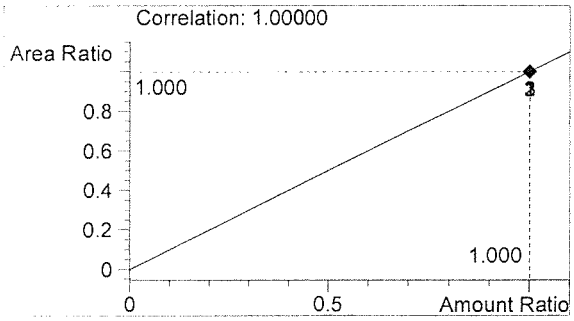
Sample Name: NEG CTRL
Operator: Katie Harris
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2510	1.701



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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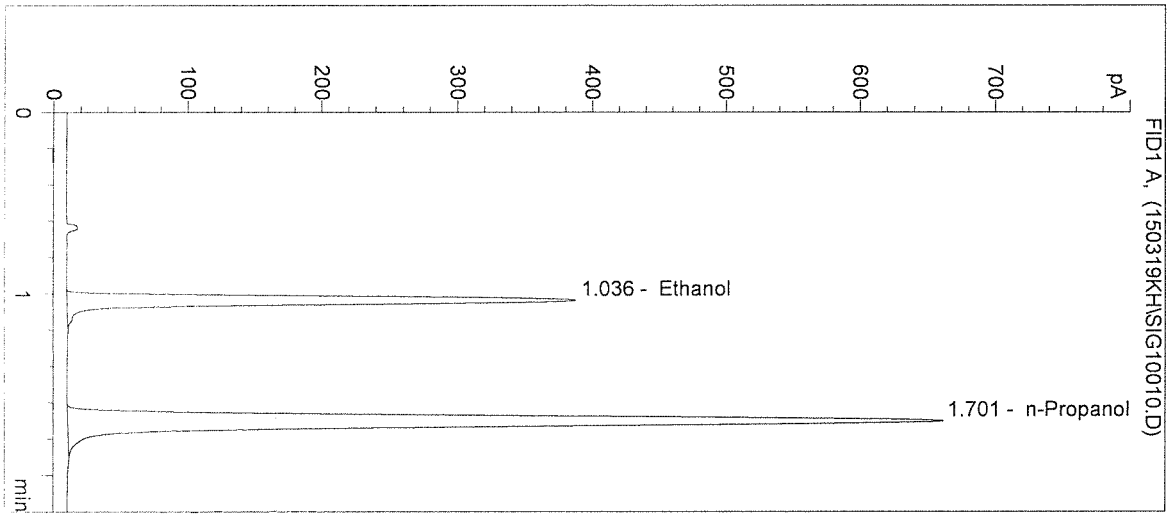
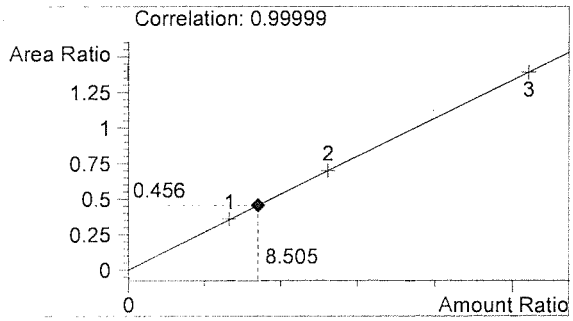
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/19/2015 11:22:17 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

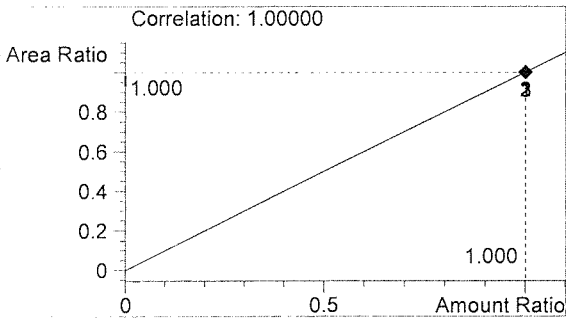
Sample Name: 15023-1
Operator: Katie Harris
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	1168	1.036
2	n-Propanol	2561	1.701



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

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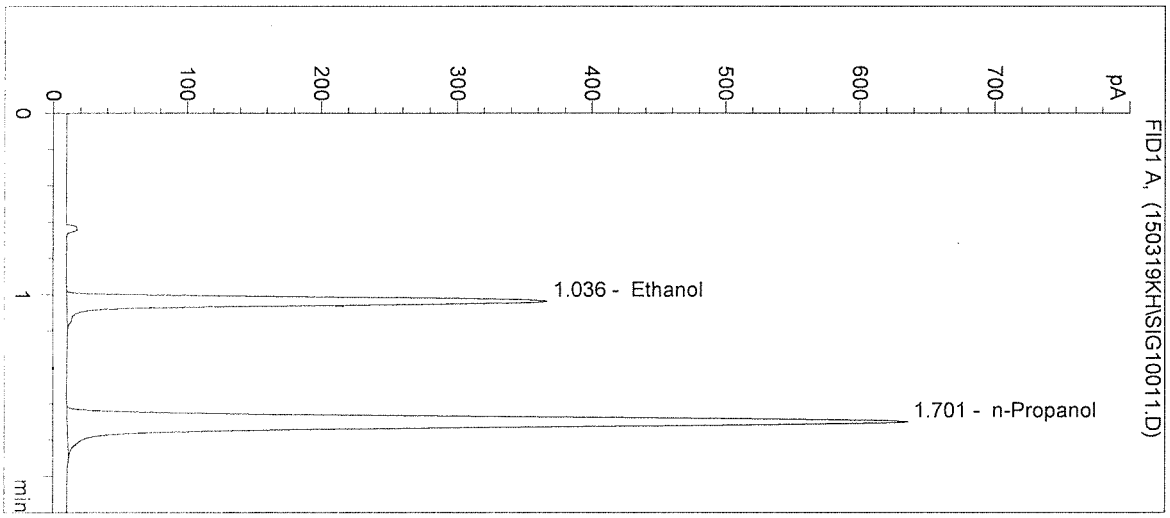
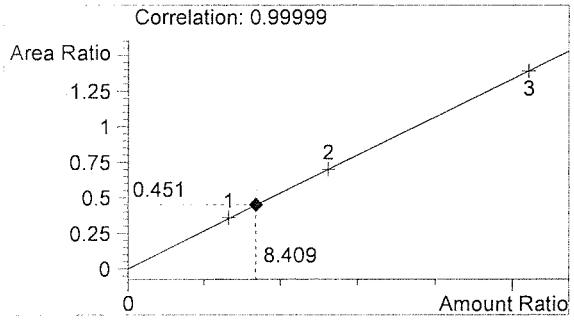
2203 Airport Way S Seattle, WA 98134

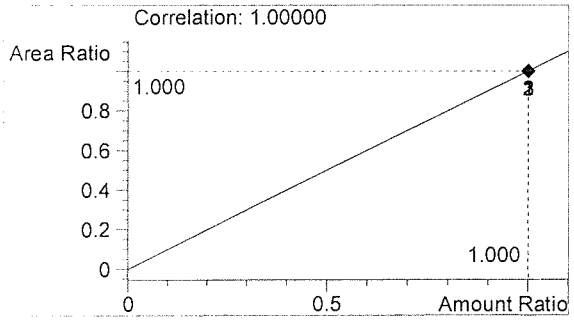
Inj. Date: 3/19/2015 11:25:30 AM
Sample Name: 15023-2
Instrument: HSGC#1
Operator: Katie Harris
Column: DB-ALC1
Location: Vial 11
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1111	1.036
2	n-Propanol	2464	1.701



Ethanol 0.101 g/100mL



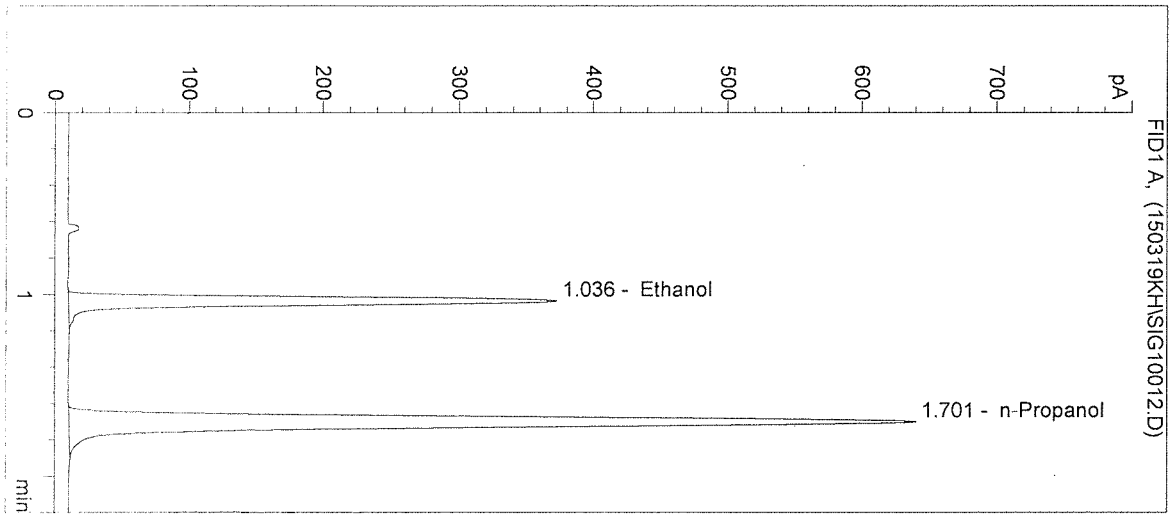
n-Propanol 0.012 g/100mL

KH

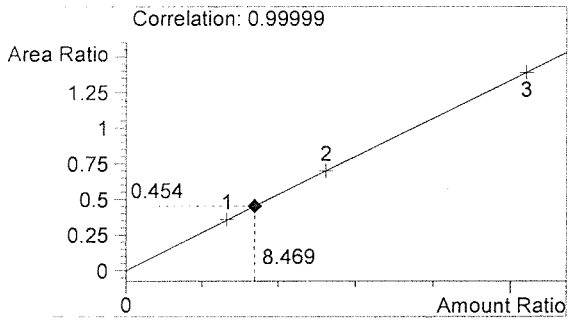
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/19/2015 11:28:43 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

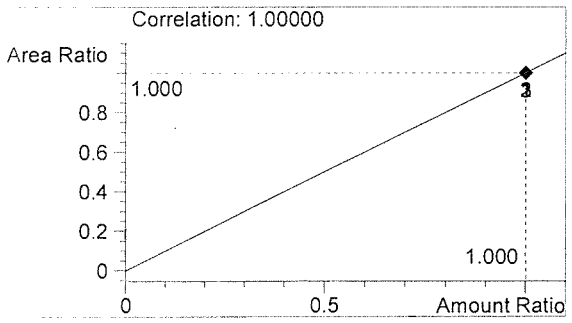
Sample Name: 15023-3
Operator: Katie Harris
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	1124	1.036
2	n-Propanol	2475	1.701



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

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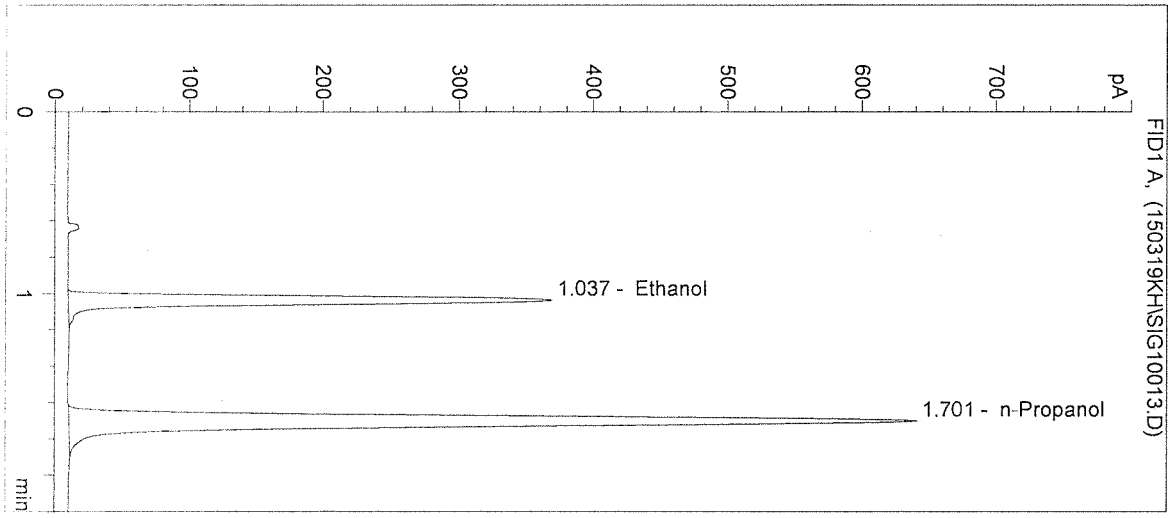
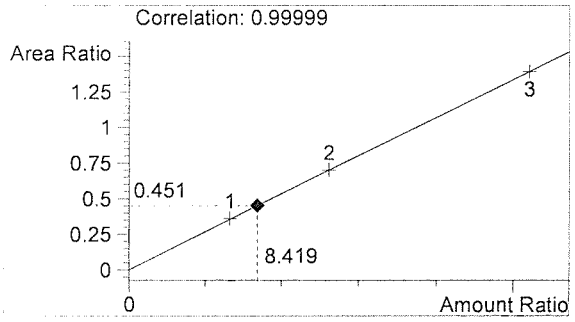
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/19/2015 11:31:57 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

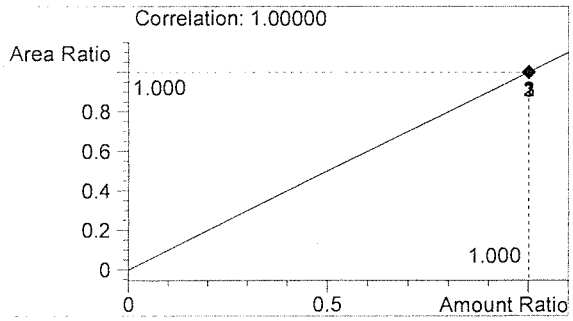
Sample Name: 15023-4
Operator: Katie Harris
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	1121	1.037
2	n-Propanol	2483	1.701



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

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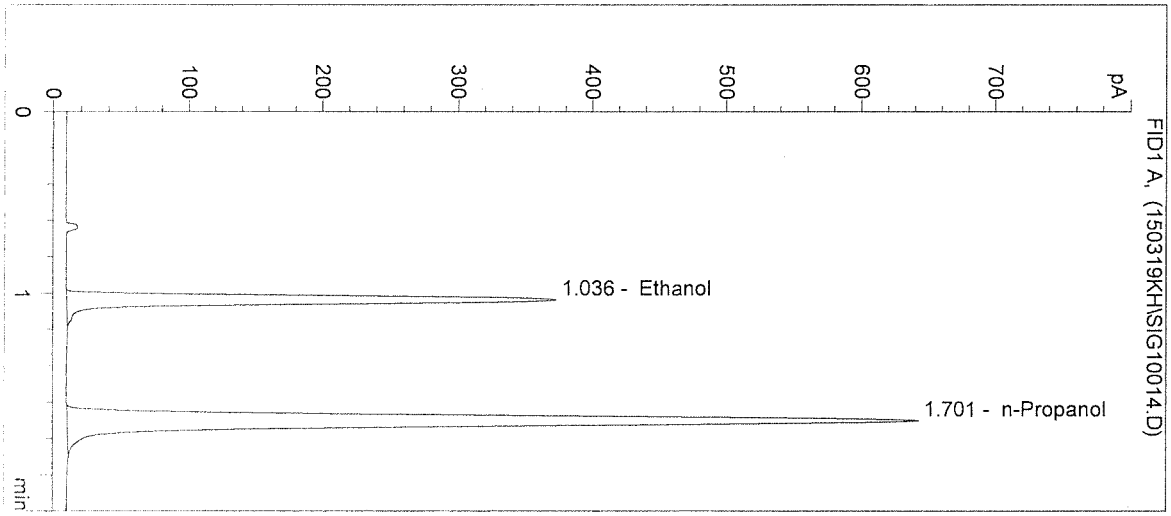
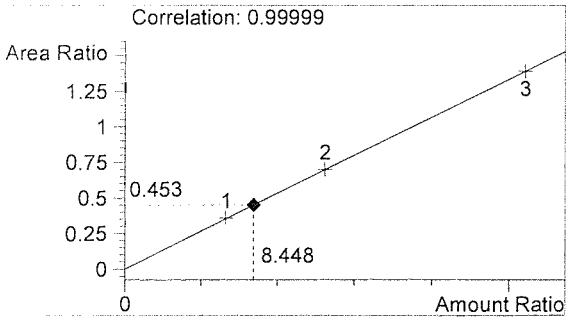
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/19/2015 11:35:10 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

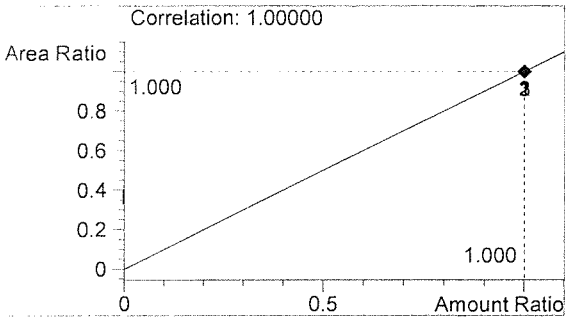
Sample Name: 15023-5
Operator: Katie Harris
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	1126	1.036
2	n-Propanol	2485	1.701



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

KH

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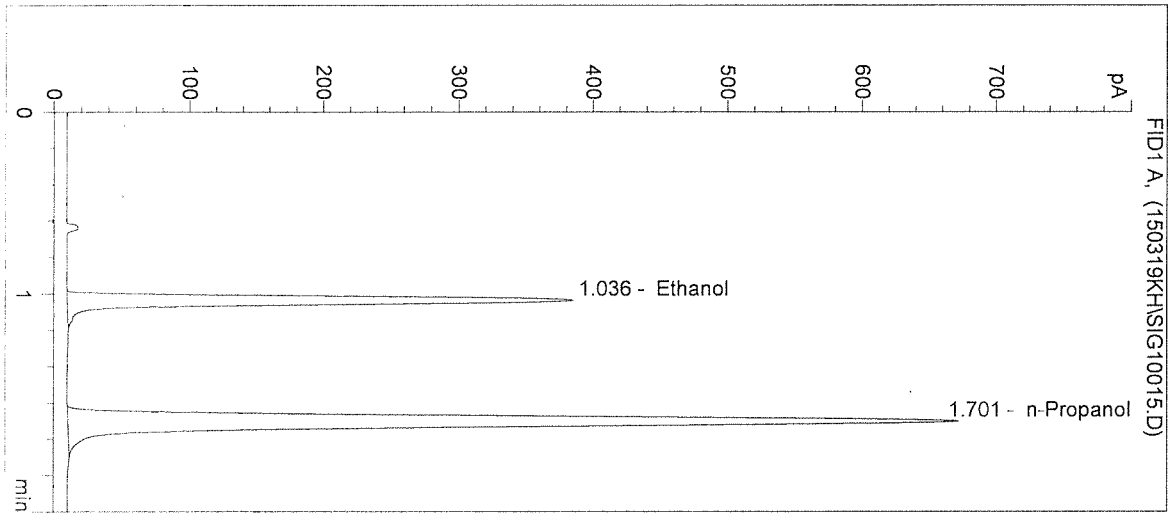
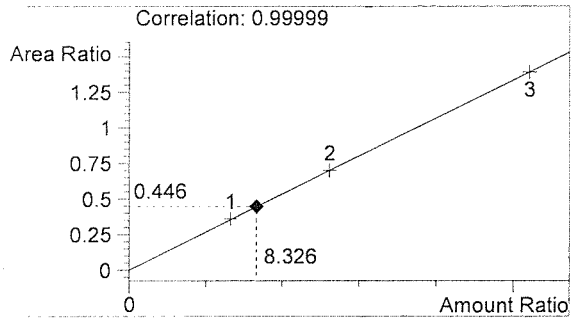
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/19/2015 11:38:24 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

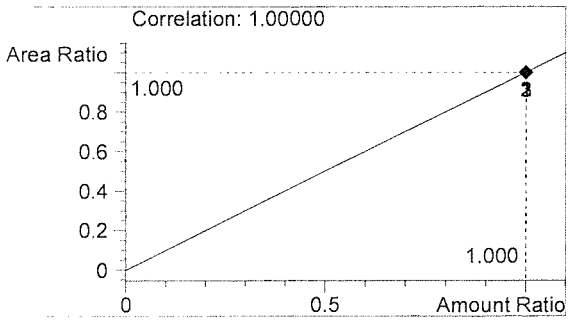
Sample Name: 0.10 CTRL
Operator: Katie Harris
Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	1157	1.036
2	n-Propanol	2592	1.701



Ethanol 0.100 g/100mL



n-Propanol 0.012 g/100mL

KH

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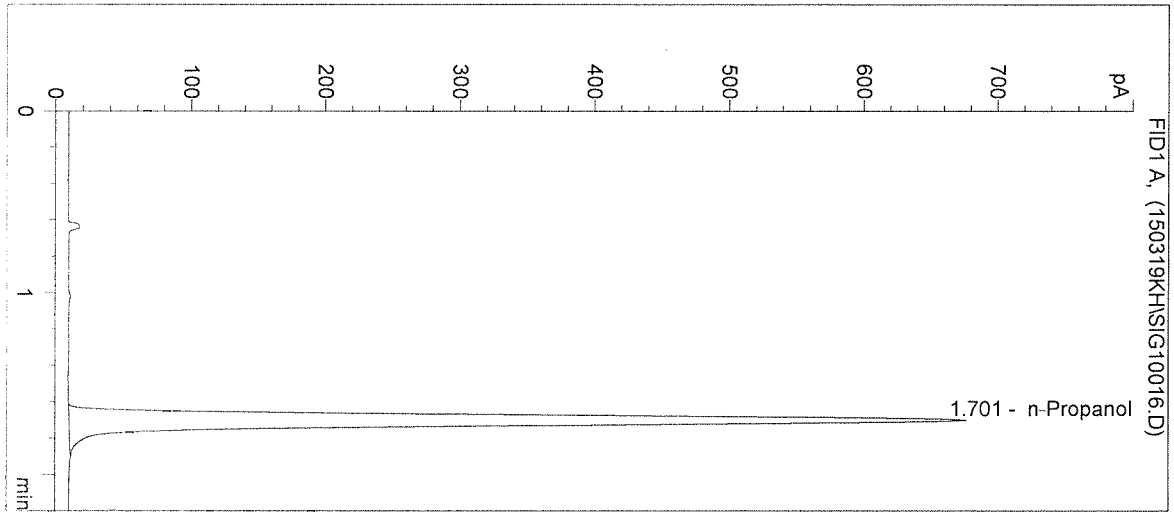
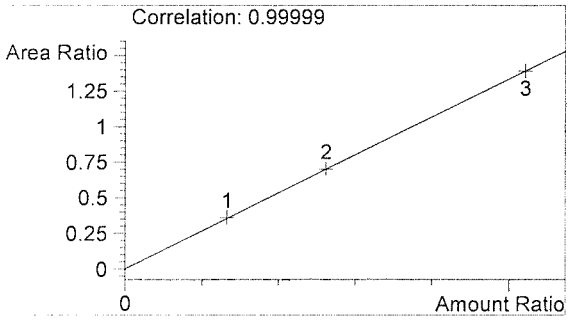
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/19/2015 11:41:36 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

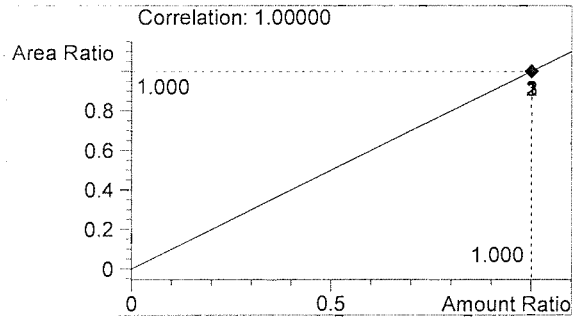
Sample Name: NEG CTRL
Operator: Katie Harris
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2613	1.701



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

KH

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

Sequence Parameters:

Operator:	Lyndsey Lowe
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:	150320LL
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E0315-01 - Exp. 09/13/2015
Ethanol Calibrator 2, E0315-02 - Exp. 09/13/2015
Ethanol Calibrator 3, E0315-03 - Exp. 09/13/2015
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#P0115 - Exp. 04/27/15

Calibration vials 1-9 filed with 15024.

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	15024 #1	SIMALC1	1	Sample		
11	Vial 11	15024 #2	SIMALC1	1	Sample		
12	Vial 12	15024 #3	SIMALC1	1	Sample		
13	Vial 13	15024 #4	SIMALC1	1	Sample		
14	Vial 14	15024 #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	15023 #1	SIMALC1	1	Sample		
18	Vial 18	15023 #2	SIMALC1	1	Sample		
19	Vial 19	15023 #3	SIMALC1	1	Sample		
20	Vial 20	15023 #4	SIMALC1	1	Sample		
21	Vial 21	15023 #5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		

15023 JM 4/13/15

Calibration Part:

Sequence: C:\HPCHEM\1\SEQUENCE\LLESS.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):

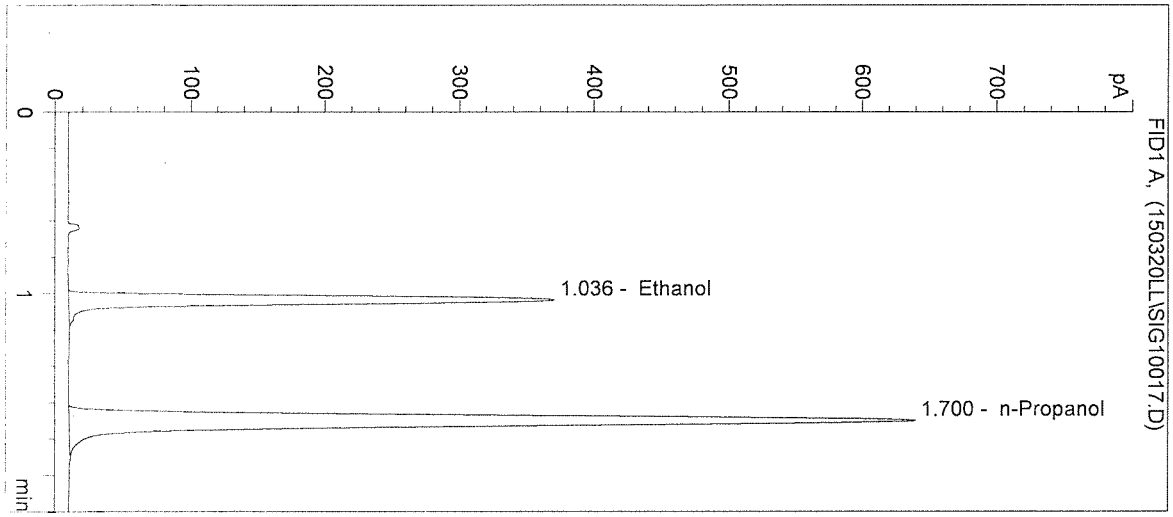
No entries - empty table!

15023
fm 4/12/15

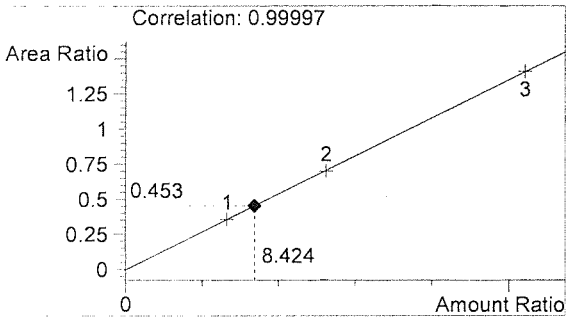
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/20/2015 11:09:18 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

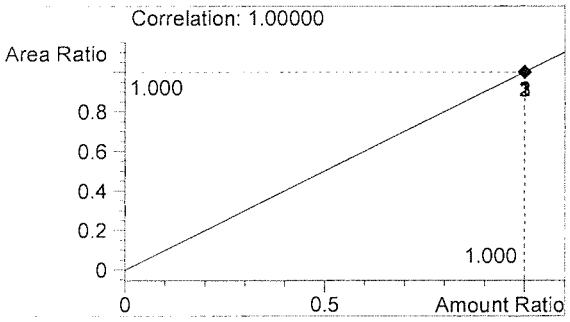
Sample Name: 15023 #1
Operator: Lyndsey Lowe
Location: Vial 17



#	Compound	Peak Area	RT (min)
1	Ethanol	1125	1.036
2	n-Propanol	2482	1.700



Ethanol 0.101 g/100mL

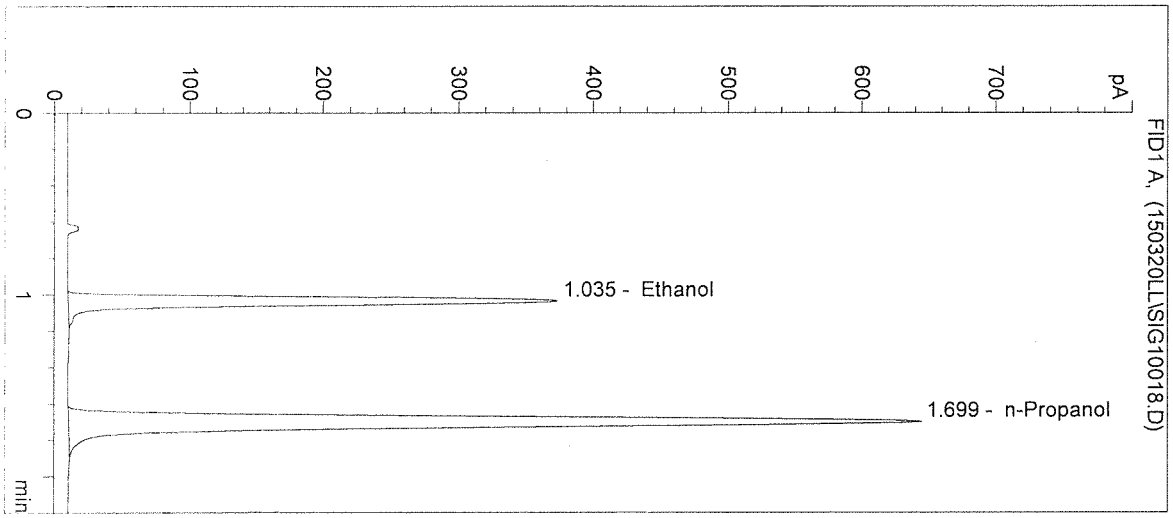


n-Propanol 0.012 g/100mL

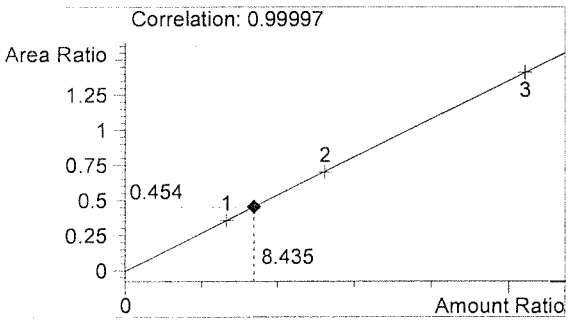
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/20/2015 11:12:31 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

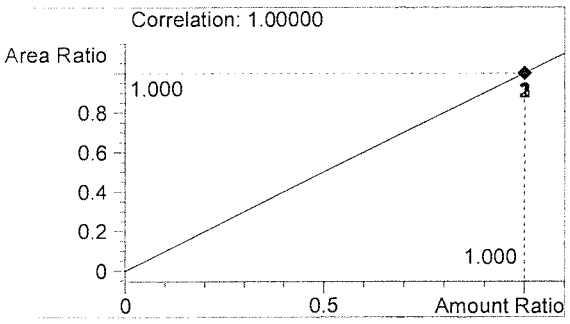
Sample Name: 15023 #2
Operator: Lyndsey Lowe
Location: Vial 18



#	Compound	Peak Area	RT (min)
1	Ethanol	1131	1.035
2	n-Propanol	2491	1.699



Ethanol 0.101 g/100mL

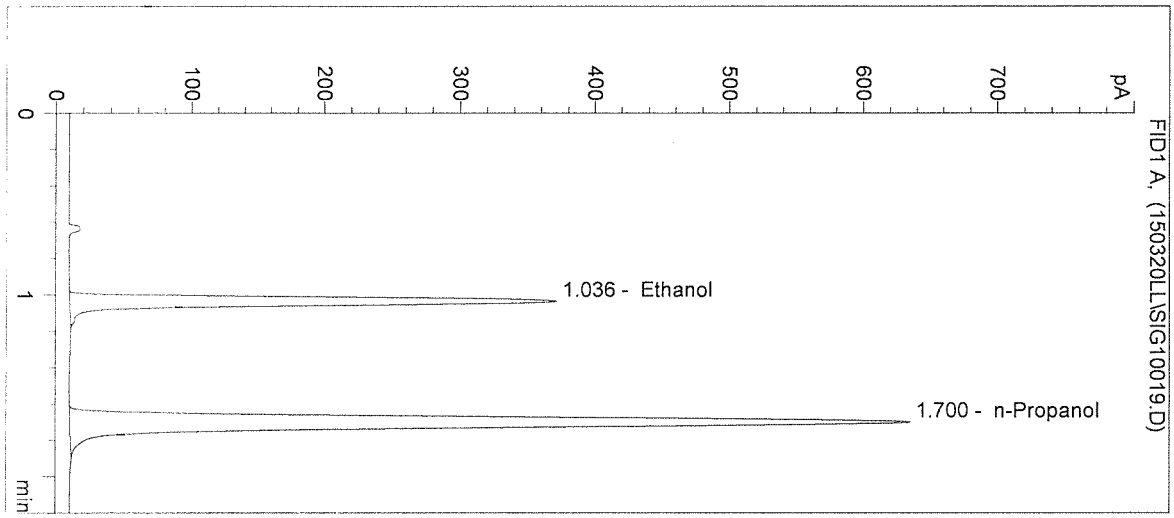


n-Propanol 0.012 g/100mL

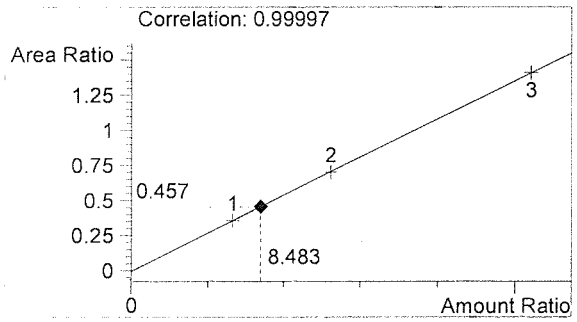
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/20/2015 11:15:45 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

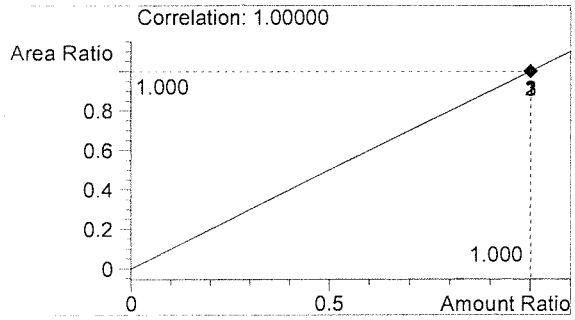
Sample Name: 15023 #3
Operator: Lyndsey Lowe
Location: Vial 19



#	Compound	Peak Area	RT (min)
1	Ethanol	1120	1.036
2	n-Propanol	2452	1.700



Ethanol 0.102 g/100mL

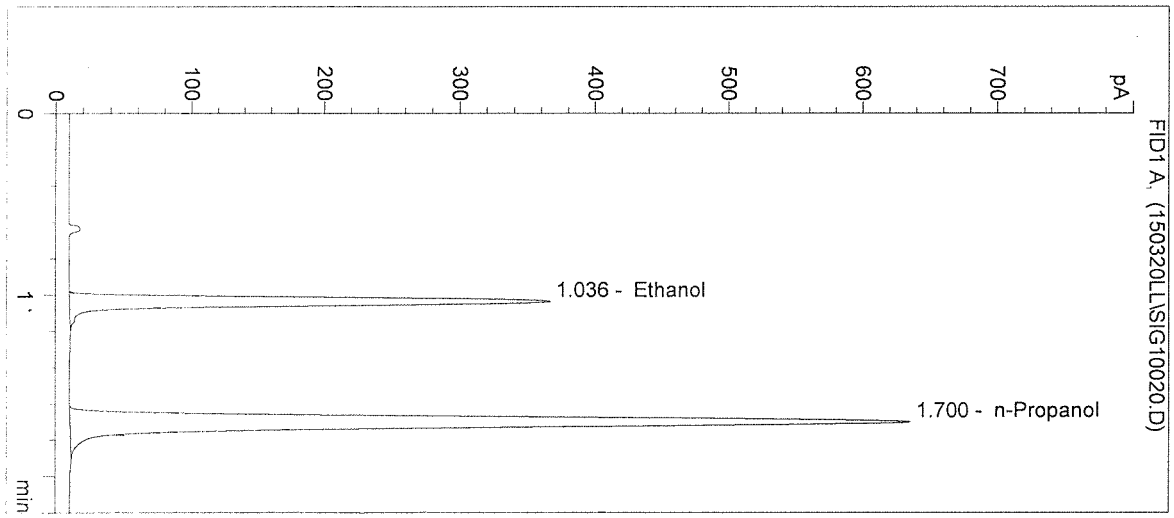


n-Propanol 0.012 g/100mL

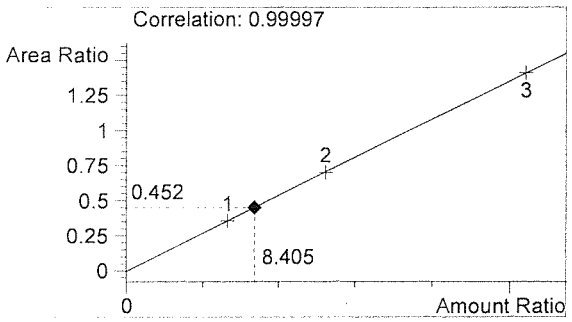
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/20/2015 11:18:58 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

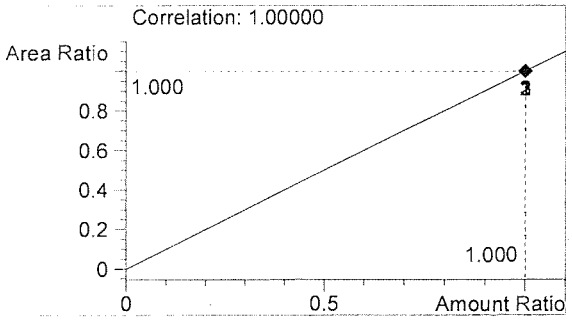
Sample Name: 15023 #4
Operator: Lyndsey Lowe
Location: Vial 20



#	Compound	Peak Area	RT (min)
1	Ethanol	1114	1.036
2	n-Propanol	2461	1.700



Ethanol 0.101 g/100mL

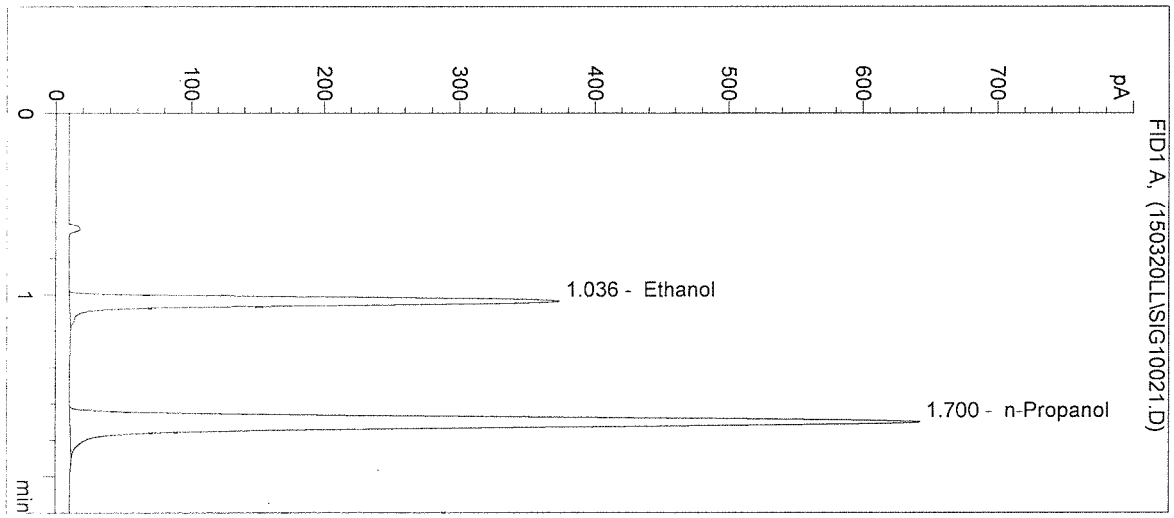


n-Propanol 0.012 g/100mL

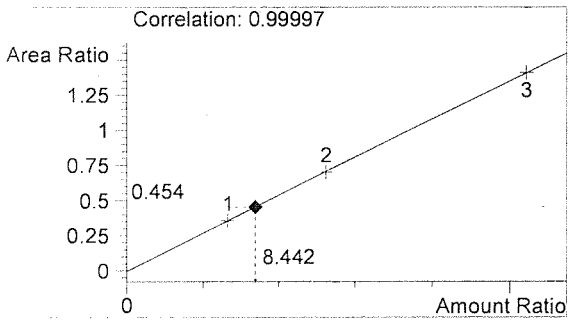
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/20/2015 11:22:12 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

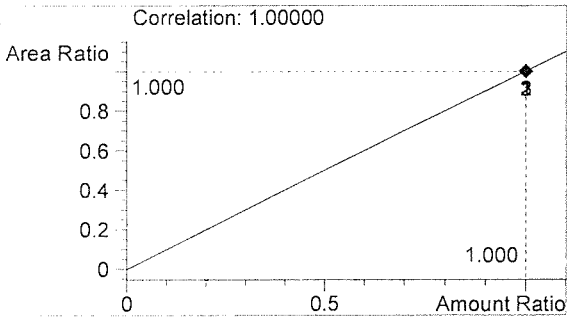
Sample Name: 15023 #5
Operator: Lyndsey Lowe
Location: Vial 21



#	Compound	Peak Area	RT (min)
1	Ethanol	1131	1.036
2	n-Propanol	2489	1.700



Ethanol 0.101 g/100mL

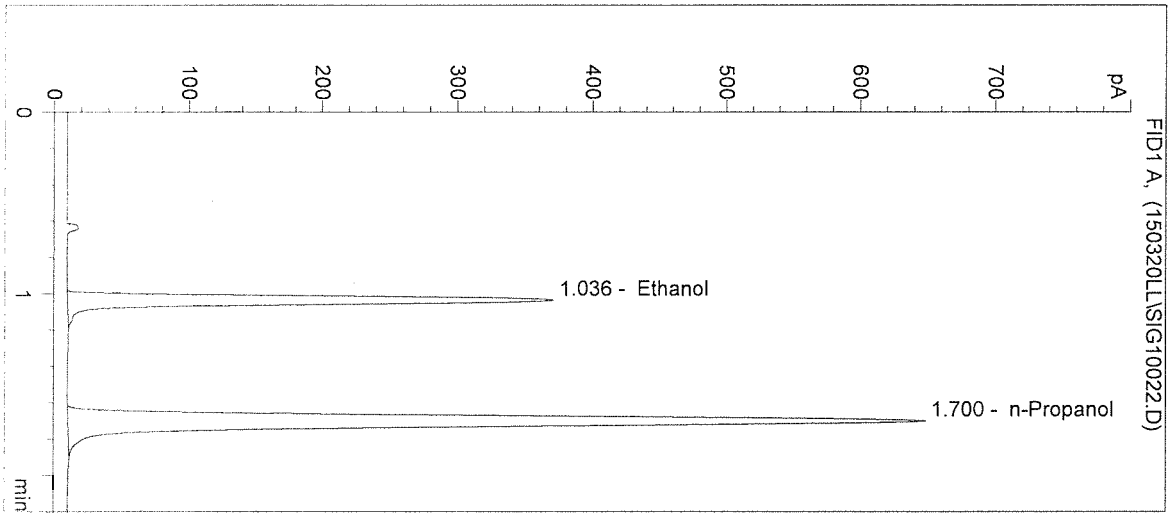


n-Propanol 0.012 g/100mL

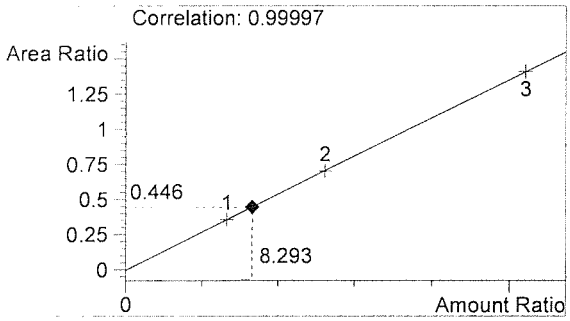
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/20/2015 11:25:25 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

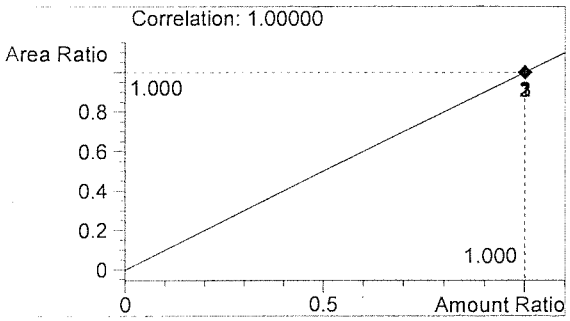
Sample Name: 0.10 CTRL
Operator: Lyndsey Lowe
Location: Vial 22



#	Compound	Peak Area	RT (min)
1	Ethanol	1120	1.036
2	n-Propanol	2509	1.700



Ethanol 0.100 g/100mL

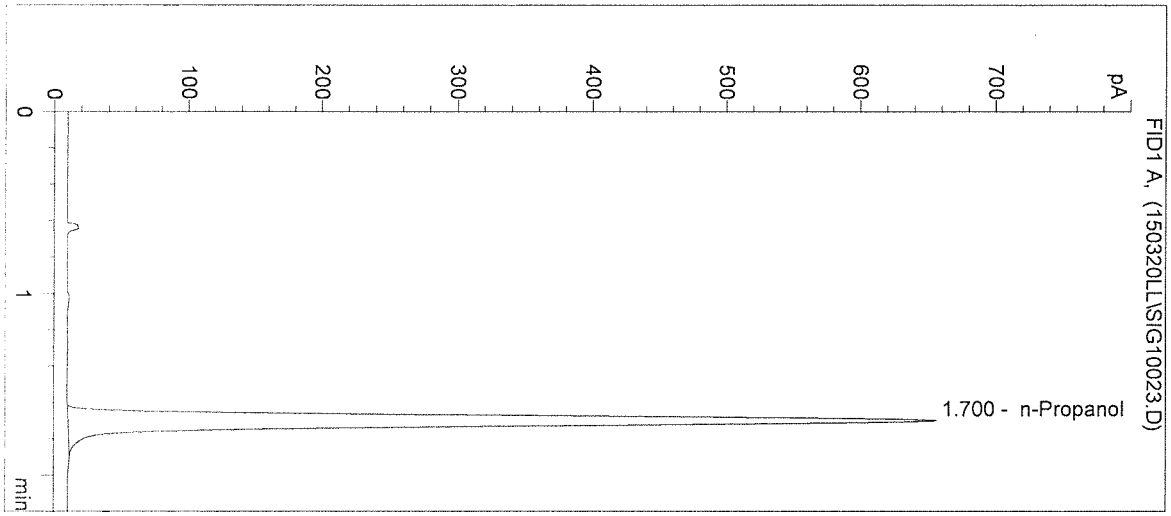


n-Propanol 0.012 g/100mL

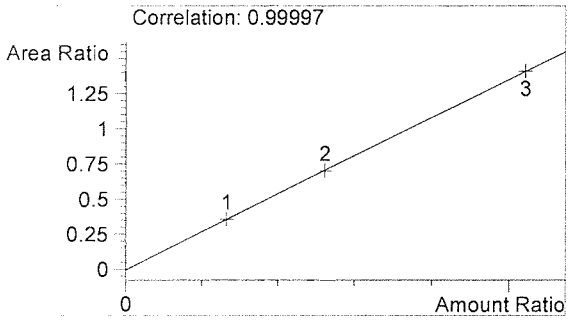
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/20/2015 11:28:38 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

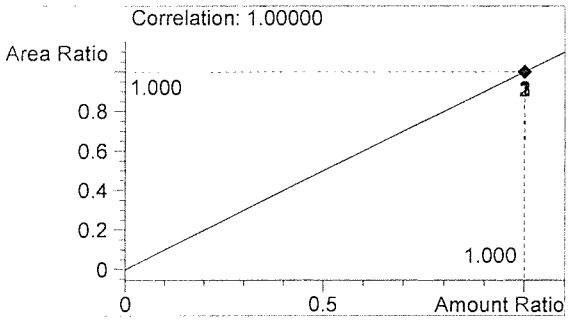
Sample Name: NEG CTRL
Operator: Lyndsey Lowe
Location: Vial 23



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2533	1.700



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:	150323JK
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E0315-01 - Exp. 09/13/2015
Ethanol Calibrator 2, E0315-02 - Exp. 09/13/2015
Ethanol Calibrator 3, E0315-03 - Exp. 09/13/2015
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#P0115 - Exp. 04/27/2015

Calibration vials 1-9 filed with 15023.

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	15023-1	SIMALC1	1	Sample		
11	Vial 11	15023-2	SIMALC1	1	Sample		
12	Vial 12	15023-3	SIMALC1	1	Sample		
13	Vial 13	15023-4	SIMALC1	1	Sample		
14	Vial 14	15023-5	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	15024-1	SIMALC1	1	Sample		
18	Vial 18	15024-2	SIMALC1	1	Sample		
19	Vial 19	15024-3	SIMALC1	1	Sample		
20	Vial 20	15024-4	SIMALC1	1	Sample		
21	Vial 21	15024-5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		

15023
JK 4/12/15

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!

15023
thy 4/23/15

JK

Calibration Table

Calib. Data Modified : Monday, March 23, 2015 3:19:56 PM

Calculate : Internal Standard
Based on : Peak Area

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

Curve Type : Linear
Origin : Included
Weight : Equal

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

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

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
1.036	1	1	7.94500e-2	888.20239	8.94503e-5	1		Ethanol
		2	1.57190e-1	1729.70691	9.08767e-5			
		3	3.12390e-1	3481.08398	8.97393e-5			
1.700	1	1	1.20000e-2	2487.47095	4.82418e-6	I1		n-Propanol
		2	1.20000e-2	2460.25269	4.87755e-6			
		3	1.20000e-2	2496.44531	4.80683e-6			

Peak Sum Table

No Entries in table

15023
JK 4/13/15

JK

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Calibration Curves

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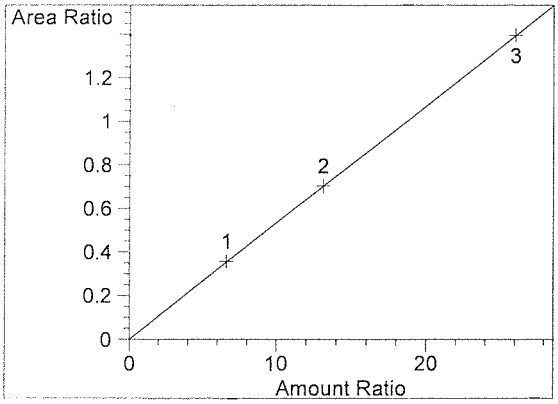
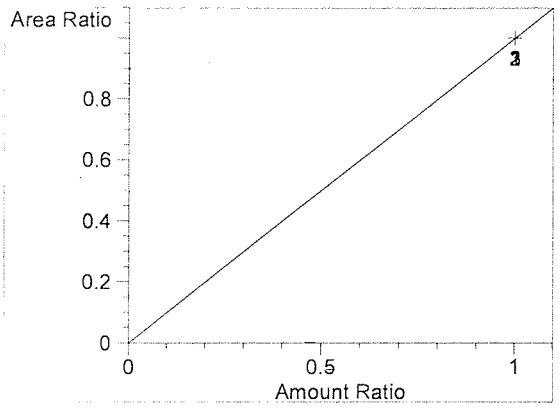


Ethanol at exp. RT: 1.036
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00141
Formula: y = mx + b
m: 5.35391e-2
b: 1.24956e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.700
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

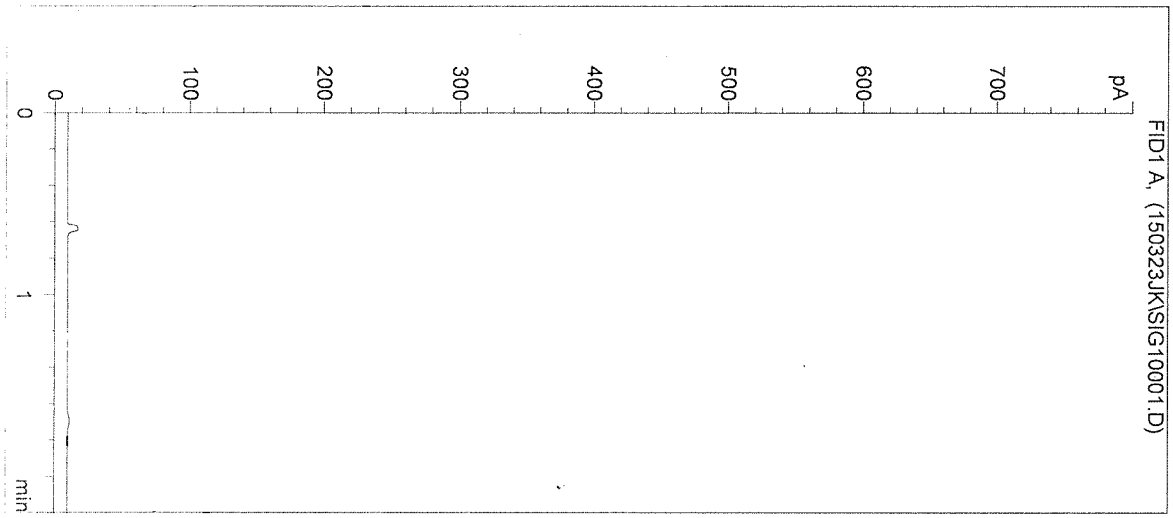
==========

15023
JN 4/12/15

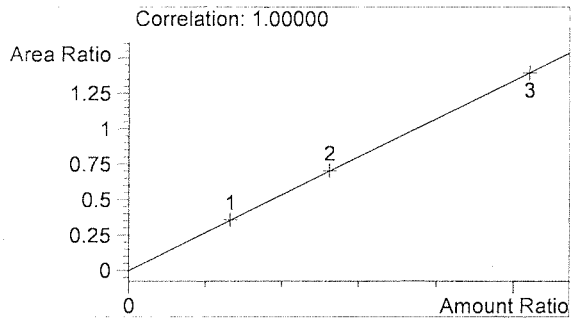
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/23/2015 3:07:53 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

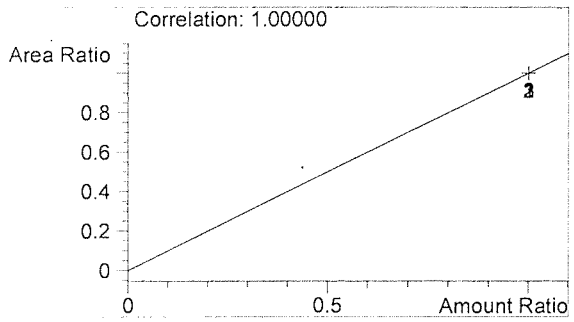
Sample Name: BLANK
Operator: Justin Knoy
Location: Vial 1



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



Ethanol 0.000 g/100mL



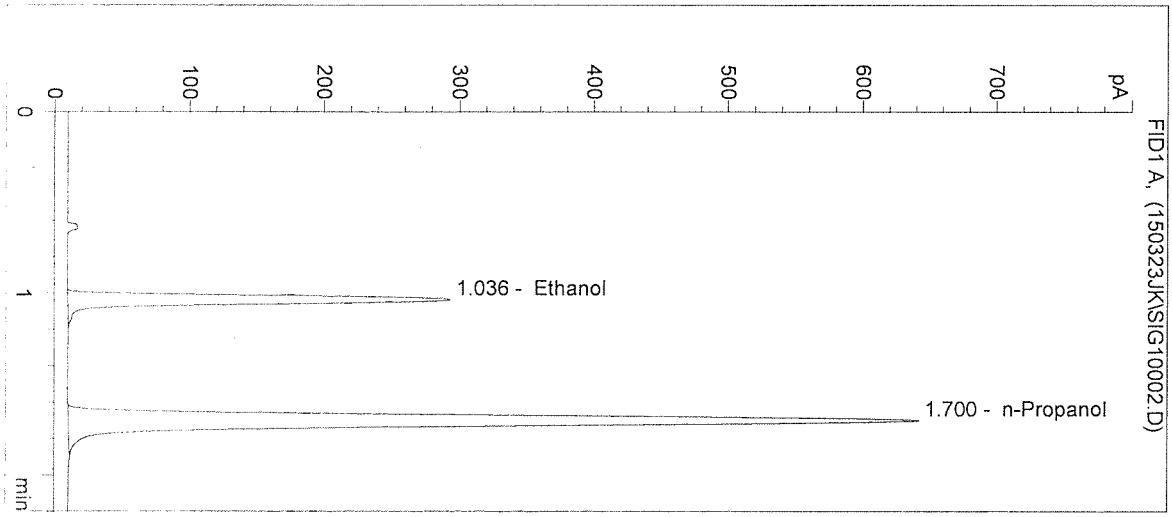
n-Propanol 0.000 g/100mL

JK

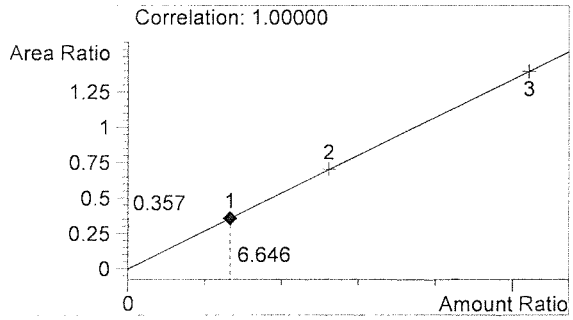
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/23/2015 3:11:09 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

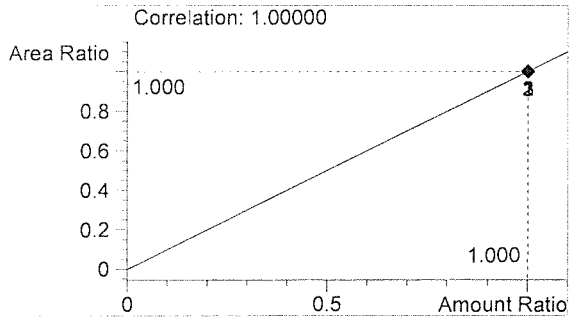
Sample Name: 0.079 CAL 1
Operator: Justin Knoy
Location: Vial 2



#	Compound	Peak Area	RT (min)
1	Ethanol	888	1.036
2	n-Propanol	2487	1.700



Ethanol 0.080 g/100mL



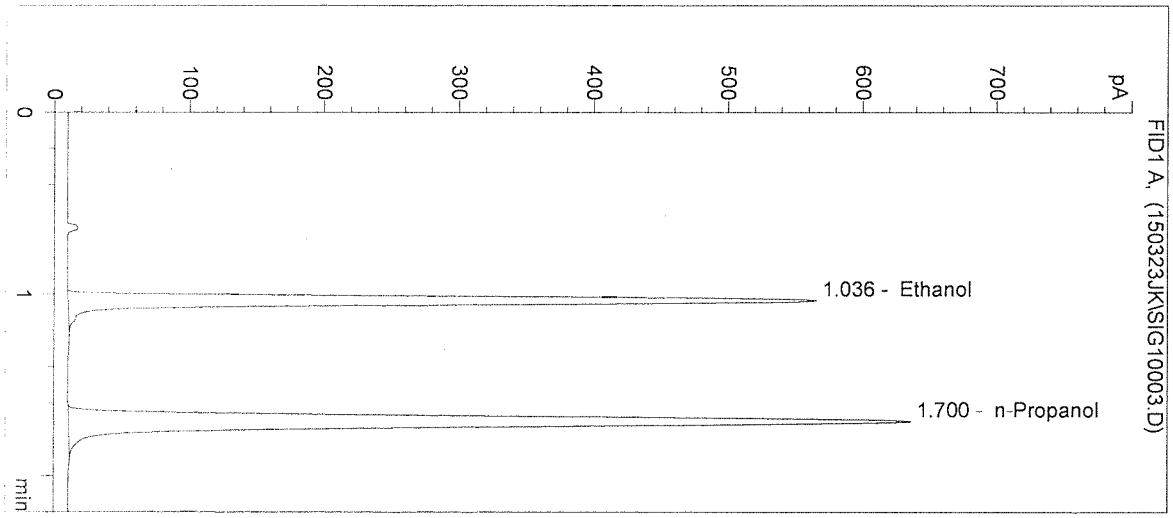
n-Propanol 0.012 g/100mL

JK

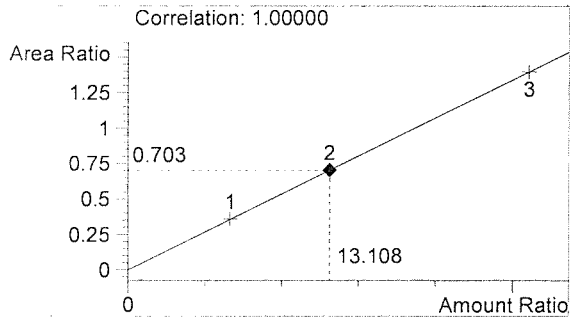
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/23/2015 3:14:26 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

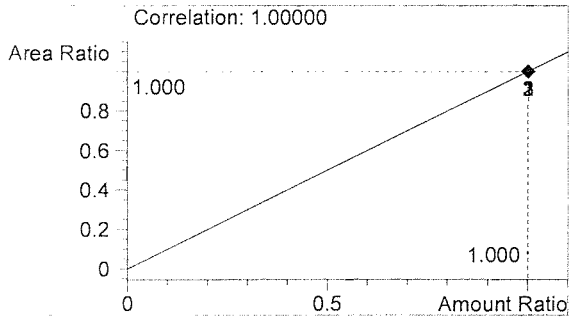
Sample Name: 0.158 CAL 2
Operator: Justin Knoy
Location: Vial 3



#	Compound	Peak Area	RT (min)
1	Ethanol	1730	1.036
2	n-Propanol	2460	1.700



Ethanol 0.157 g/100mL



n-Propanol 0.012 g/100mL

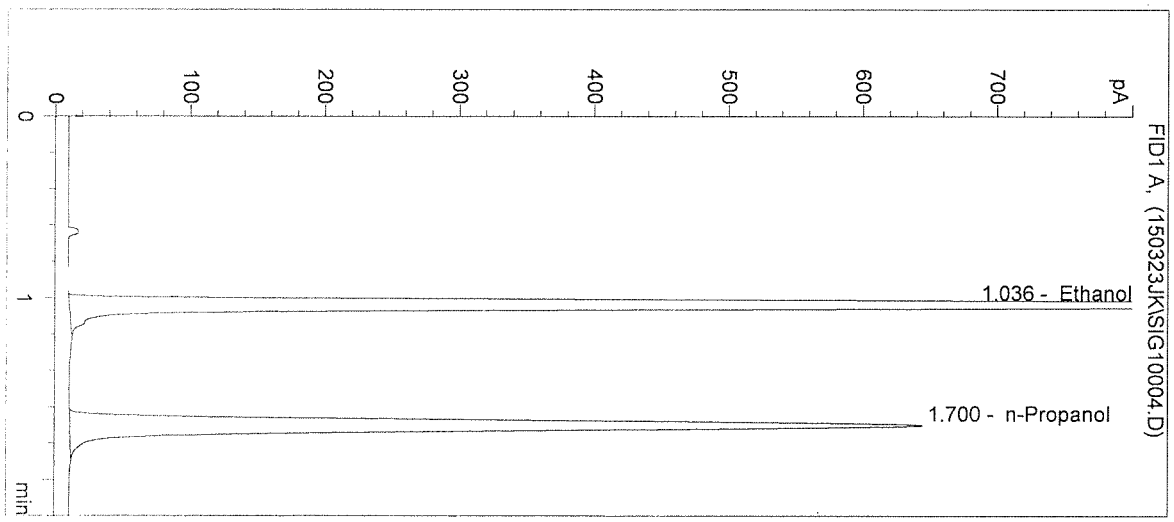
JR

JR

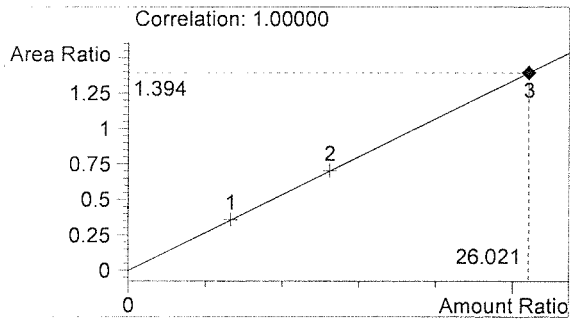
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/23/2015 3:17:43 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

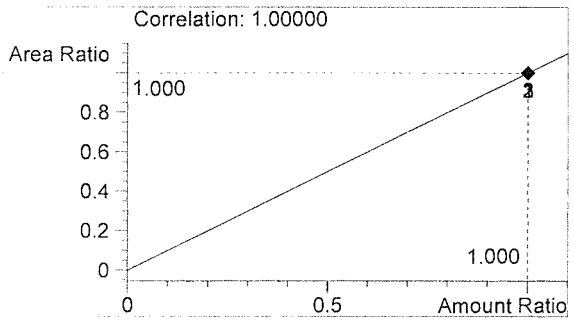
Sample Name: 0.316 CAL 3
Operator: Justin Knoy
Location: Vial 4



#	Compound	Peak Area	RT (min)
1	Ethanol	3481	1.036
2	n-Propanol	2496	1.700



Ethanol 0.312 g/100mL



n-Propanol 0.012 g/100mL

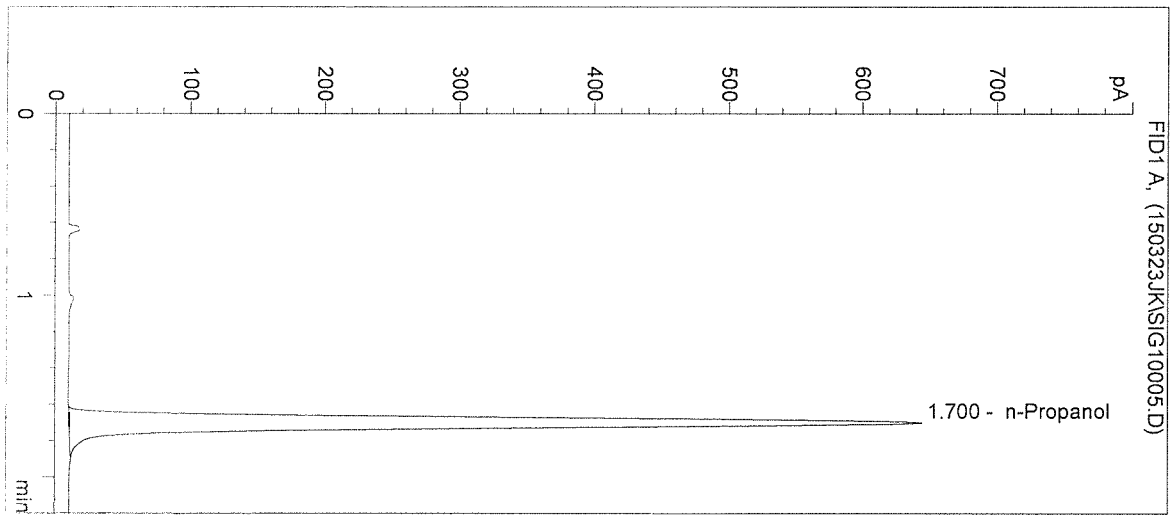
fr

JK

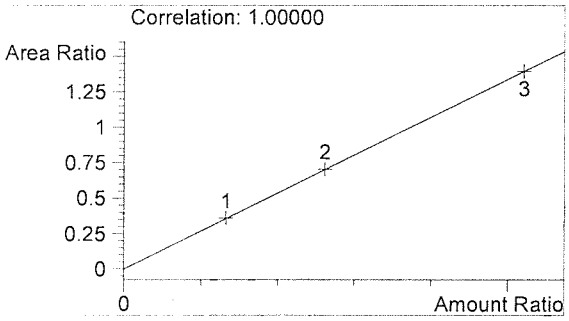
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/23/2015 3:20:57 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

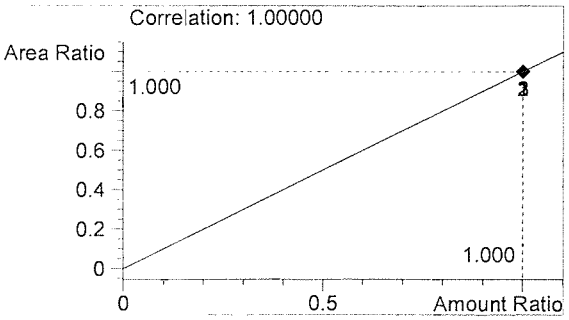
Sample Name: NEG CTRL
Operator: Justin Knoy
Location: Vial 5



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2501	1.700



Ethanol 0.000 g/100mL

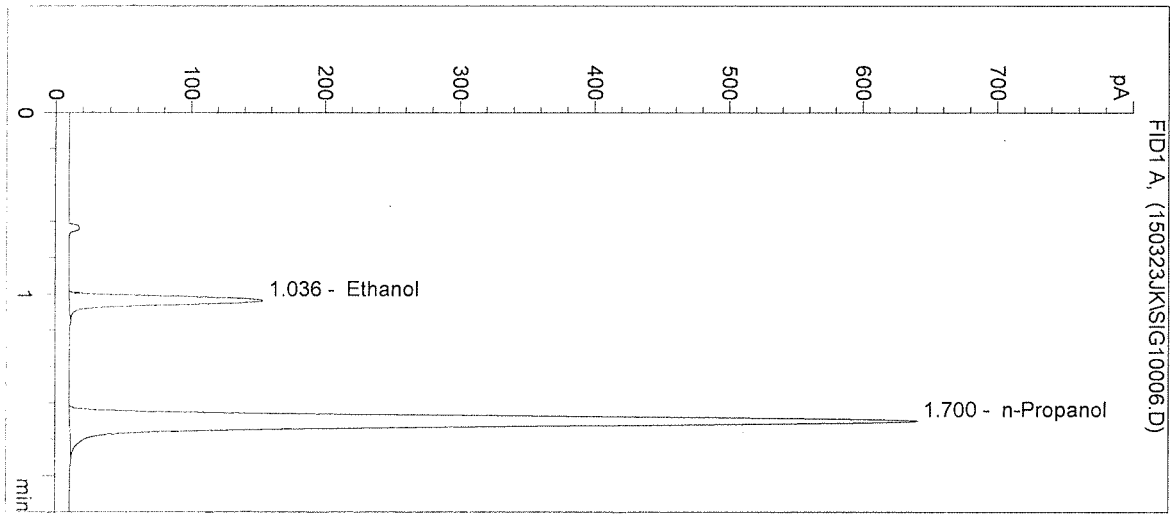


n-Propanol 0.012 g/100mL

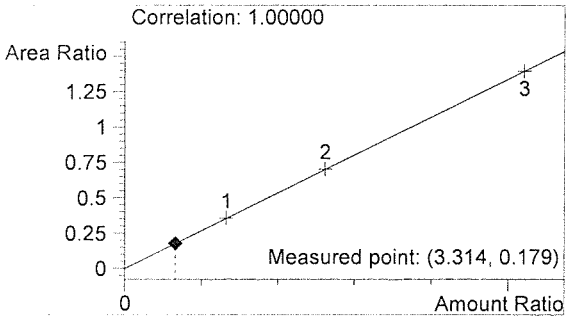
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/23/2015 3:24:10 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

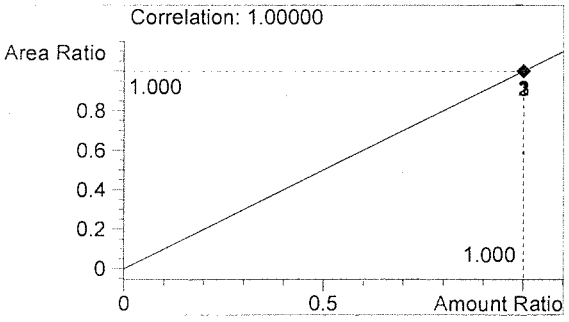
Sample Name: 0.04 CTRL
Operator: Justin Knoy
Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	443	1.036
2	n-Propanol	2481	1.700



Ethanol 0.040 g/100mL

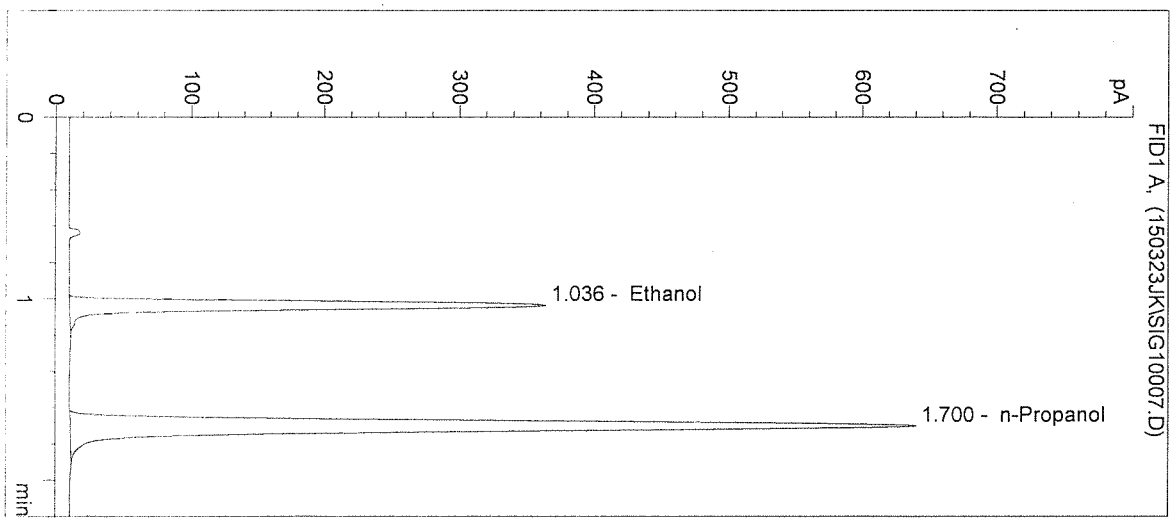


n-Propanol 0.012 g/100mL

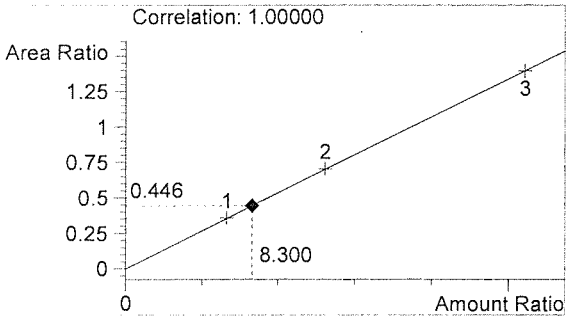
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/23/2015 3:27:23 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

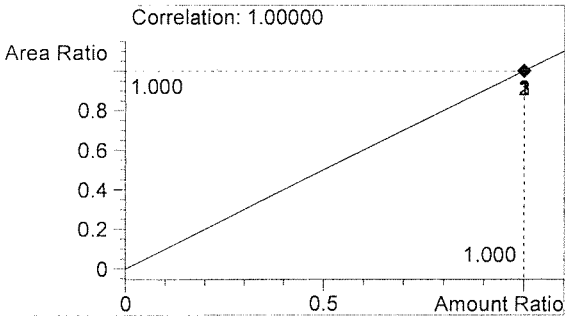
Sample Name: 0.10 CTRL
Operator: Justin Knoy
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	1104	1.036
2	n-Propanol	2478	1.700



Ethanol 0.100 g/100mL

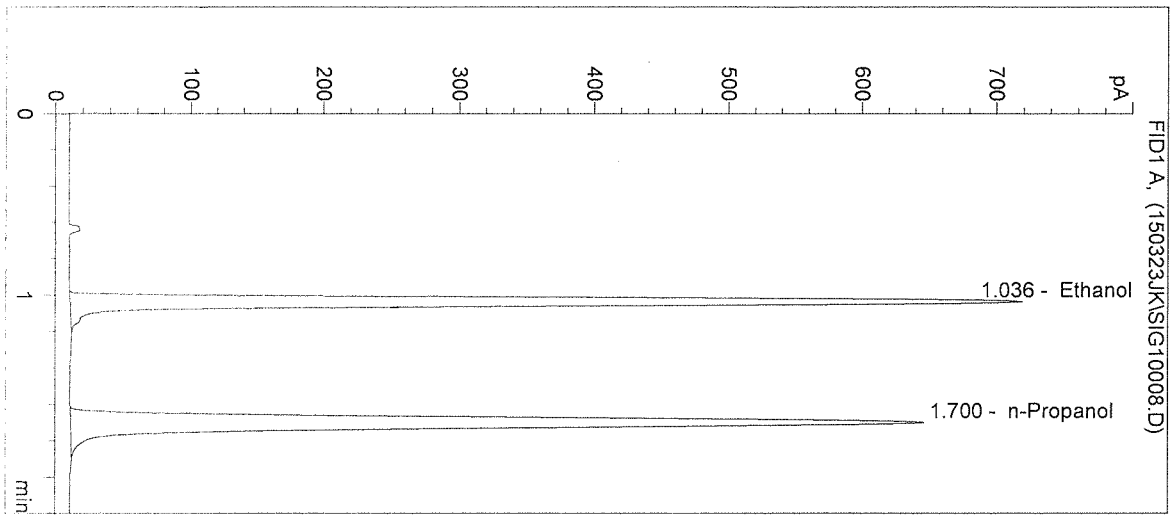


n-Propanol 0.012 g/100mL

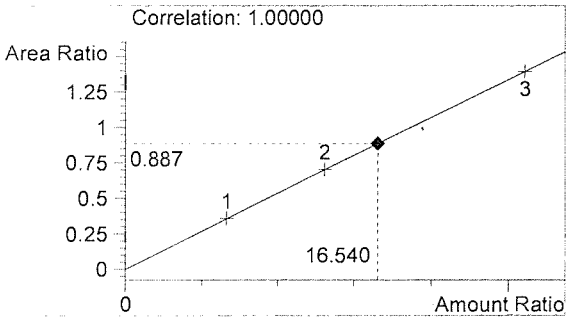
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/23/2015 3:30:36 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

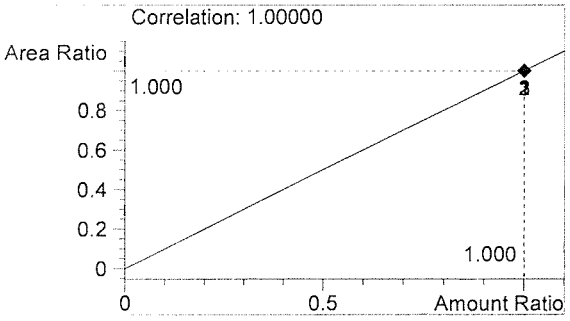
Sample Name: 0.20 CTRL
Operator: Justin Knoy
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	2223	1.036
2	n-Propanol	2507	1.700



Ethanol 0.198 g/100mL

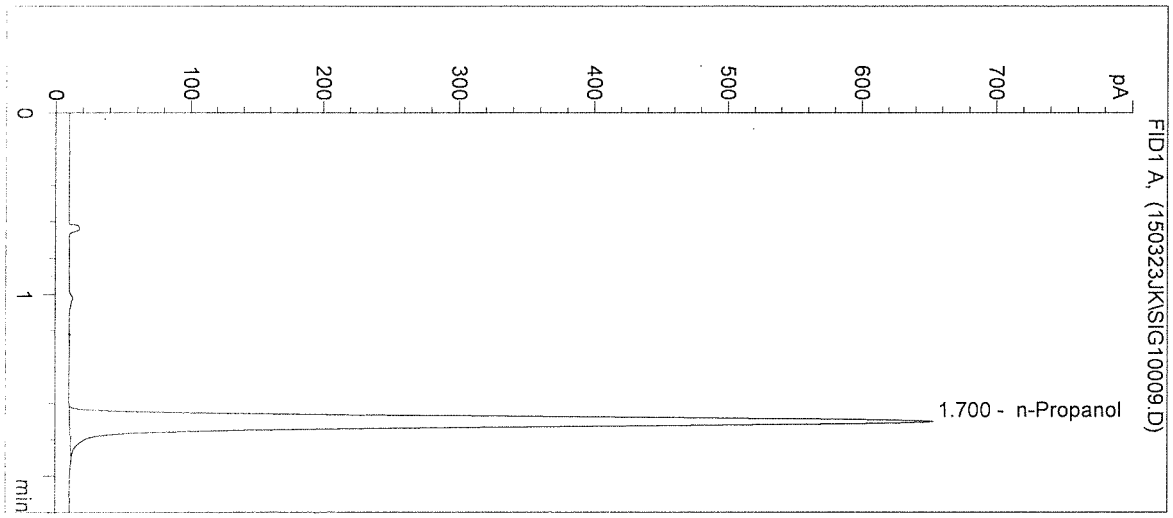


n-Propanol 0.012 g/100mL

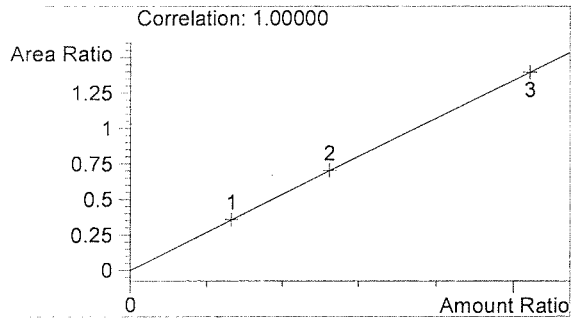
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/23/2015 3:33:49 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

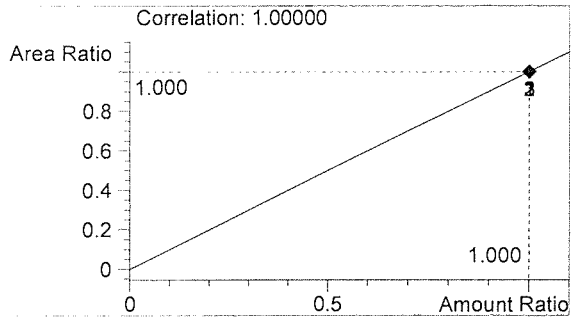
Sample Name: NEG CTRL
Operator: Justin Knoy
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2527	1.700



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

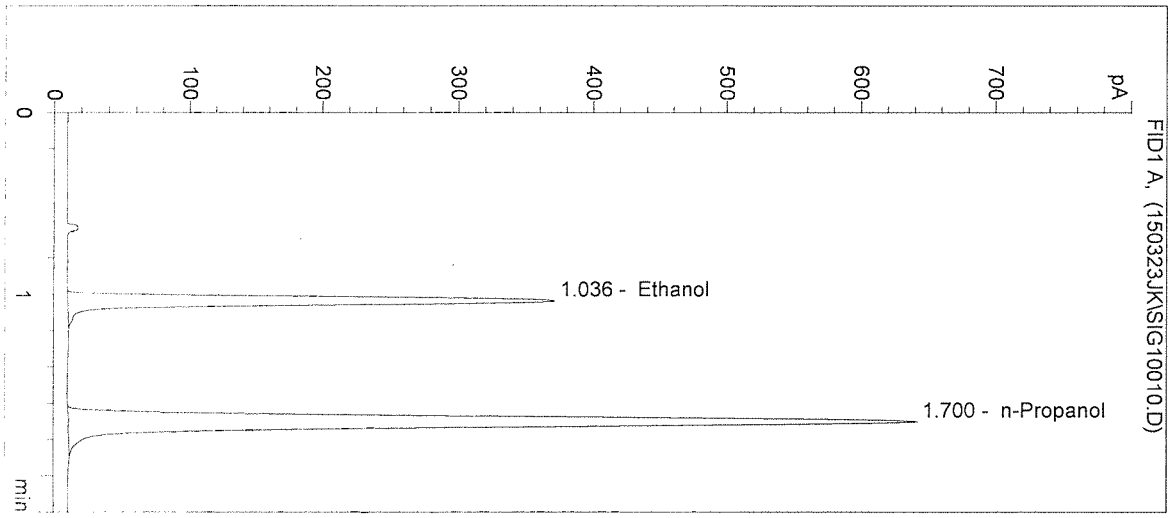
fn

JR

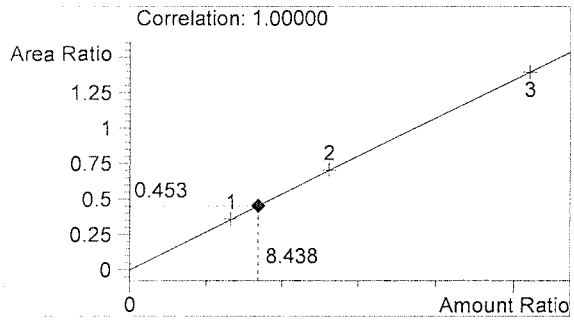
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/23/2015 3:37:02 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

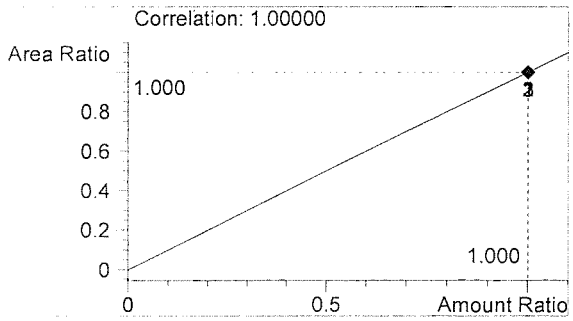
Sample Name: 15023-1
Operator: Justin Knoy
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	1128	1.036
2	n-Propanol	2489	1.700



Ethanol 0.101 g/100mL

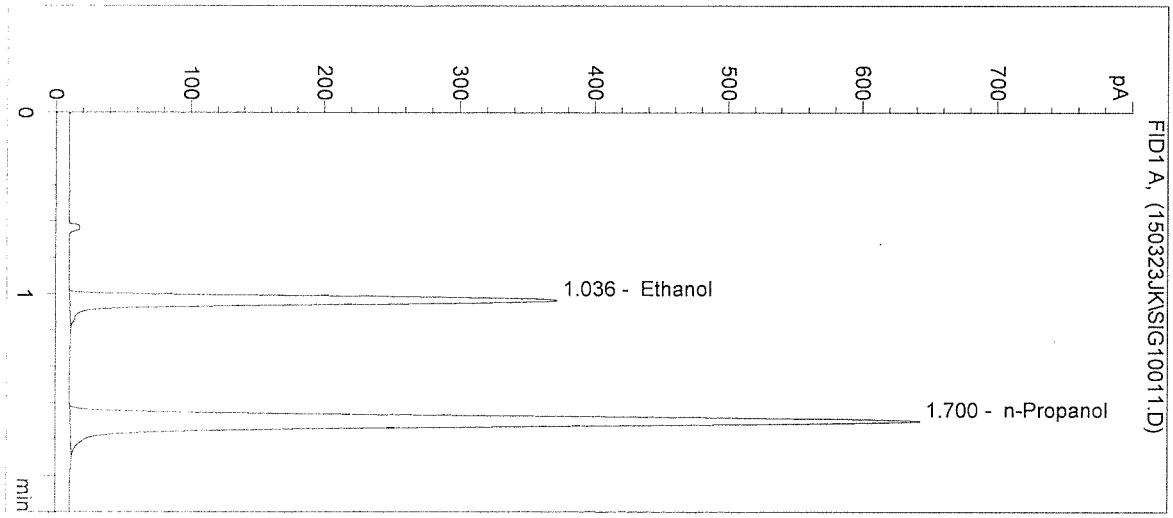


n-Propanol 0.012 g/100mL

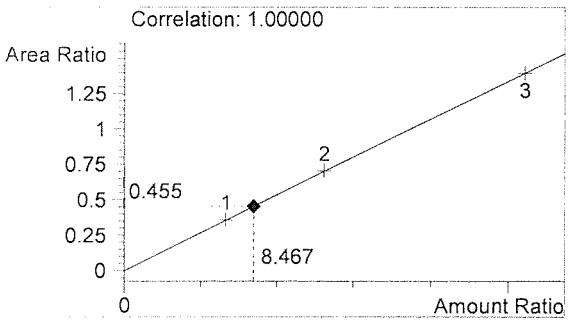
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/23/2015 3:40:16 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

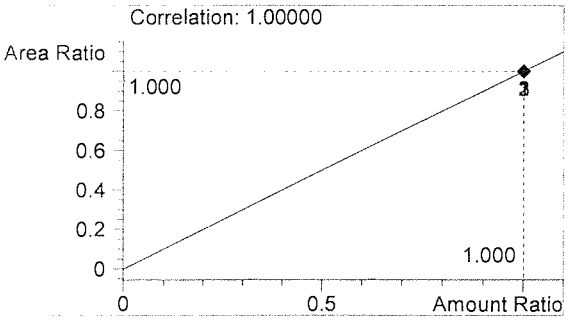
Sample Name: 15023-2
Operator: Justin Knoy
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	1132	1.036
2	n-Propanol	2491	1.700



Ethanol 0.102 g/100mL

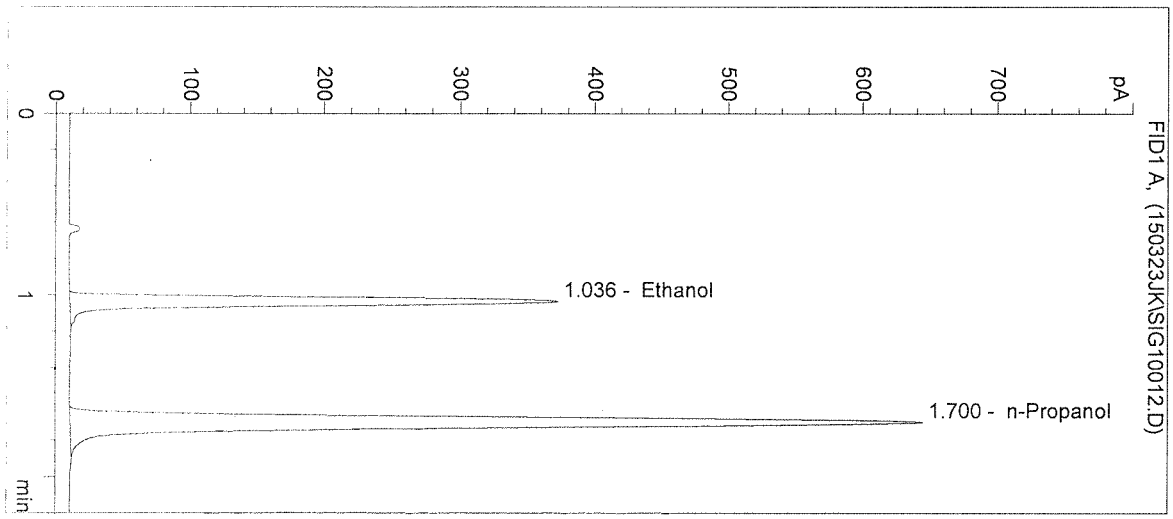


n-Propanol 0.012 g/100mL

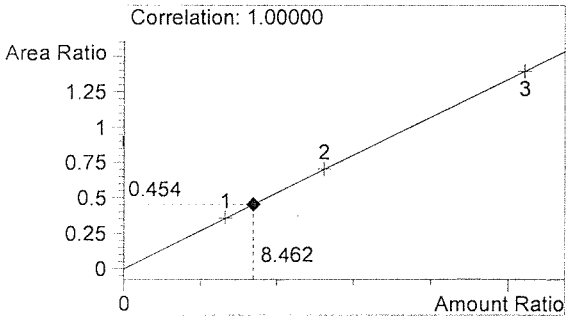
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/23/2015 3:43:29 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

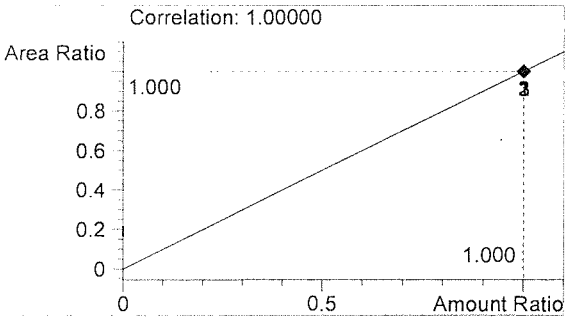
Sample Name: 15023-3
Operator: Justin Knoy
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	1135	1.036
2	n-Propanol	2498	1.700



Ethanol 0.102 g/100mL



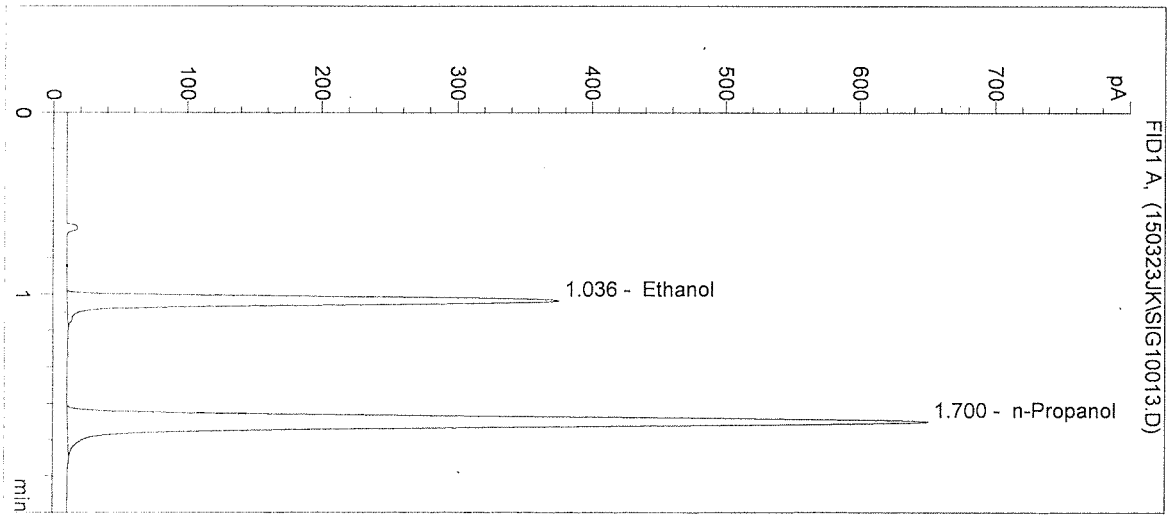
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\150323JK\SIG10012.D

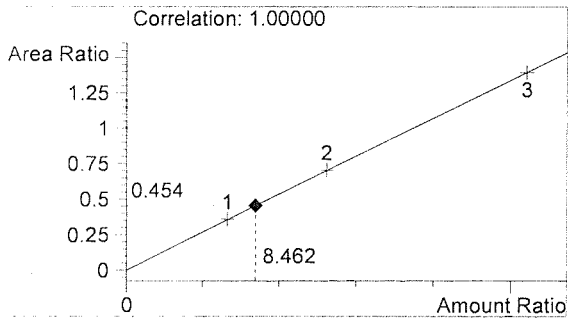
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/23/2015 3:46:42 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

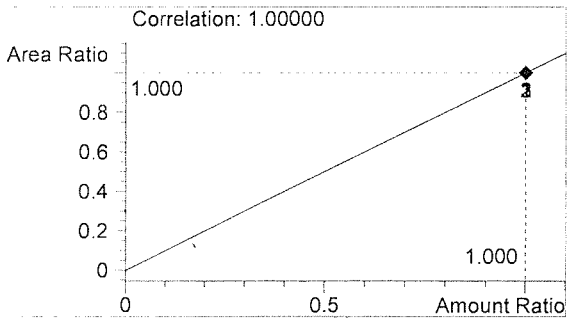
Sample Name: 15023-4
Operator: Justin Knoy
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	1146	1.036
2	n-Propanol	2522	1.700



Ethanol 0.102 g/100mL



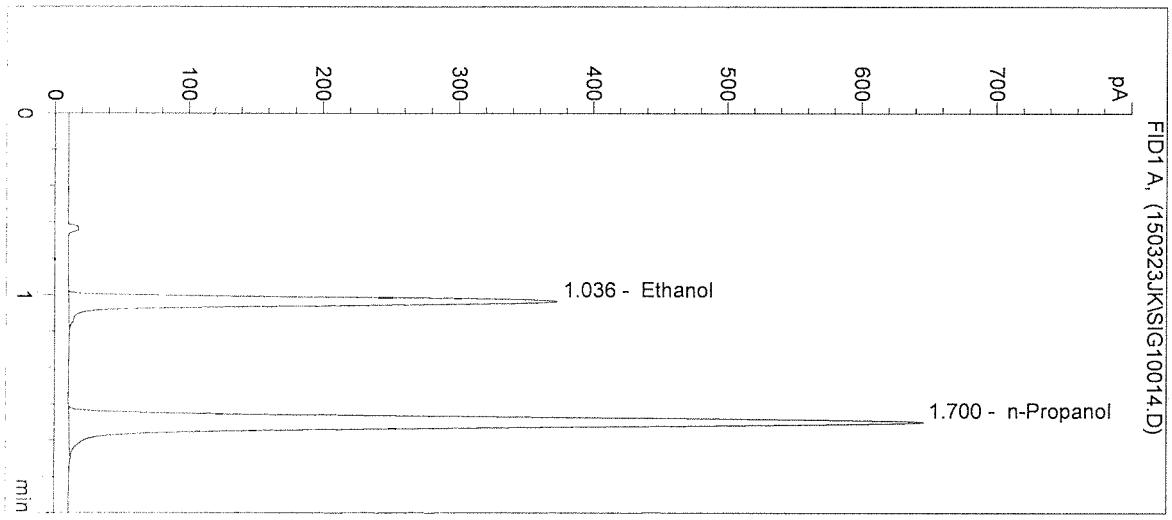
n-Propanol 0.012 g/100mL

JK

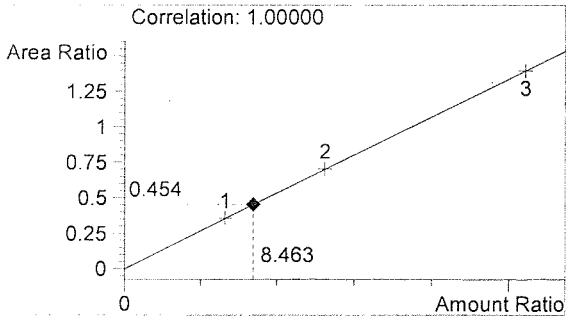
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/23/2015 3:49:55 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

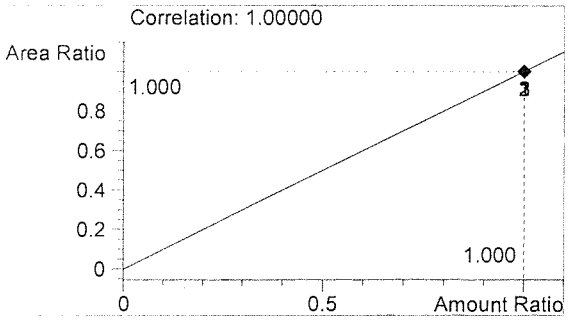
Sample Name: 15023-5
Operator: Justin Knoy
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	1134	1.036
2	n-Propanol	2495	1.700



Ethanol 0.102 g/100mL

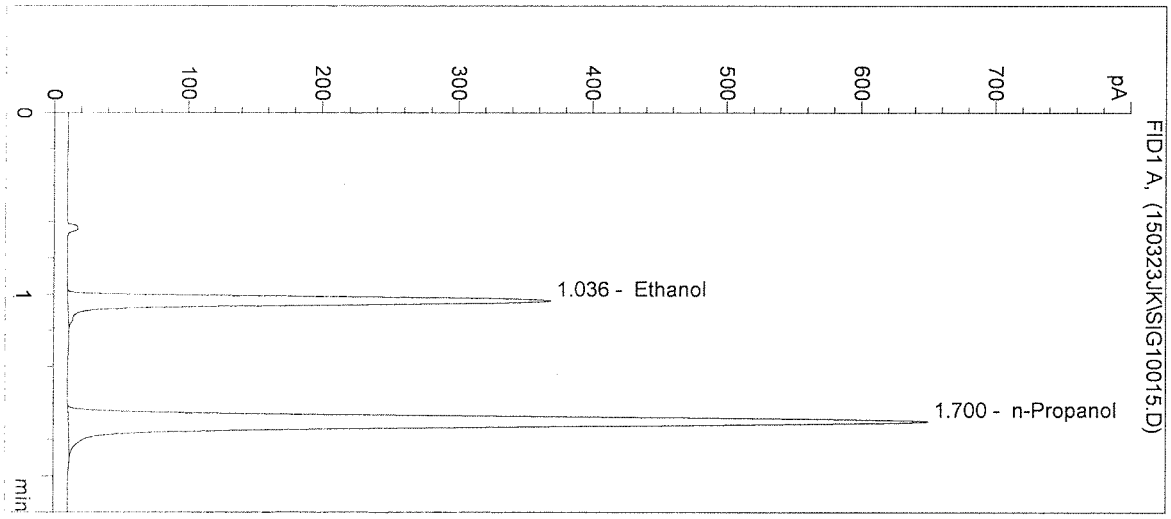


n-Propanol 0.012 g/100mL

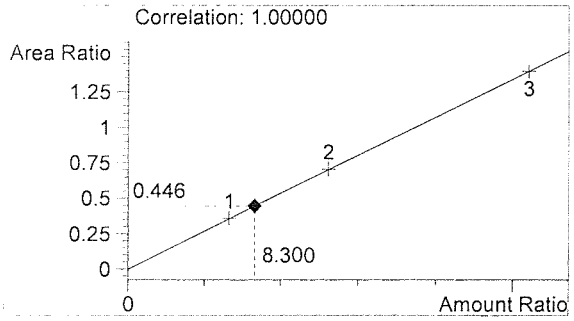
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/23/2015 3:53:09 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

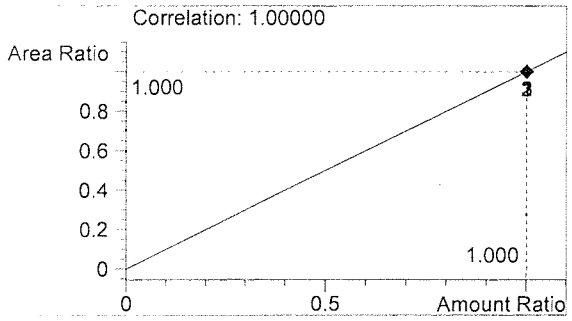
Sample Name: 0.10 CTRL
Operator: Justin Knoy
Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	1122	1.036
2	n-Propanol	2518	1.700



Ethanol 0.100 g/100mL

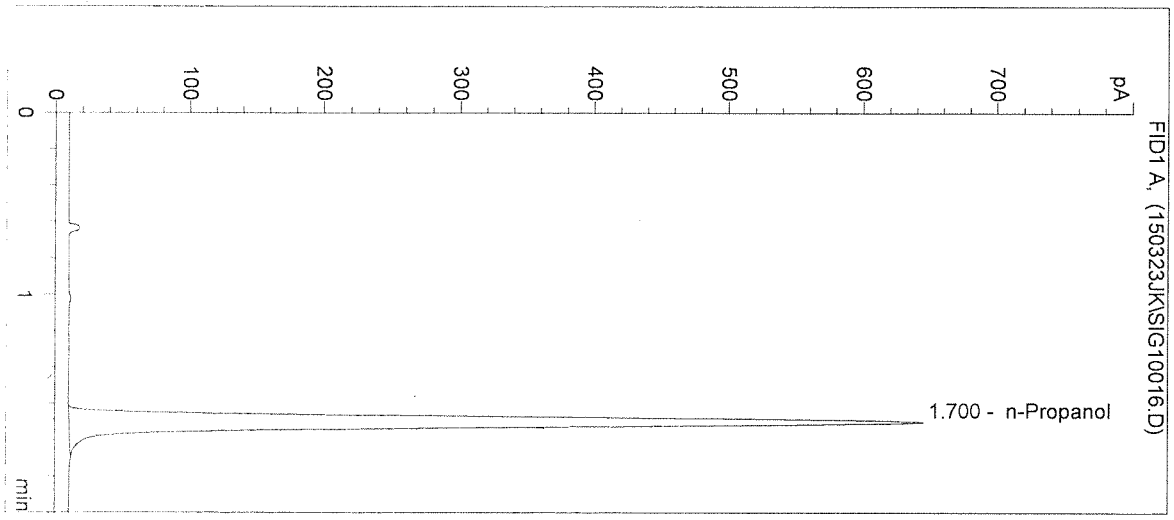


n-Propanol 0.012 g/100mL

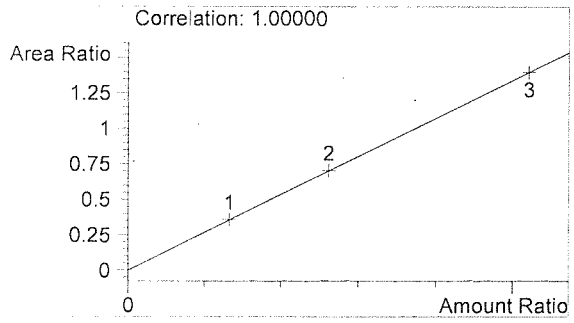
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/23/2015 3:56:22 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

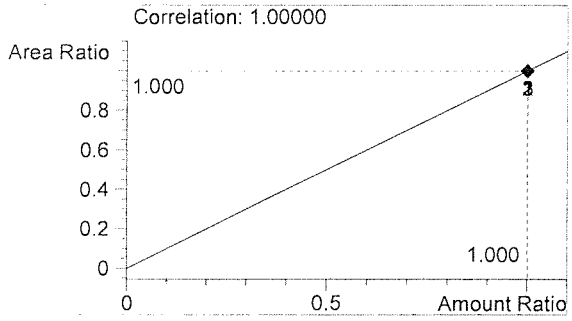
Sample Name: NEG CTRL
Operator: Justin Knoy
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2498	1.700



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:	150326EW
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E0315-01 - Exp. 09/13/2015
Ethanol Calibrator 2, E0315-02 - Exp. 09/13/2015
Ethanol Calibrator 3, E0315-03 - Exp. 09/13/2015

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#P0115 - Exp. 04/27/2015

Calibration vials 1-9 filed with 15023.

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	15023-1	SIMALC1	1	Sample		
11	Vial 11	15023-2	SIMALC1	1	Sample		
12	Vial 12	15023-3	SIMALC1	1	Sample		
13	Vial 13	15023-4	SIMALC1	1	Sample		
14	Vial 14	15023-5	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	15024-1	SIMALC1	1	Sample		
18	Vial 18	15024-2	SIMALC1	1	Sample		
19	Vial 19	15024-3	SIMALC1	1	Sample		
20	Vial 20	15024-4	SIMALC1	1	Sample		
21	Vial 21	15024-5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		

15023
fn 4/12/15

EW

Sequence: C:\HPCHEM\1\SEQUENCE\EW-ESS.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!

15023

fu 4/12/15

EW

Calibration Table

Calib. Data Modified : Thursday, March 26, 2015 10:03:00 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
1.036	1	1	7.94500e-2	859.45721	9.24421e-5	1		Ethanol
		2	1.57190e-1	1695.47339	9.27116e-5			
		3	3.12390e-1	3348.68994	9.32872e-5			
1.700	1	1	1.20000e-2	2392.48291	5.01571e-6	I1		n-Propanol
		2	1.20000e-2	2443.10791	4.91178e-6			
		3	1.20000e-2	2429.02832	4.94025e-6			

Peak Sum Table

15023
4/13/15

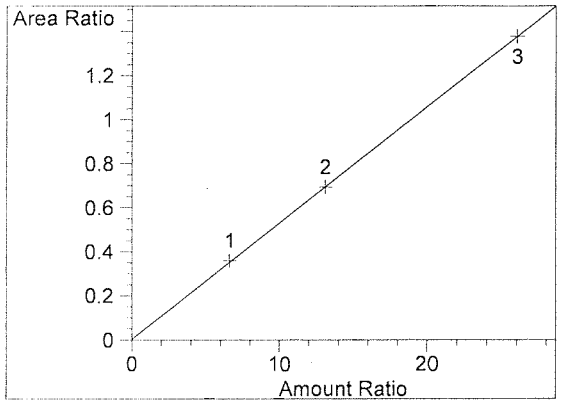
No Entries in table

EW

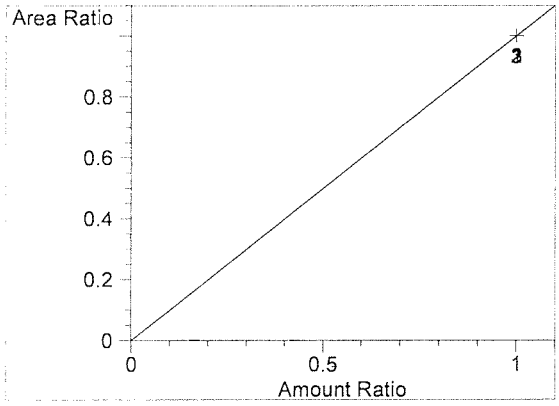
==========

Calibration Curves

==========



Ethanol at exp. RT: 1.036
FID1 A,
Correlation: 0.99998
Residual Std. Dev.: 0.00499
Formula: y = mx + b
m: 5.28465e-2
b: 3.49211e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.700
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

==========

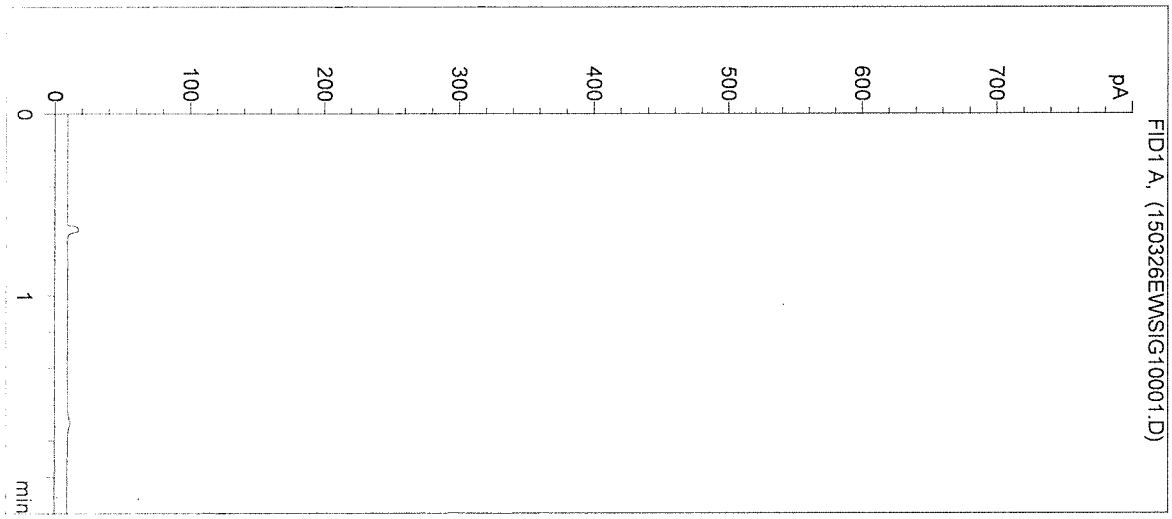
15023
tn 4/13/15

EW

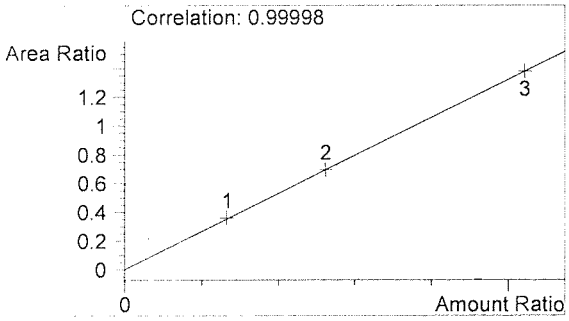
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/26/2015 9:50:56 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

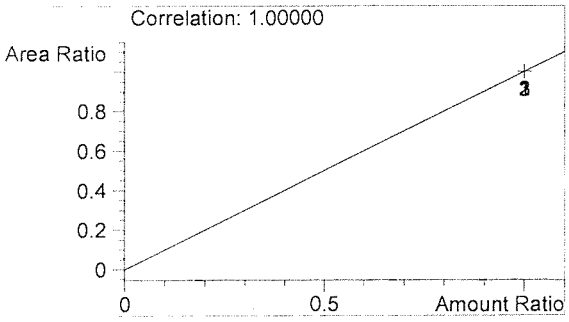
Sample Name: BLANK
Operator: Elizabeth Wehner
Location: Vial 1



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



Ethanol 0.000 g/100mL



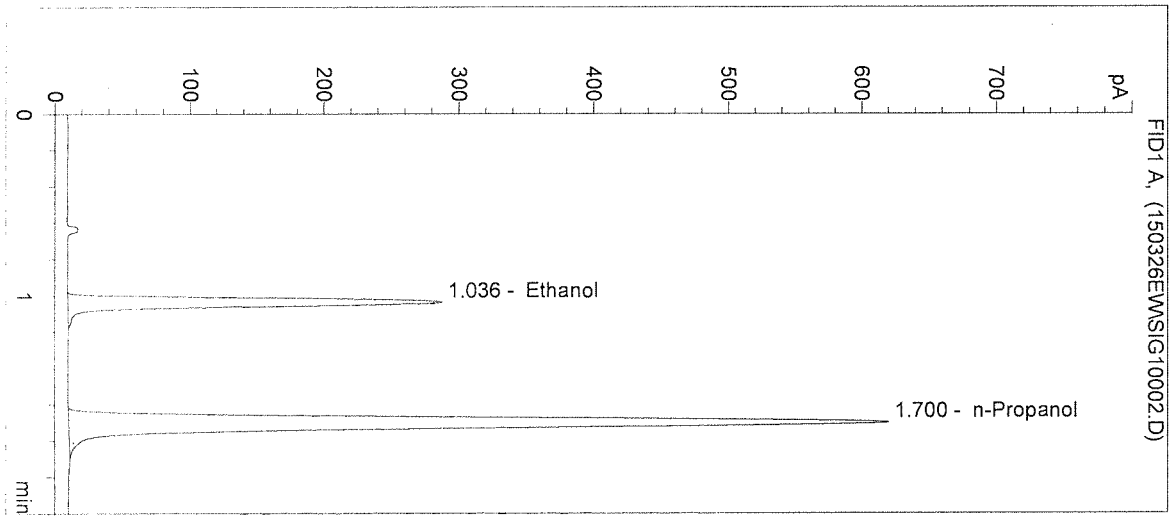
n-Propanol 0.000 g/100mL

EW

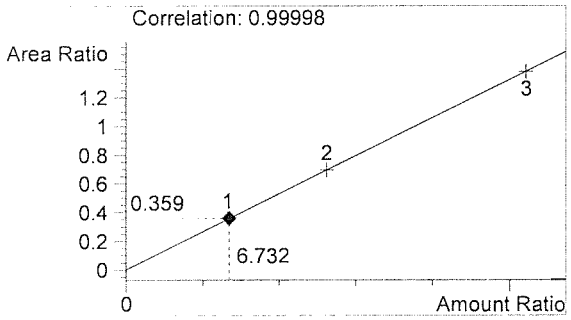
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/26/2015 9:54:13 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

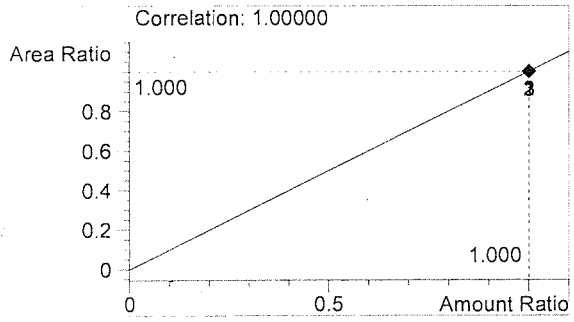
Sample Name: 0.079 CAL 1
Operator: Elizabeth Wehner
Location: Vial 2



#	Compound	Peak Area	RT (min)
1	Ethanol	859	1.036
2	n-Propanol	2392	1.700



Ethanol 0.081 g/100mL



n-Propanol 0.012 g/100mL

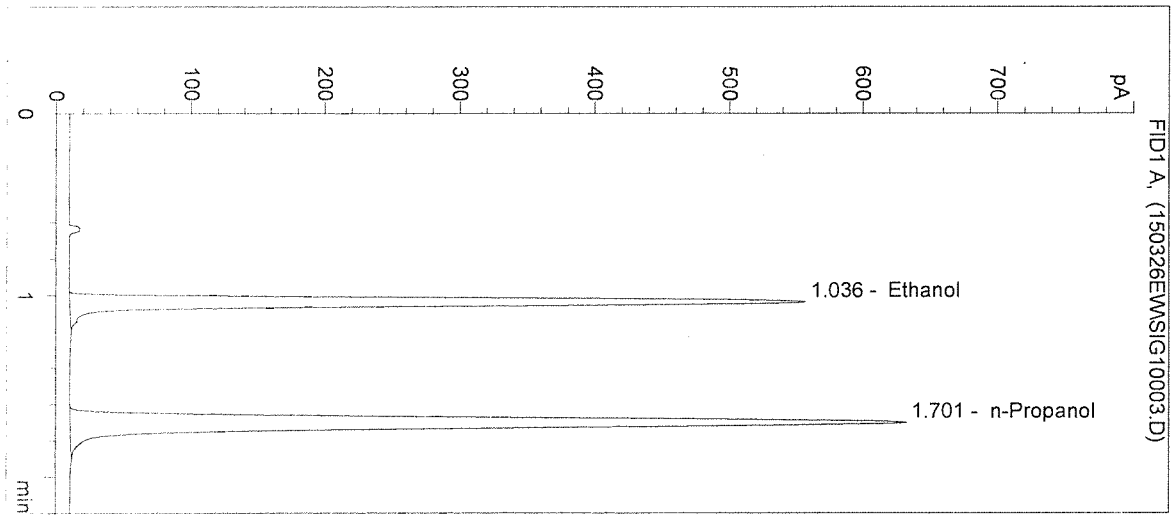
jr

EW

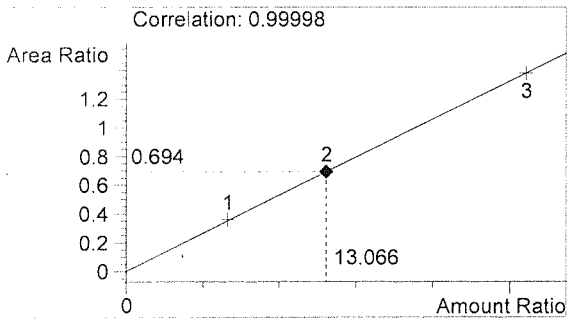
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/26/2015 9:57:30 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

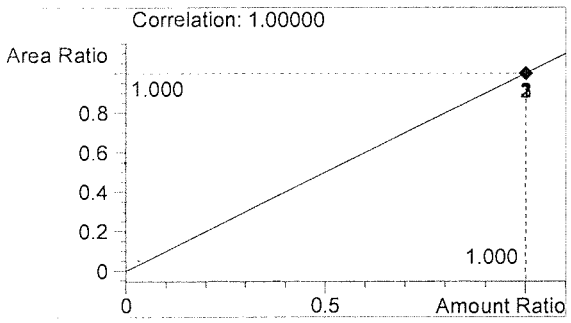
Sample Name: 0.158 CAL 2
Operator: Elizabeth Wehner
Location: Vial 3



#	Compound	Peak Area	RT (min)
1	Ethanol	1695	1.036
2	n-Propanol	2443	1.701



Ethanol 0.157 g/100mL



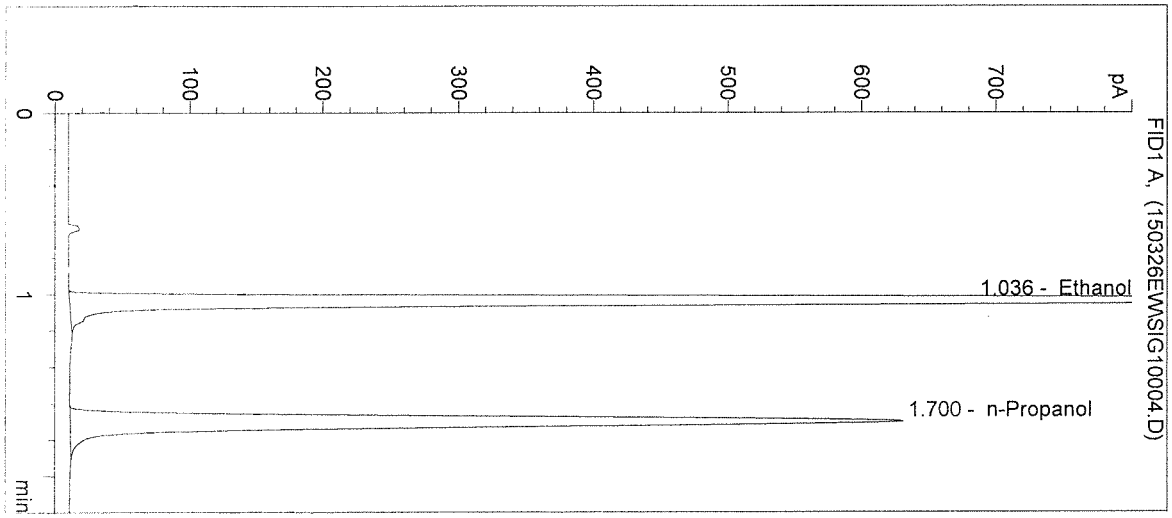
n-Propanol 0.012 g/100mL

EW

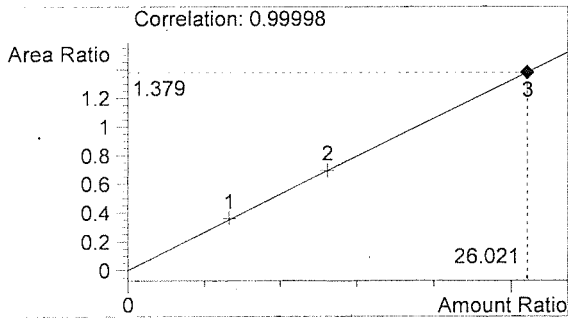
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/26/2015 10:00:47 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

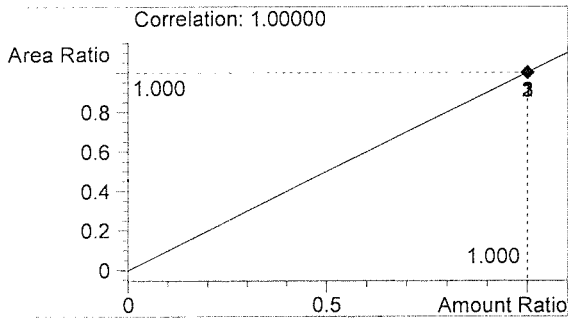
Sample Name: 0.316 CAL 3
Operator: Elizabeth Wehner
Location: Vial 4



#	Compound	Peak Area	RT (min)
1	Ethanol	3349	1.036
2	n-Propanol	2429	1.700



Ethanol 0.312 g/100mL



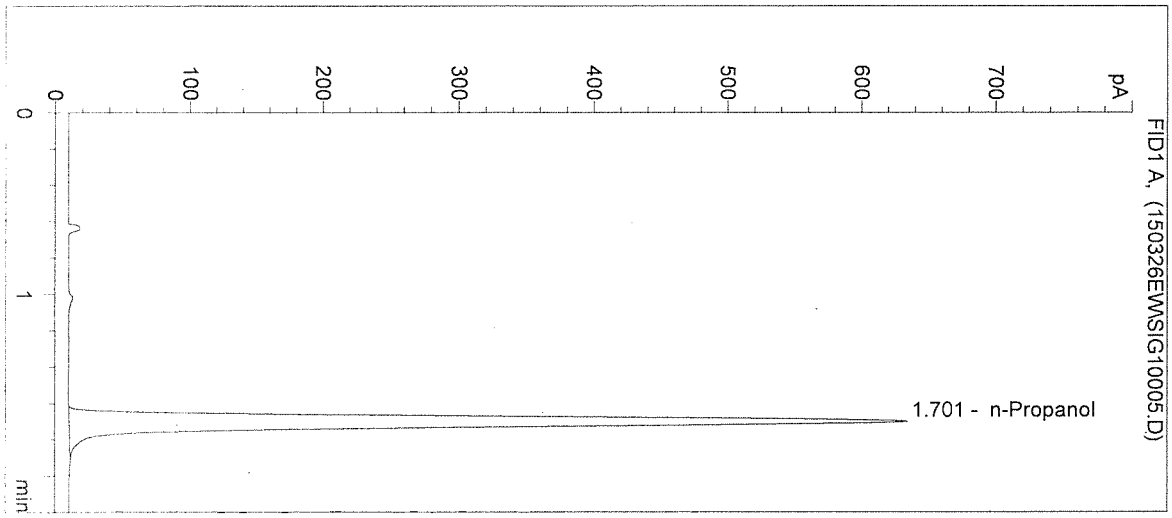
n-Propanol 0.012 g/100mL

EW

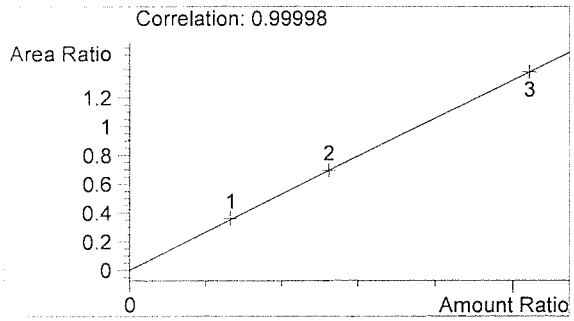
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/26/2015 10:04:00 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

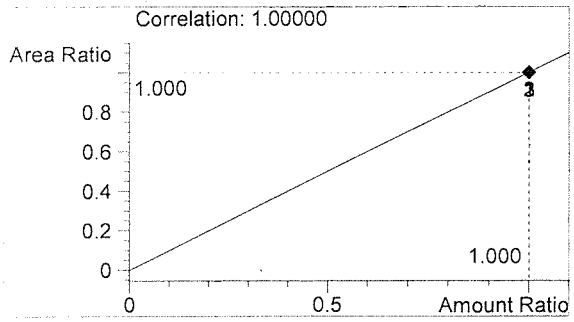
Sample Name: NEG CTRL
Operator: Elizabeth Wehner
Location: Vial 5



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2441	1.701



Ethanol 0.000 g/100mL



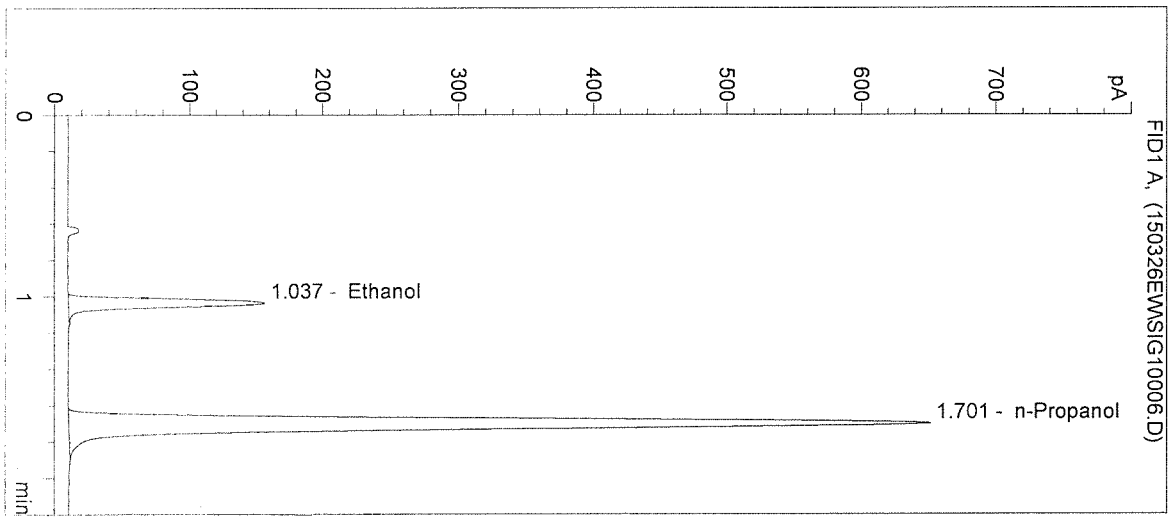
n-Propanol 0.012 g/100mL

EW

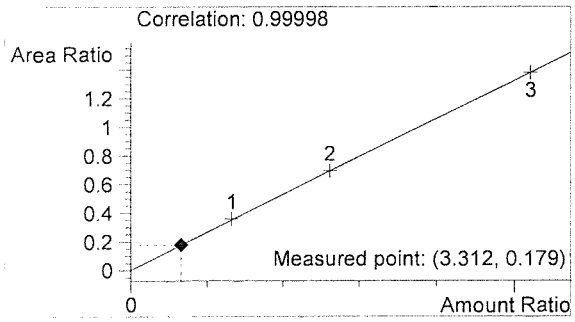
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/26/2015 10:07:12 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

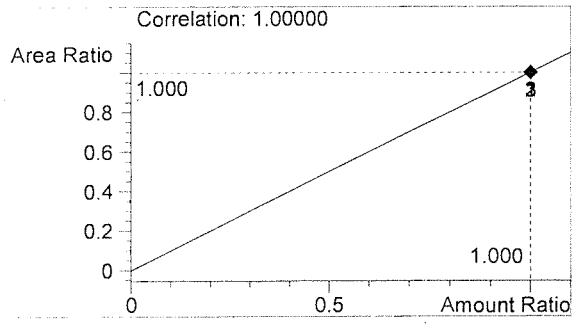
Sample Name: 0.04 CTRL
Operator: Elizabeth Wehner
Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	448	1.037
2	n-Propanol	2507	1.701



Ethanol 0.040 g/100mL



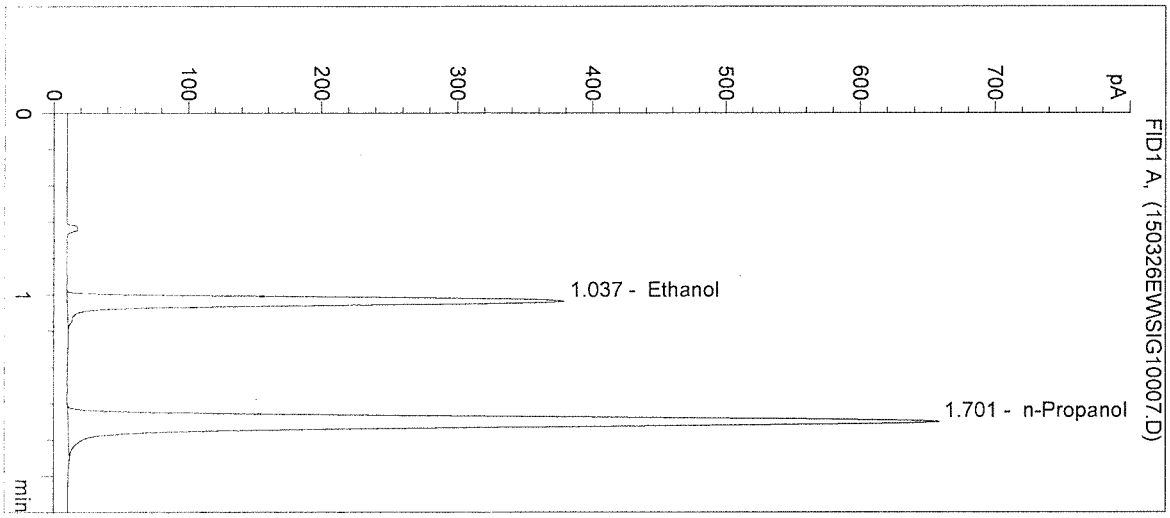
n-Propanol 0.012 g/100mL

EW

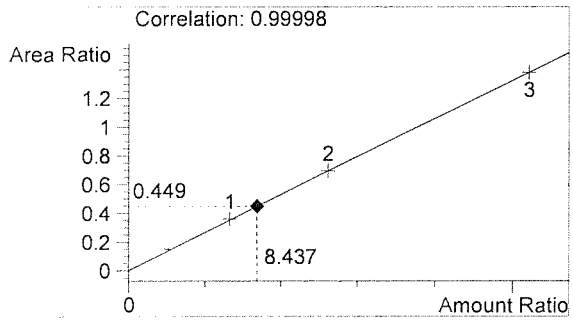
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/26/2015 10:10:25 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

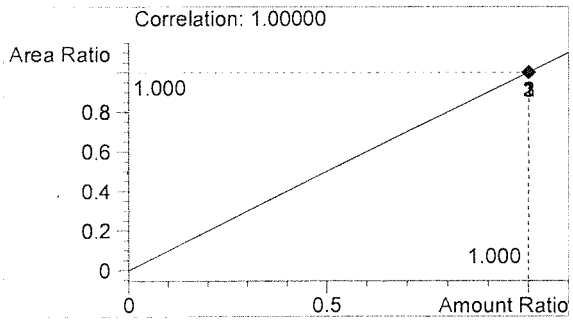
Sample Name: 0.10 CTRL
Operator: Elizabeth Wehner
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	1139	1.037
2	n-Propanol	2535	1.701



Ethanol 0.101 g/100mL



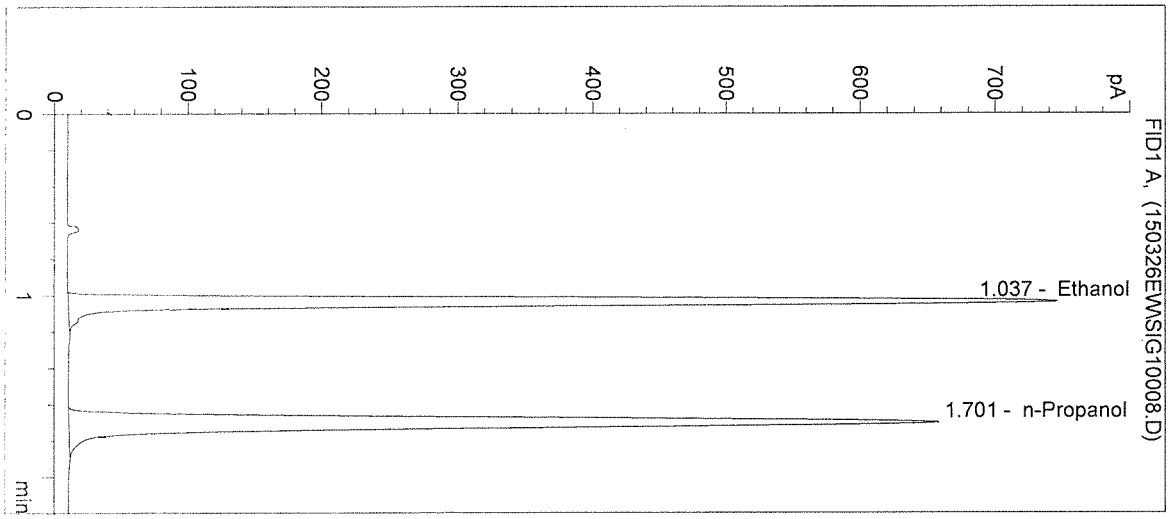
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\150326EW\SIG10007.D

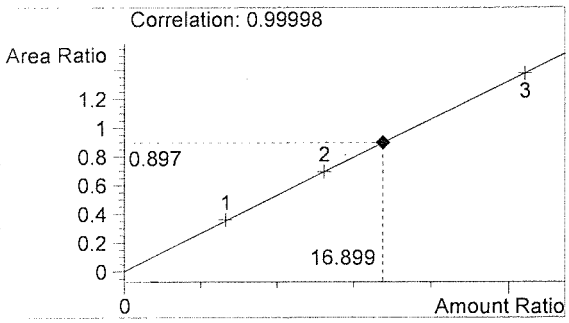
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/26/2015 10:13:39 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

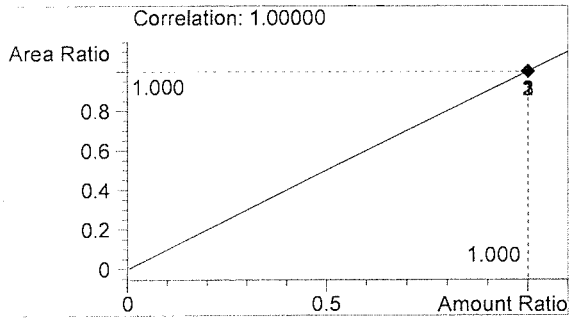
Sample Name: 0.20 CTRL
Operator: Elizabeth Wehner
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	2270	1.037
2	n-Propanol	2532	1.701



Ethanol 0.203 g/100mL



n-Propanol 0.012 g/100mL

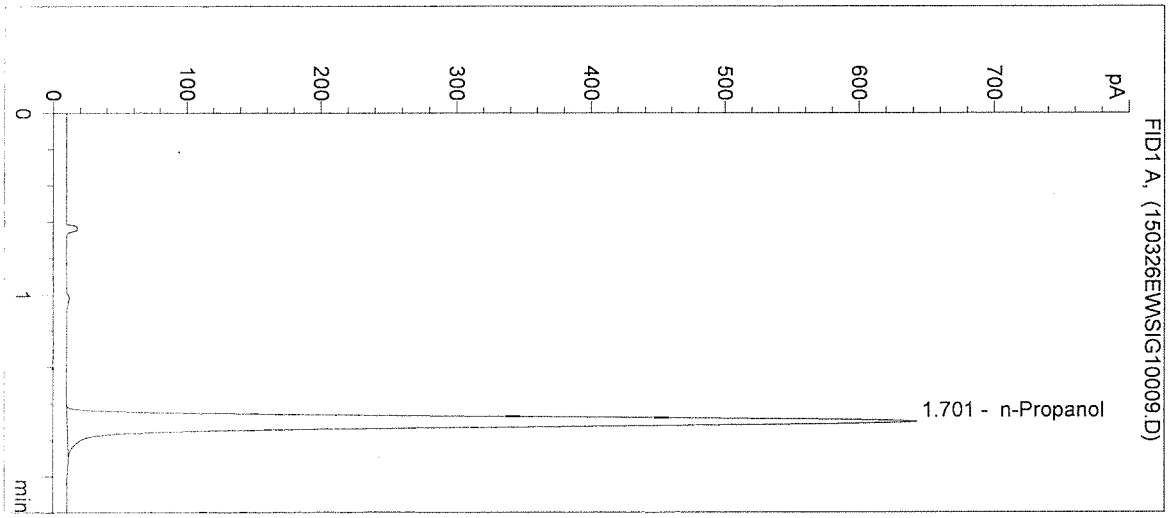
fw

EW

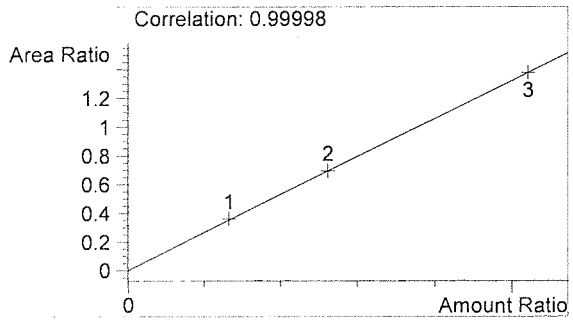
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/26/2015 10:16:52 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

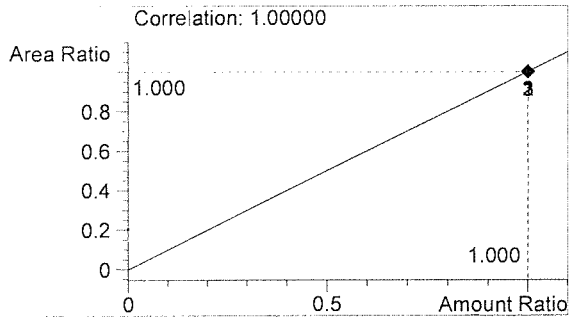
Sample Name: NEG CTRL
Operator: Elizabeth Wehner
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2477	1.701



Ethanol 0.000 g/100mL



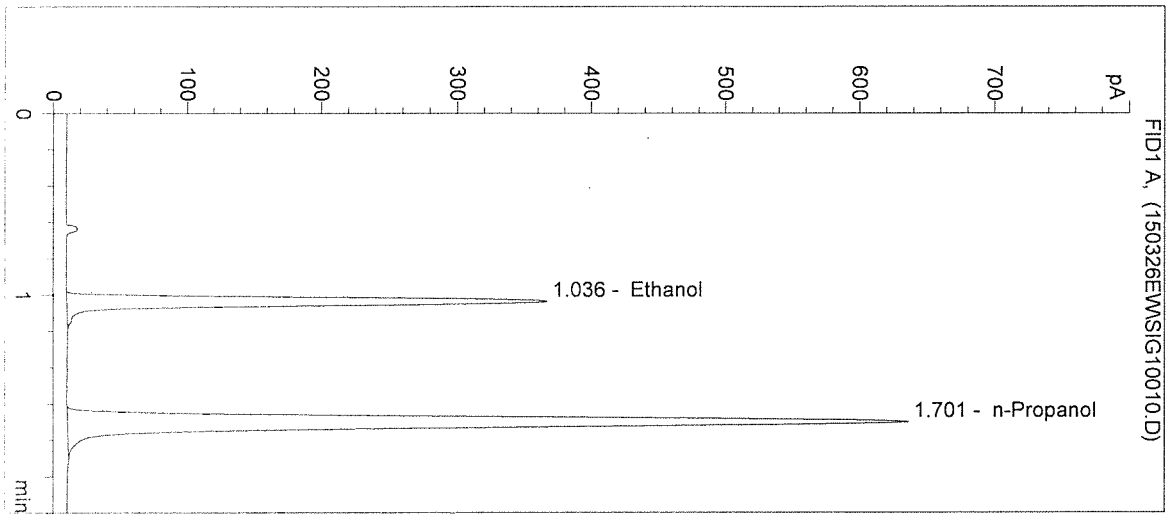
n-Propanol 0.012 g/100mL

EW

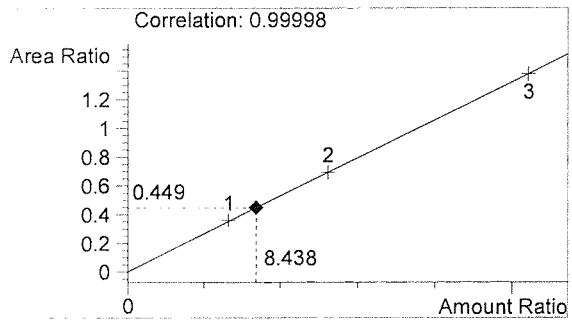
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/26/2015 10:20:05 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

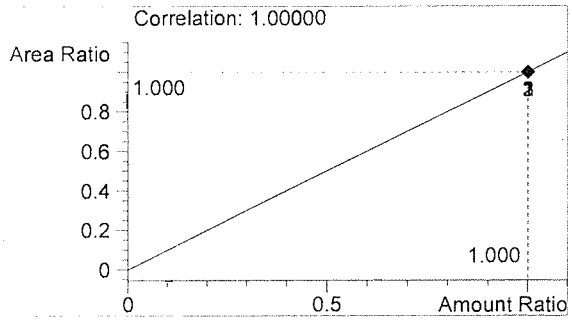
Sample Name: 15023-1
Operator: Elizabeth Wehner
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	1101	1.036
2	n-Propanol	2449	1.701



Ethanol 0.101 g/100mL



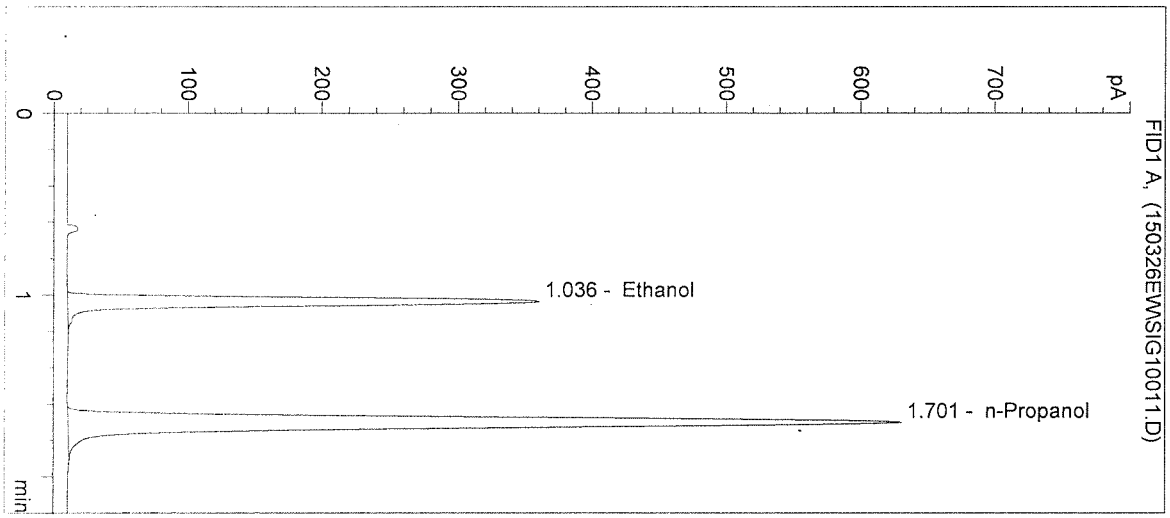
n-Propanol 0.012 g/100mL

EW

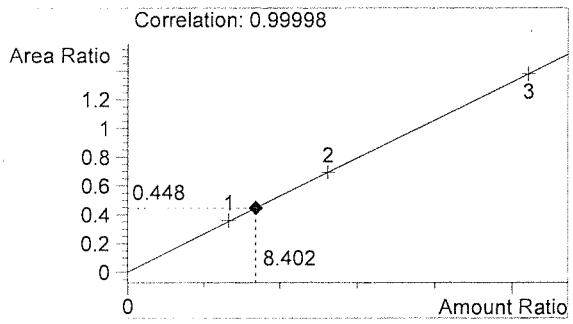
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/26/2015 10:23:18 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

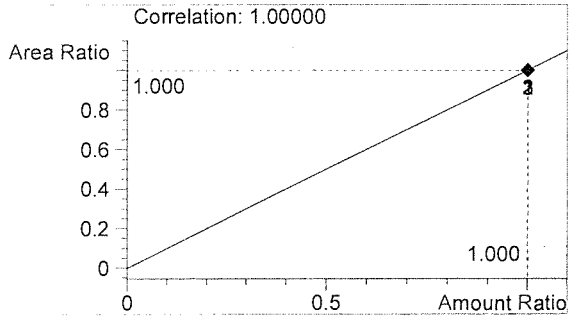
Sample Name: 15023-2
Operator: Elizabeth Wehner
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	1091	1.036
2	n-Propanol	2437	1.701



Ethanol 0.101 g/100mL

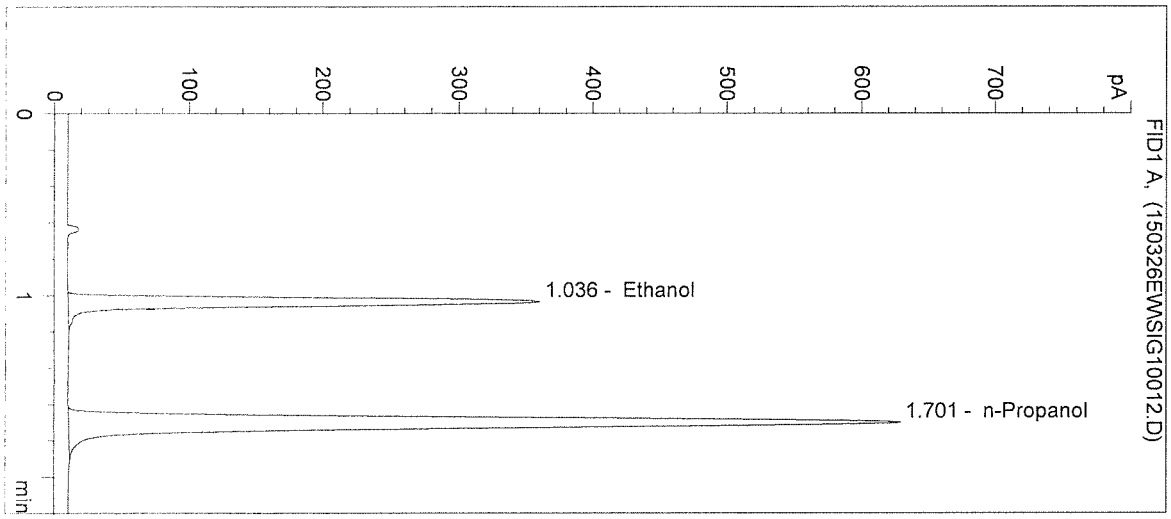


n-Propanol 0.012 g/100mL

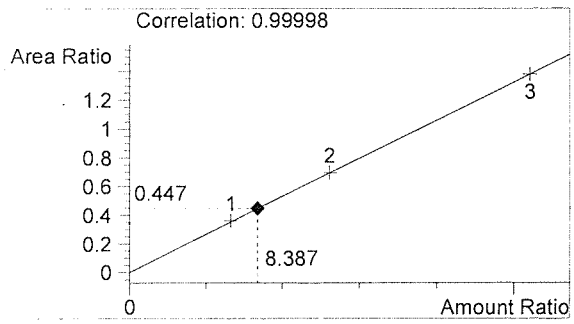
EW

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

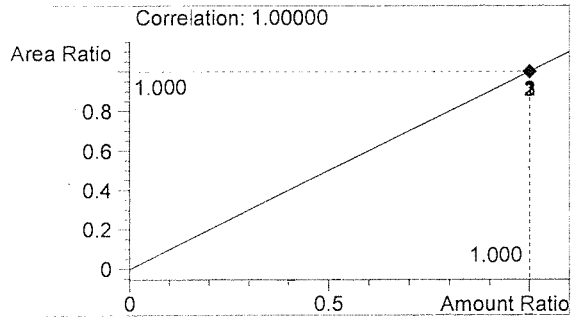
Inj. Date: 3/26/2015 10:26:32 AM
Sample Name: 15023-3
Instrument: HSGC#1
Operator: Elizabeth Wehner
Column: DB-ALC1
Location: Vial 12
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1087	1.036
2	n-Propanol	2434	1.701



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

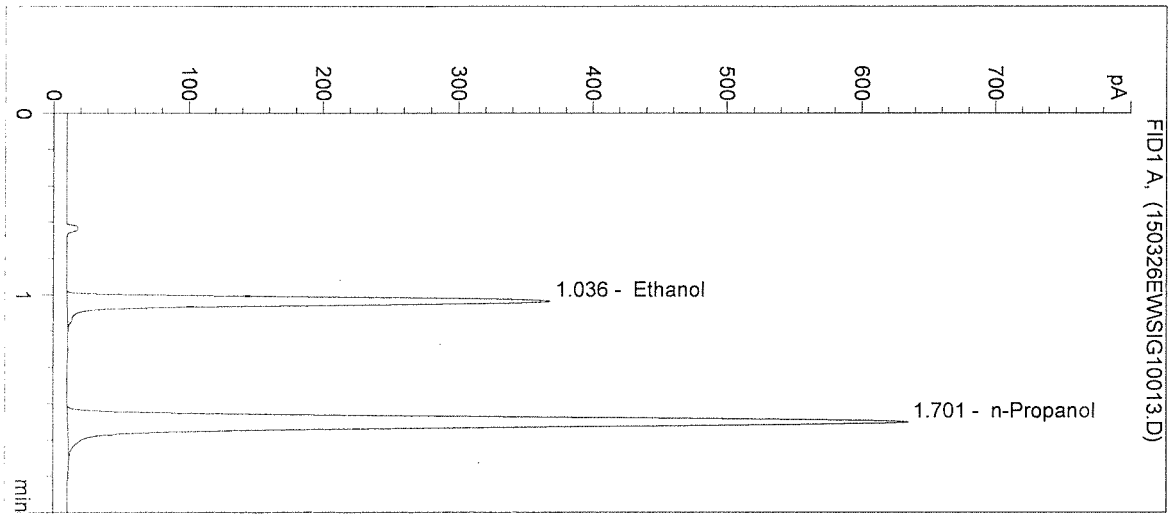
Data File: C:\HPCHEM\1\DATA\150326EW\SIG10012.D

EW

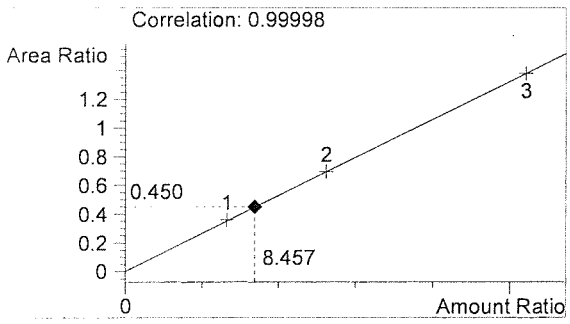
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/26/2015 10:29:45 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

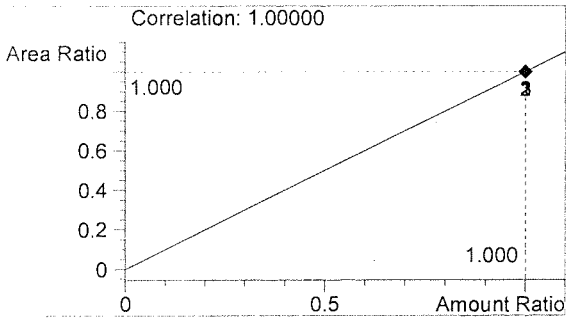
Sample Name: 15023-4
Operator: Elizabeth Wehner
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	1100	1.036
2	n-Propanol	2442	1.701



Ethanol 0.101 g/100mL



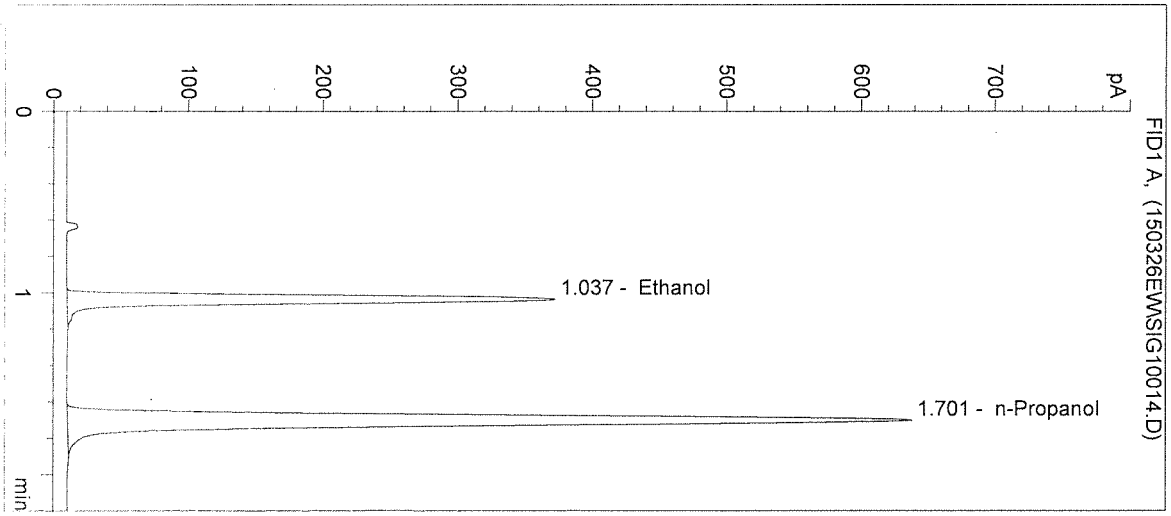
n-Propanol 0.012 g/100mL

EW

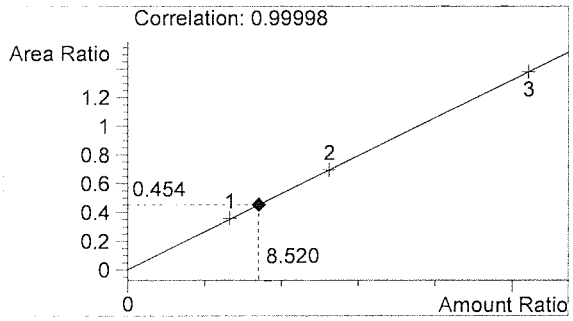
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/26/2015 10:32:58 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

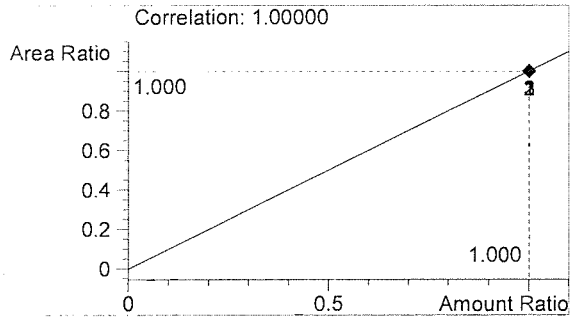
Sample Name: 15023-5
Operator: Elizabeth Wehner
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	1113	1.037
2	n-Propanol	2454	1.701



Ethanol 0.102 g/100mL



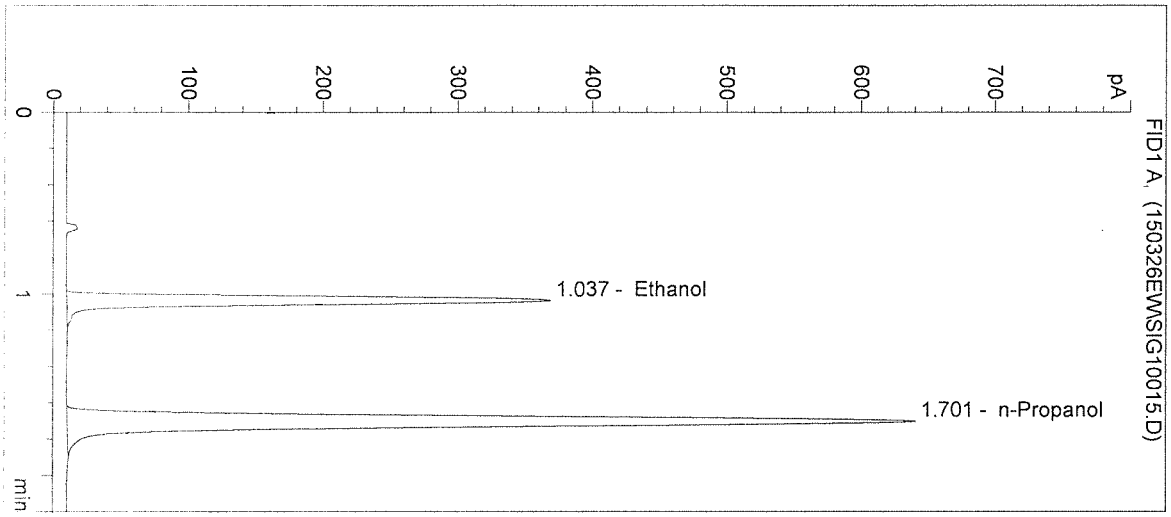
n-Propanol 0.012 g/100mL

EW

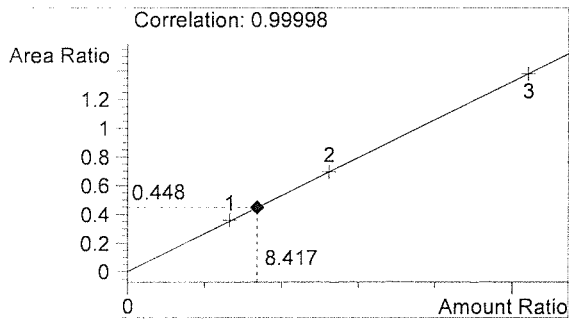
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/26/2015 10:36:11 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

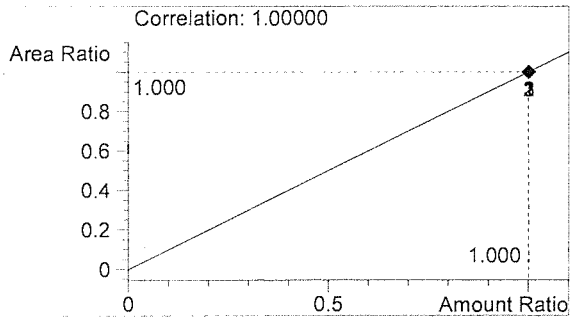
Sample Name: 0.10 CTRL
Operator: Elizabeth Wehner
Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	1106	1.037
2	n-Propanol	2466	1.701



Ethanol 0.101 g/100mL



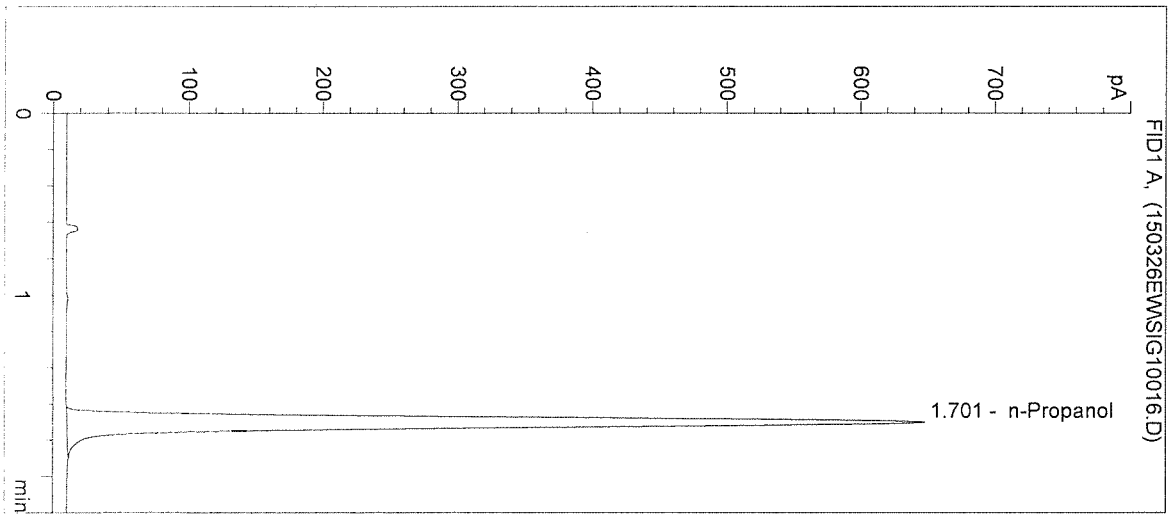
n-Propanol 0.012 g/100mL

EW

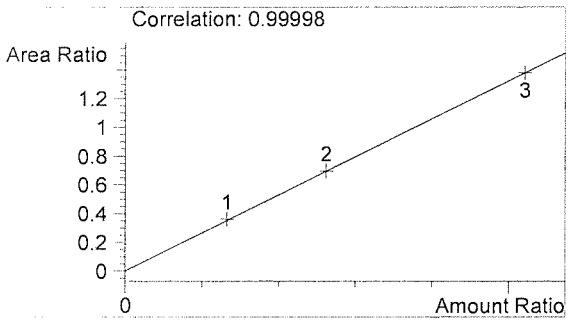
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/26/2015 10:39:25 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

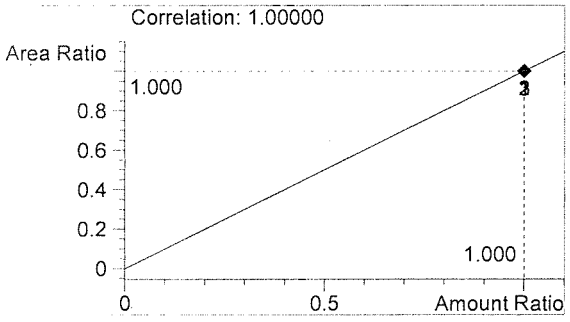
Sample Name: NEG CTRL
Operator: Elizabeth Wehner
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2493	1.701



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

EW

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:	150331CM
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:

Ethanol Calibrator 1, E0315-01 - Exp. 09/13/2015
Ethanol Calibrator 2, E0315-02 - Exp. 09/13/2015
Ethanol Calibrator 3, E0315-03 - Exp. 09/13/2015

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#P0115 - Exp. 04/27/2015

Calibration vials 1-9 filed with 15023.

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	15023-1	SIMALC1	1	Sample		
11	Vial 11	15023-2	SIMALC1	1	Sample		
12	Vial 12	15023-3	SIMALC1	1	Sample		
13	Vial 13	15023-4	SIMALC1	1	Sample		
14	Vial 14	15023-5	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	15024-1	SIMALC1	1	Sample		
18	Vial 18	15024-2	SIMALC1	1	Sample		
19	Vial 19	15024-3	SIMALC1	1	Sample		
20	Vial 20	15024-4	SIMALC1	1	Sample		
21	Vial 21	15024-5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		

15023
Thu 4/12/15

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

15023

Jm 4/13/15

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

Calibration Table

Calib. Data Modified : Tuesday, March 31, 2015 11:24:33 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]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.036	1	1	7.94500e-2	905.95416	8.76976e-5	1		Ethanol
		2	1.57190e-1	1705.30908	9.21768e-5			
		3	3.12390e-1	3399.94019	9.18810e-5			
1.700	1	1	1.20000e-2	2536.60791	4.73073e-6	I1		n-Propanol
		2	1.20000e-2	2450.10449	4.89775e-6			
		3	1.20000e-2	2466.66113	4.86488e-6			

Peak Sum Table

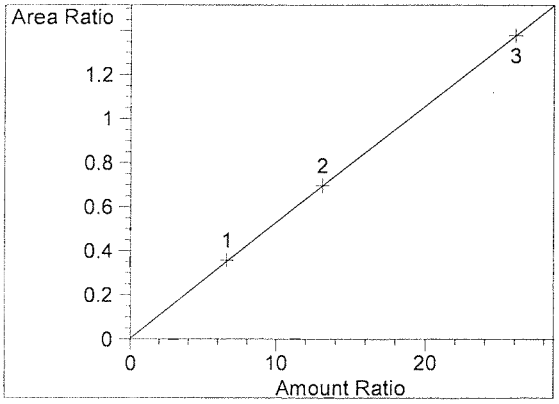
No Entries in table

15023
4/13/15

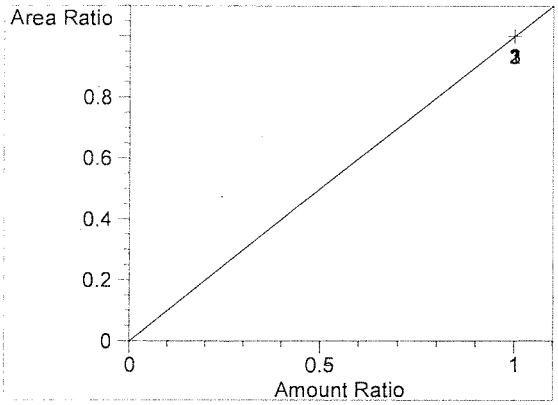
==========

Calibration Curves

==========



Ethanol at exp. RT: 1.036
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00367
Formula: y = mx + b
m: 5.28726e-2
b: 3.11722e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.700
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

==========

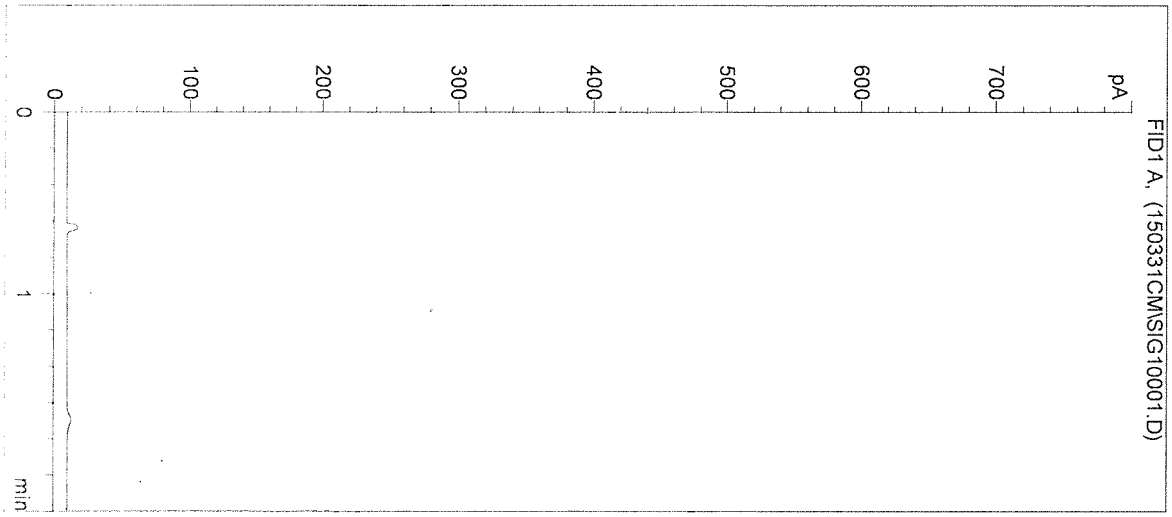
15023
4/13/15

15033 2/23/16

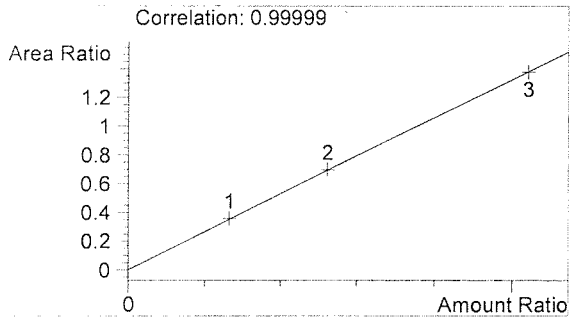
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/31/2015 11:12:28 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

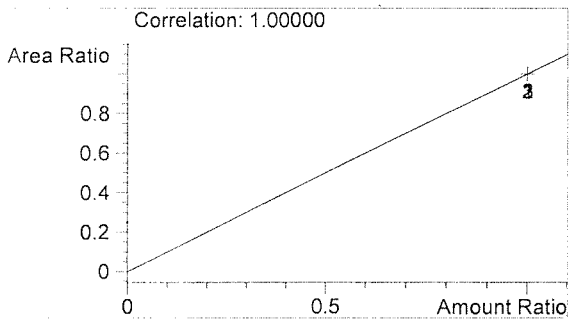
Sample Name: BLANK
Operator: Christie Mitchell-Mata
Location: Vial 1



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



Ethanol 0.000 g/100mL



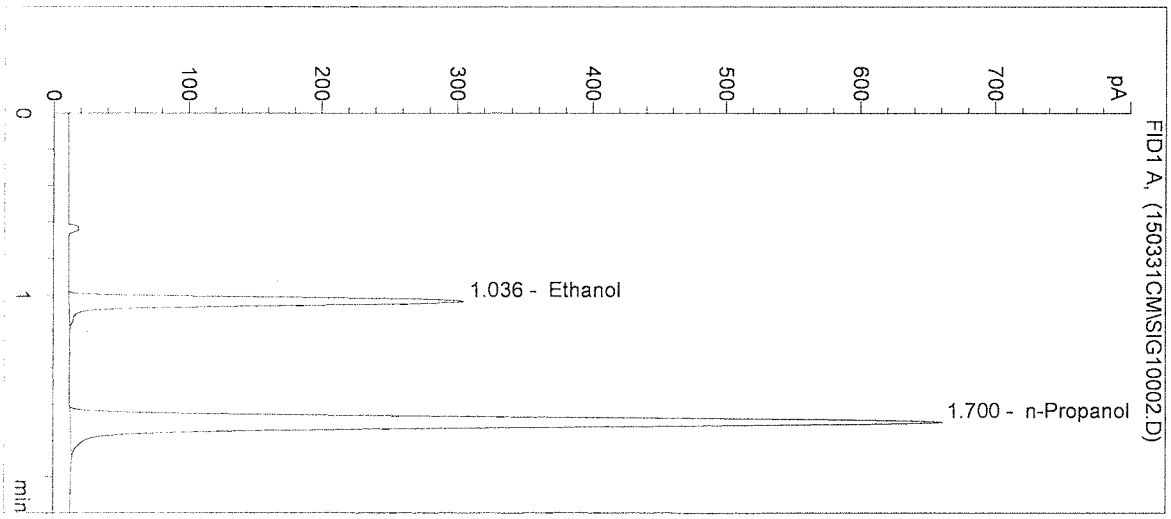
n-Propanol 0.000 g/100mL

Data File: C:\HPCHEM\1\DATA\150331CM\SIG10001.D

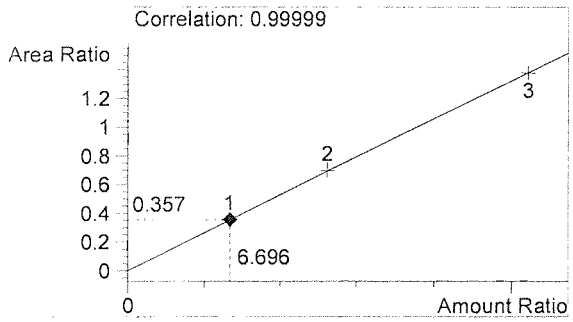
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/31/2015 11:15:45 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

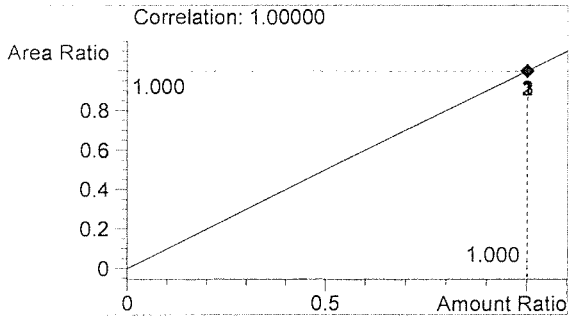
Sample Name: 0.079 CAL 1
Operator: Christie Mitchell-Mata
Location: Vial 2



#	Compound	Peak Area	RT (min)
1	Ethanol	906	1.036
2	n-Propanol	2537	1.700



Ethanol 0.080 g/100mL

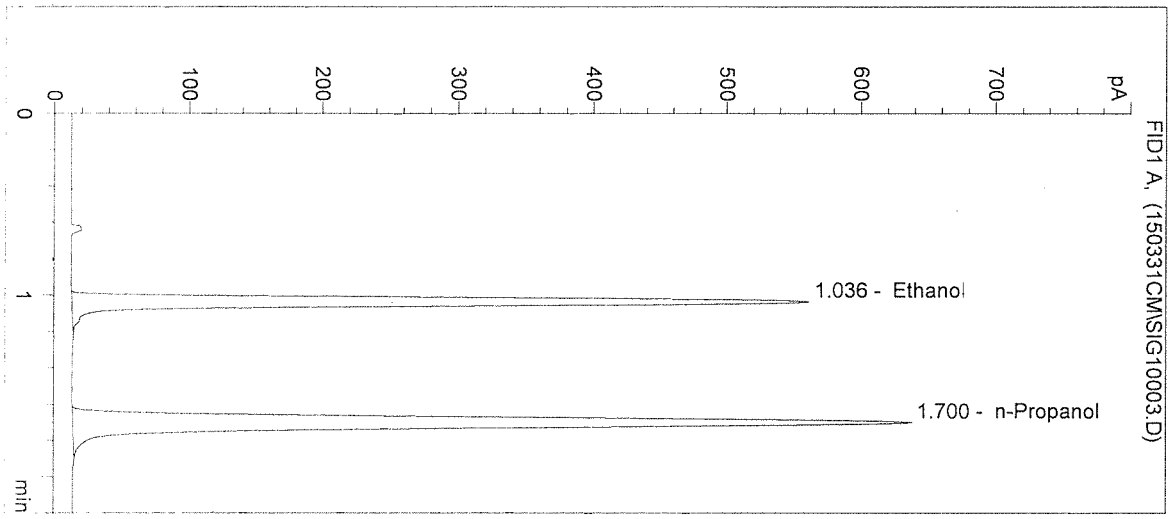


n-Propanol 0.012 g/100mL

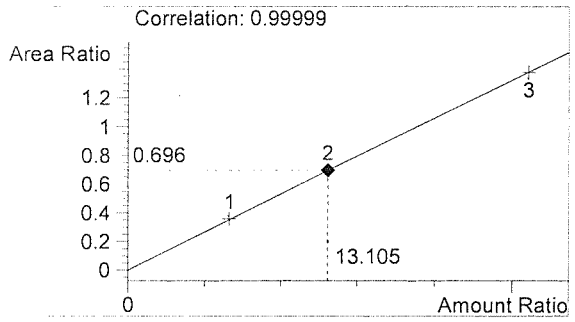
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/31/2015 11:19:02 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

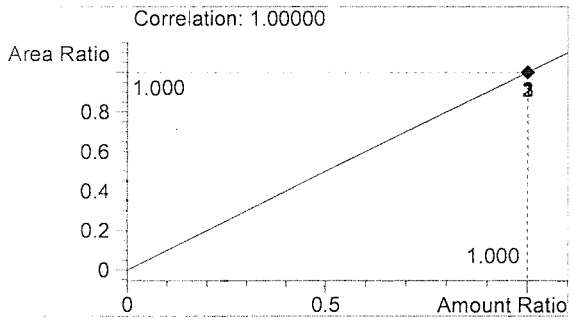
Sample Name: 0.158 CAL 2
Operator: Christie Mitchell-Mata
Location: Vial 3



#	Compound	Peak Area	RT (min)
1	Ethanol	1705	1.036
2	n-Propanol	2450	1.700



Ethanol 0.157 g/100mL



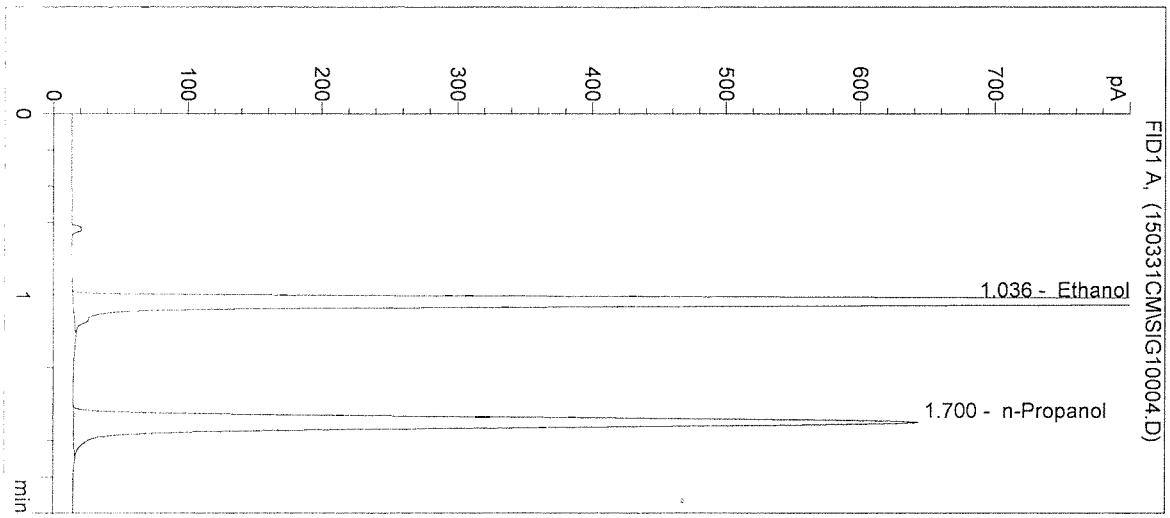
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\150331CM\SIG10003.D

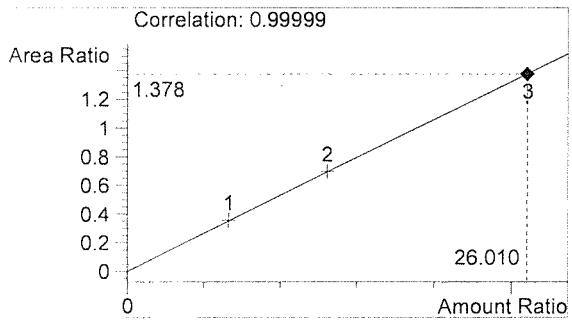
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/31/2015 11:22:20 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

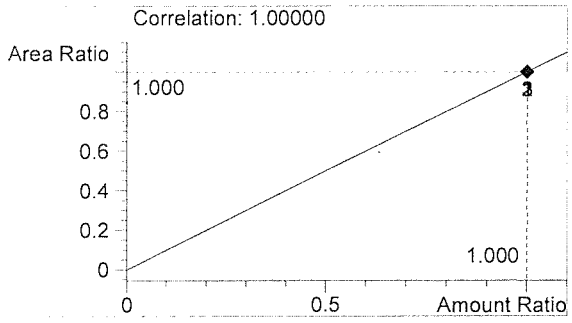
Sample Name: 0.316 CAL 3
Operator: Christie Mitchell-Mata
Location: Vial 4



#	Compound	Peak Area	RT (min)
1	Ethanol	3400	1.036
2	n-Propanol	2467	1.700



Ethanol 0.312 g/100mL

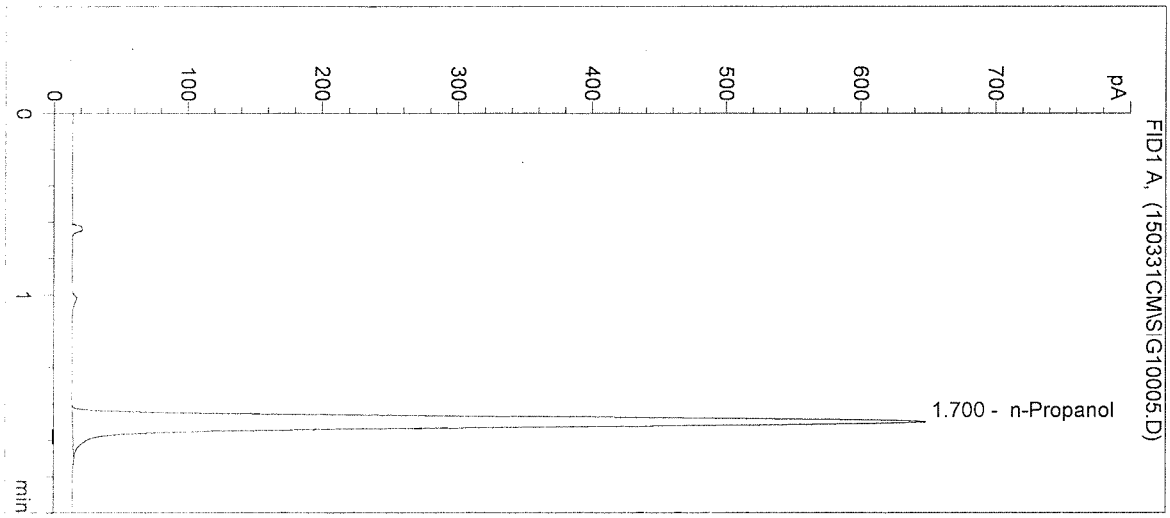


n-Propanol 0.012 g/100mL

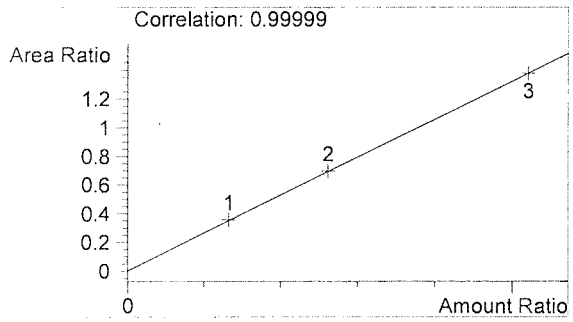
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/31/2015 11:25:33 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

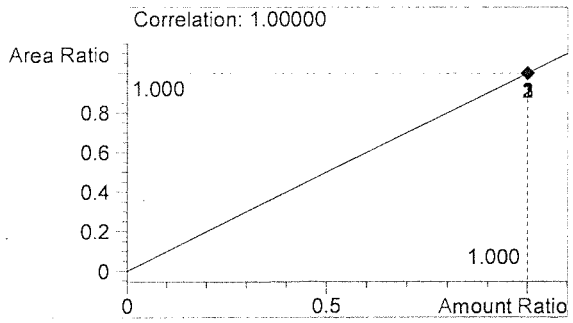
Sample Name: NEG CTRL
Operator: Christie Mitchell-Mata
Location: Vial 5



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2502	1.700



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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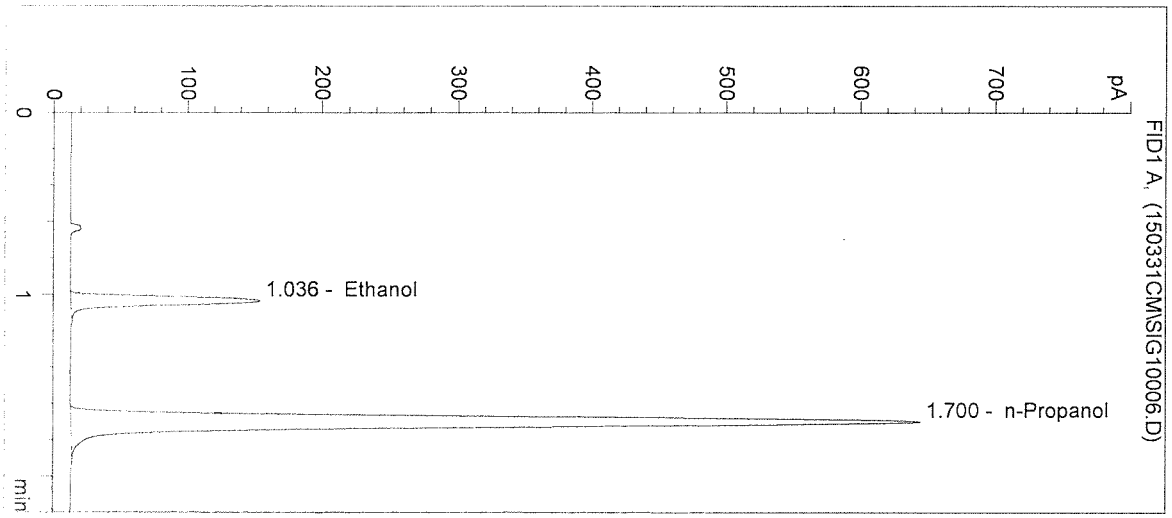
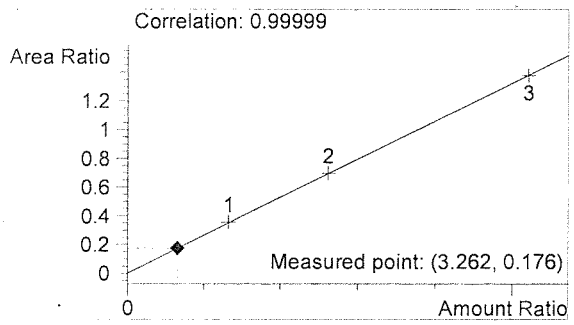
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/31/2015 11:28:46 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

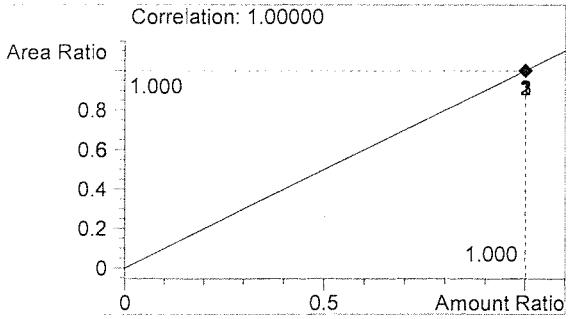
Sample Name: 0.04 CTRL
Operator: Christie Mitchell-Mata
Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	437	1.036
2	n-Propanol	2487	1.700



Ethanol 0.039 g/100mL

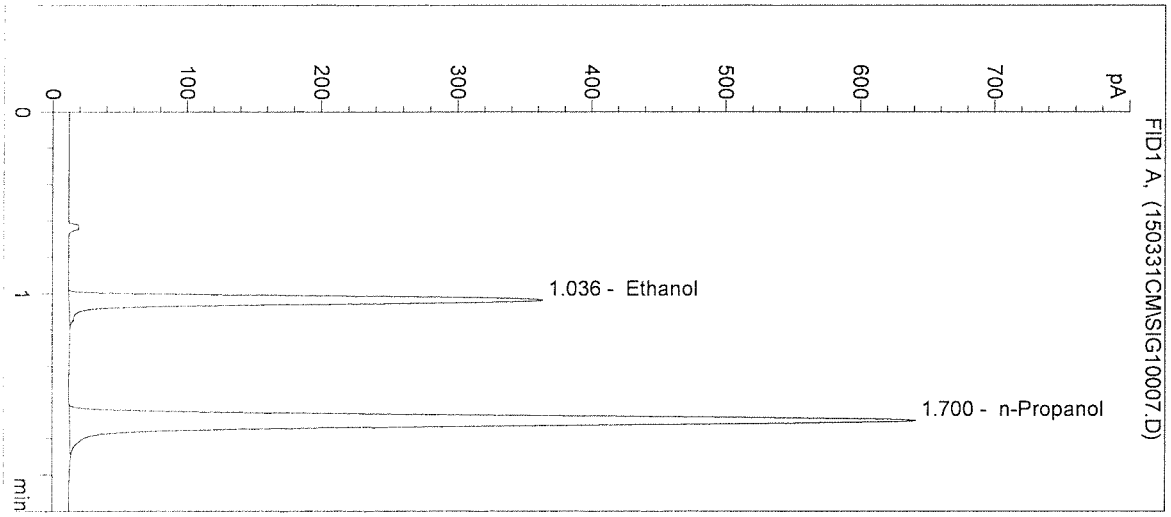


n-Propanol 0.012 g/100mL

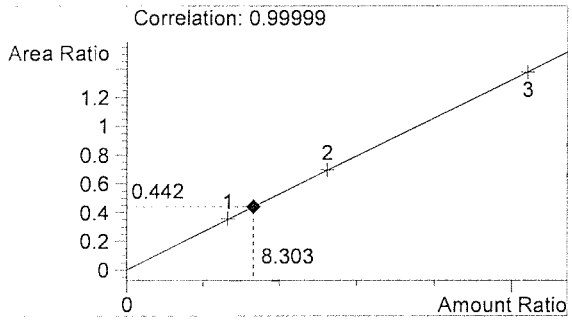
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/31/2015 11:31:59 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

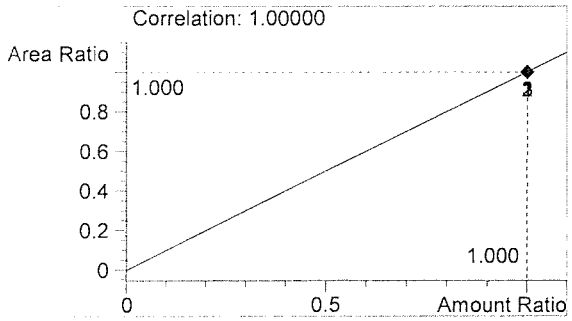
Sample Name: 0.10 CTRL
Operator: Christie Mitchell-Mata
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	1091	1.036
2	n-Propanol	2468	1.700



Ethanol 0.100 g/100mL

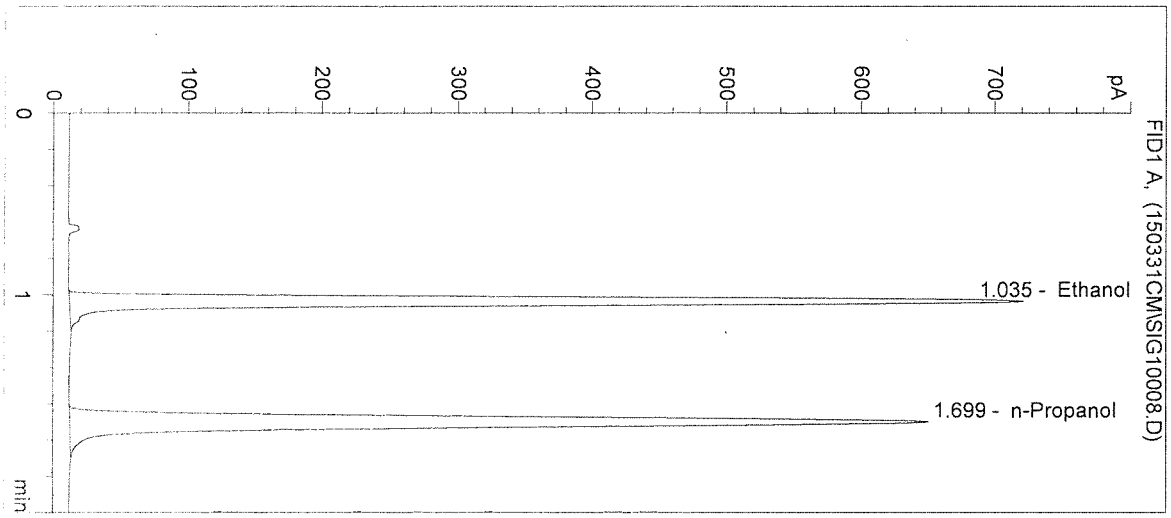


n-Propanol 0.012 g/100mL

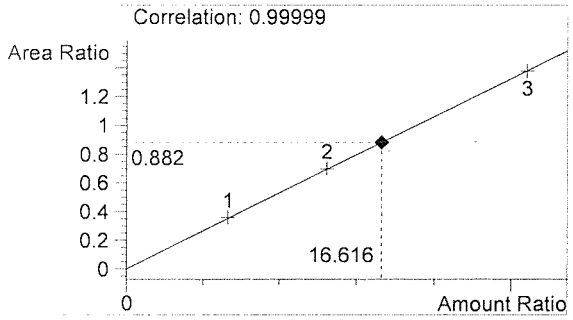
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/31/2015 11:35:13 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

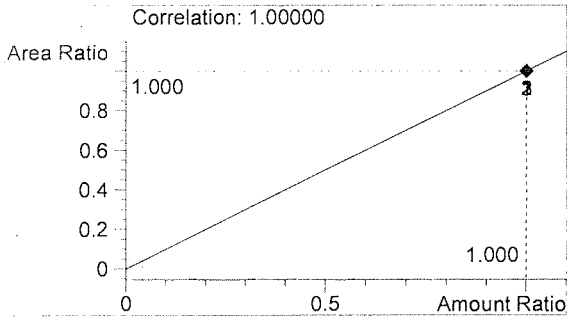
Sample Name: 0.20 CTRL
Operator: Christie Mitchell-Mata
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	2213	1.035
2	n-Propanol	2510	1.699



Ethanol 0.199 g/100mL

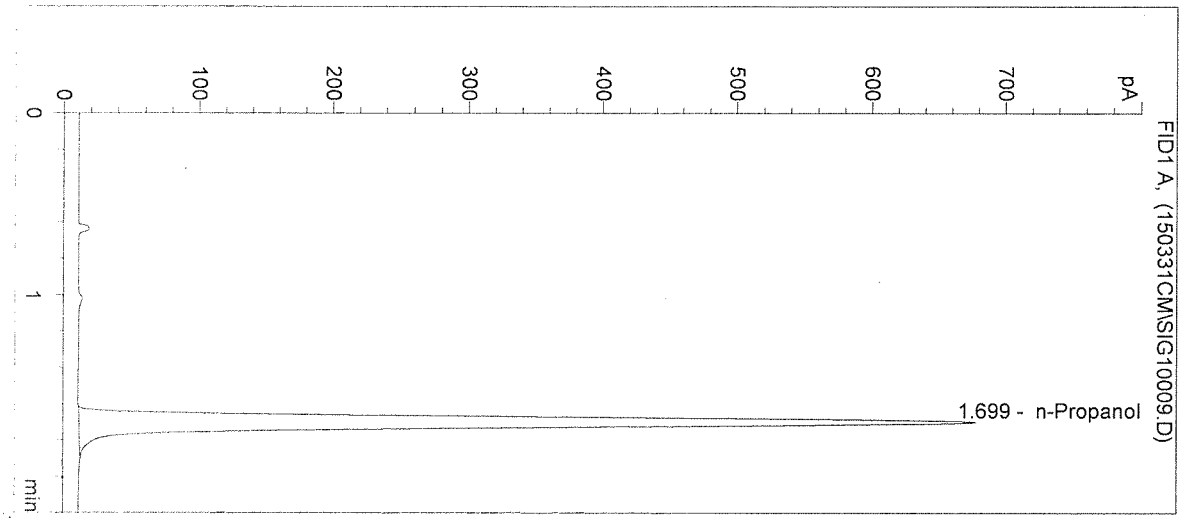


n-Propanol 0.012 g/100mL

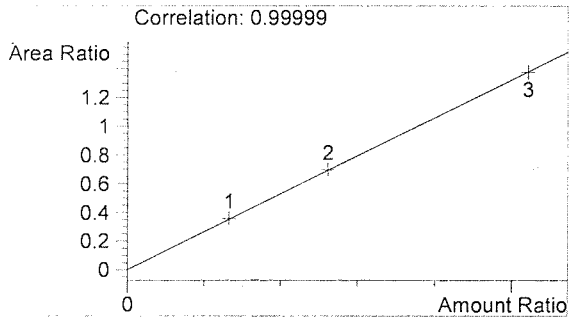
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/31/2015 11:38:26 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

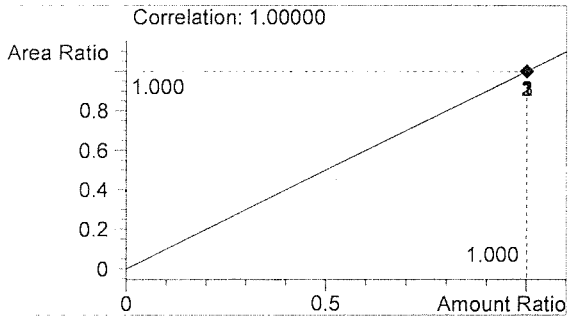
Sample Name: NEG CTRL
Operator: Christie Mitchell-Mata
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2617	1.699



Ethanol 0.000 g/100mL

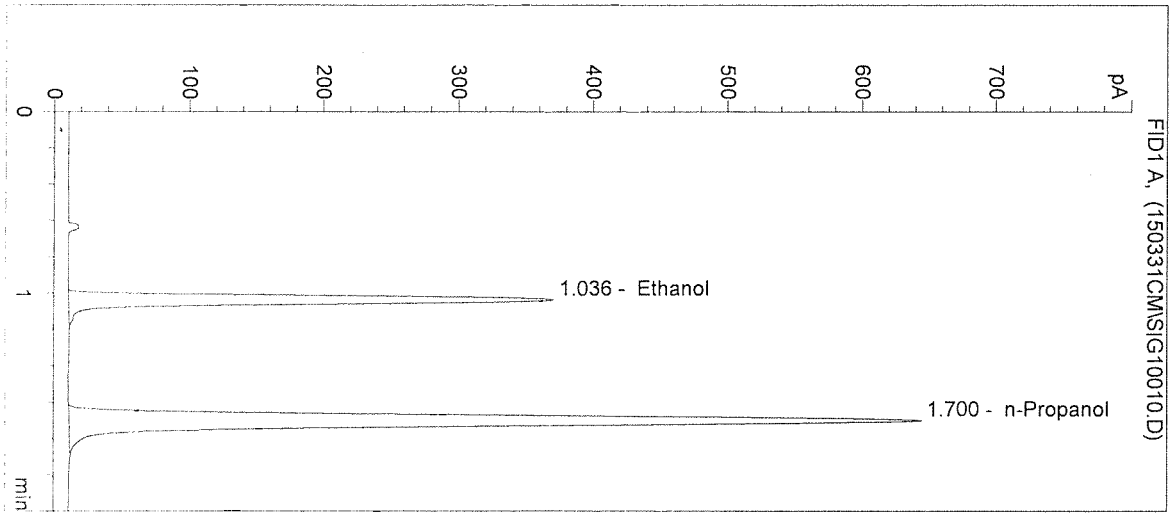


n-Propanol 0.012 g/100mL

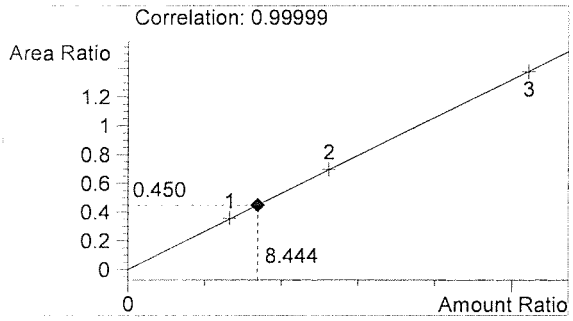
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/31/2015 11:41:39 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

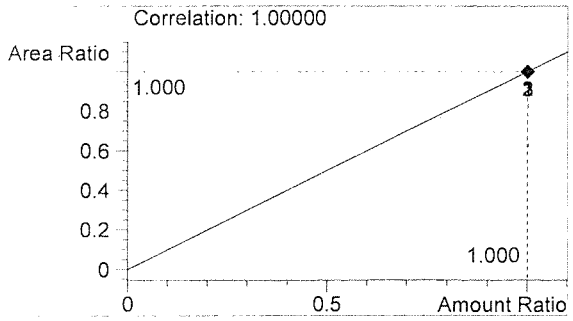
Sample Name: 15023-1
Operator: Christie Mitchell-Mata
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	1120	1.036
2	n-Propanol	2491	1.700



Ethanol 0.101 g/100mL

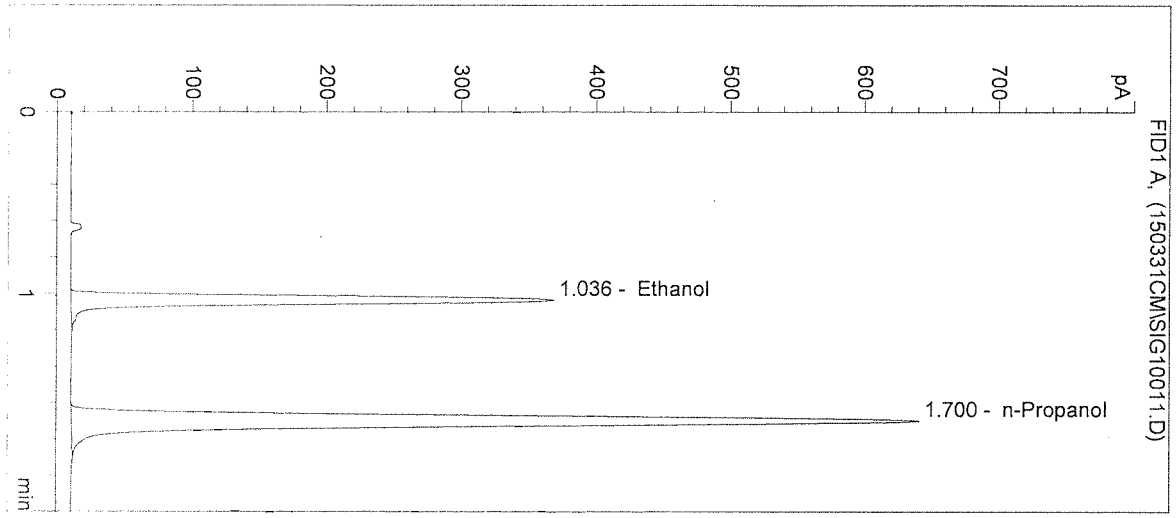


n-Propanol 0.012 g/100mL

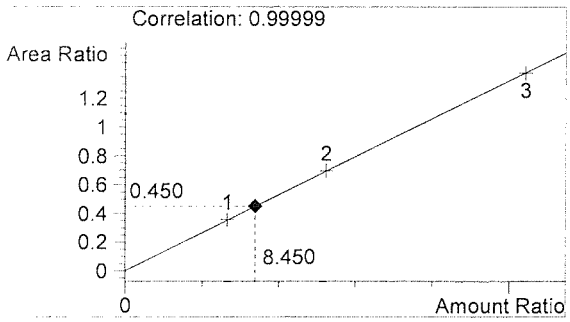
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/31/2015 11:44:52 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

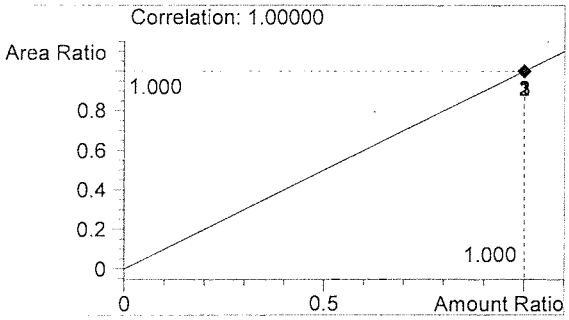
Sample Name: 15023-2
Operator: Christie Mitchell-Mata
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	1113	1.036
2	n-Propanol	2474	1.700



Ethanol 0.101 g/100mL

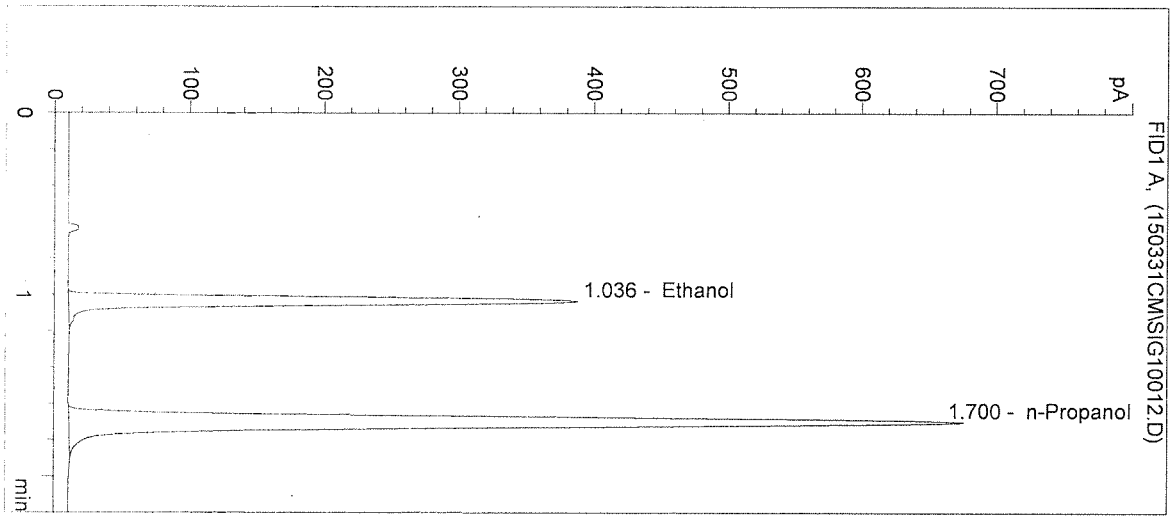


n-Propanol 0.012 g/100mL

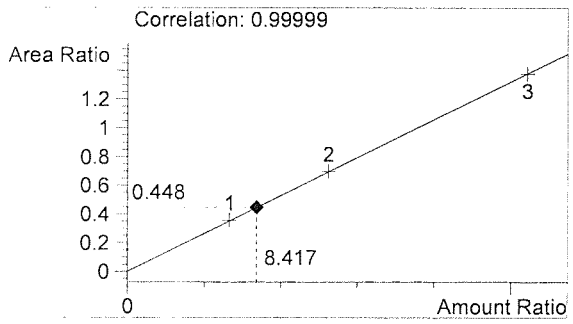
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/31/2015 11:48:05 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

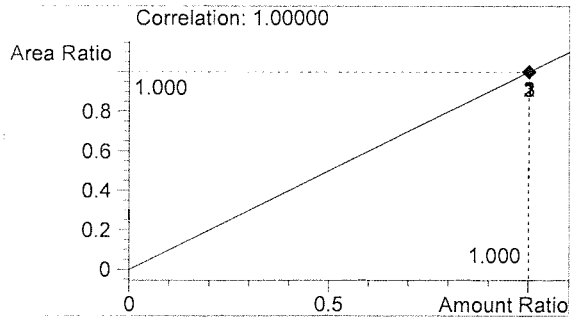
Sample Name: 15023-3
Operator: Christie Mitchell-Mata
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	1166	1.036
2	n-Propanol	2602	1.700



Ethanol 0.101 g/100mL

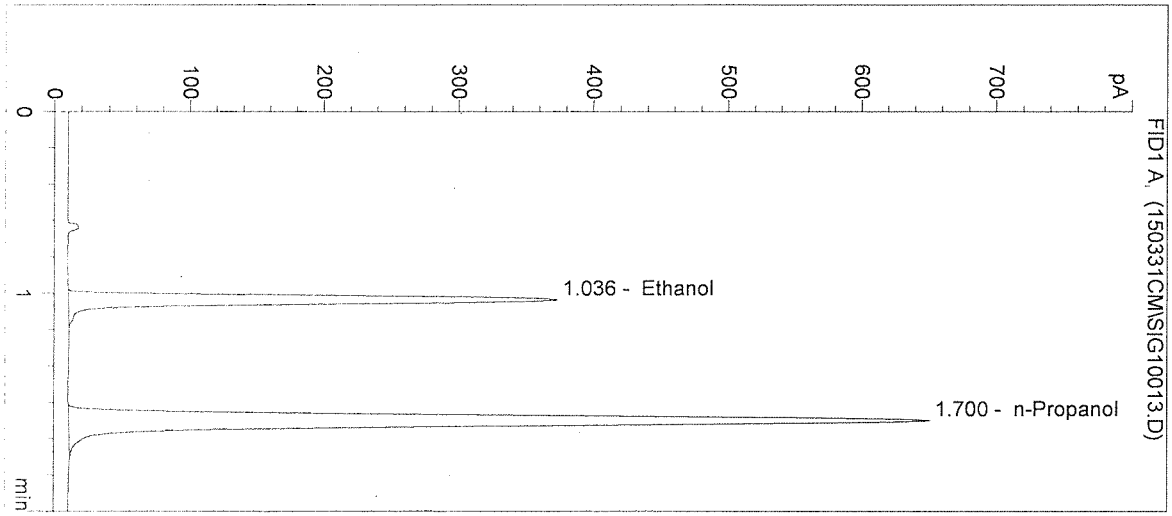


n-Propanol 0.012 g/100mL

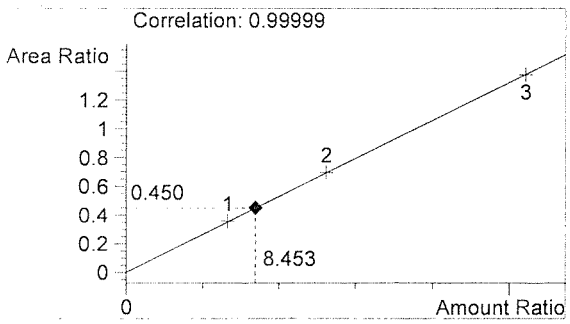
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/31/2015 11:51:19 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

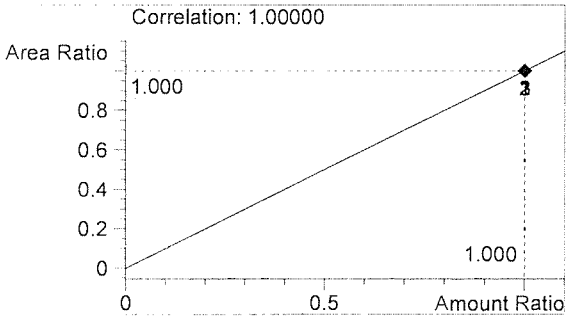
Sample Name: 15023-4
Operator: Christie Mitchell-Mata
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	1135	1.036
2	n-Propanol	2522	1.700



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

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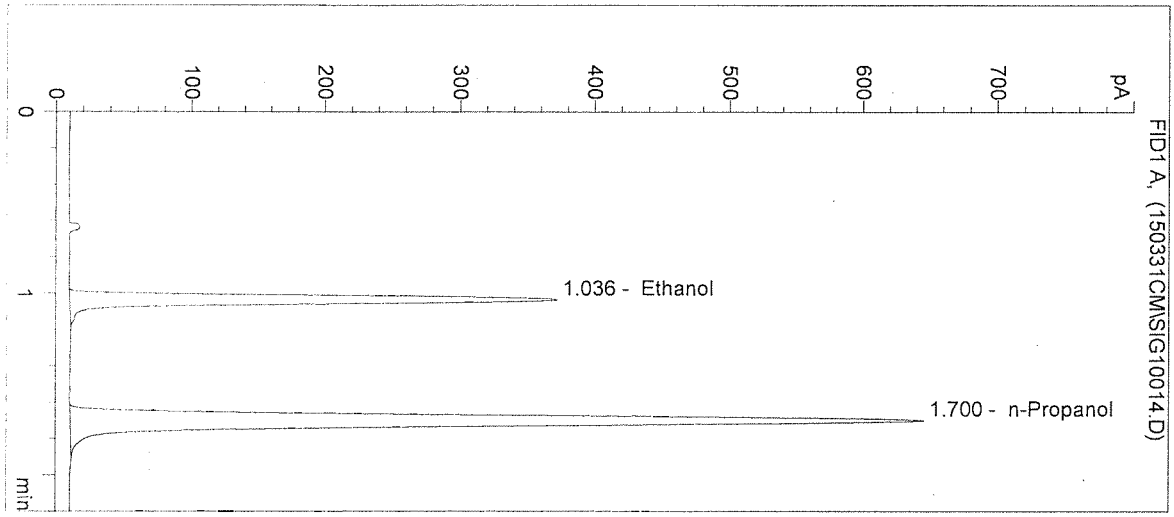
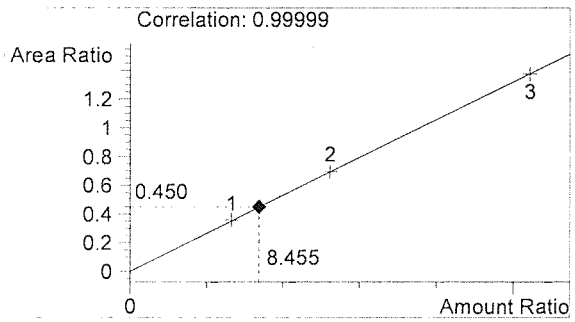
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/31/2015 11:54:32 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

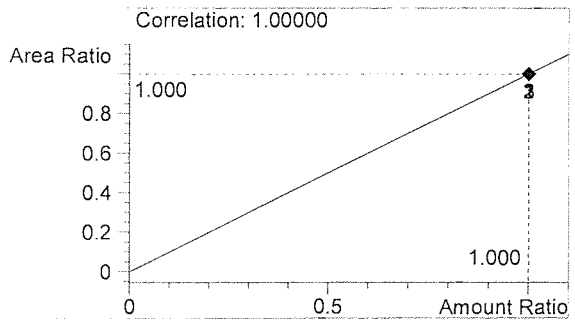
Sample Name: 15023-5
Operator: Christie Mitchell-Mata
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	1123	1.036
2	n-Propanol	2496	1.700



Ethanol 0.101 g/100mL

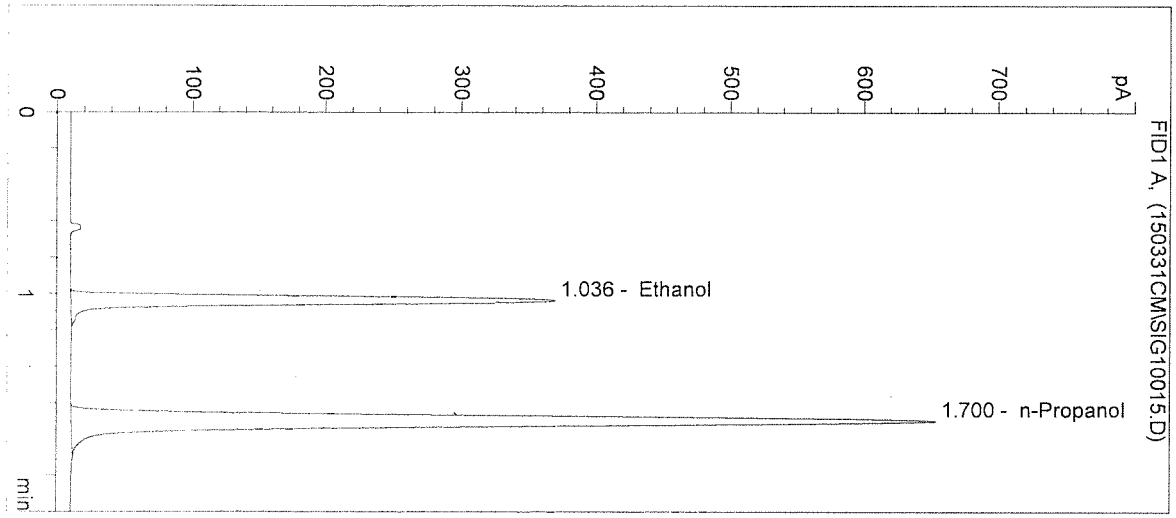


n-Propanol 0.012 g/100mL

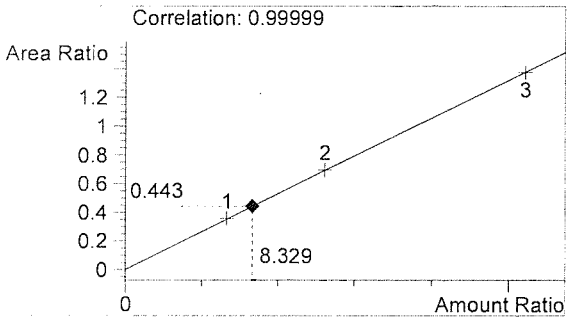
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/31/2015 11:57:45 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

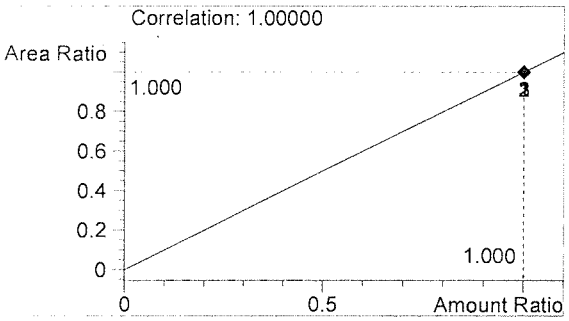
Sample Name: 0.10 CTRL
Operator: Christie Mitchell-Mata
Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	1120	1.036
2	n-Propanol	2526	1.700



Ethanol 0.100 g/100mL

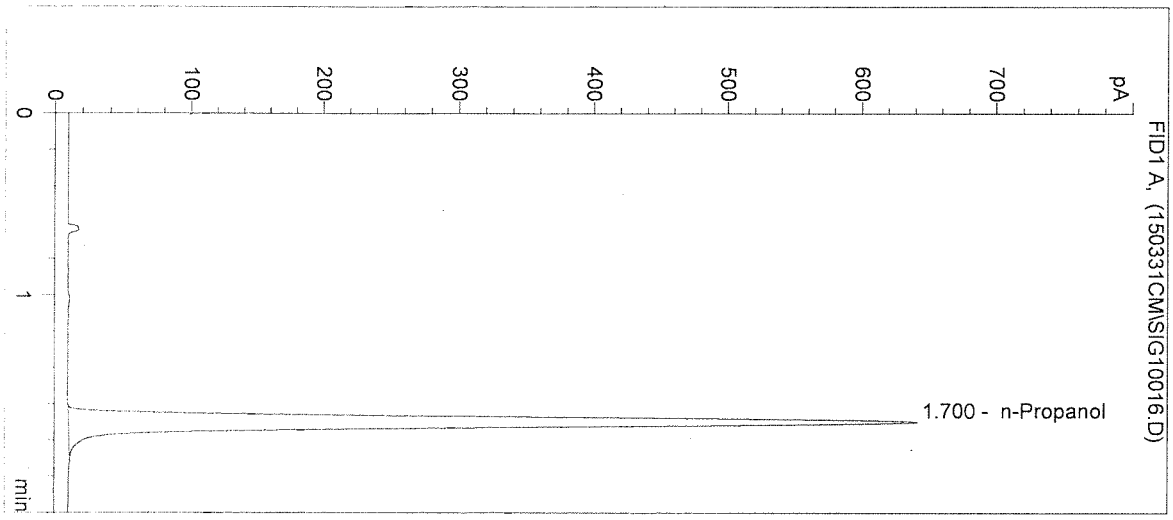


n-Propanol 0.012 g/100mL

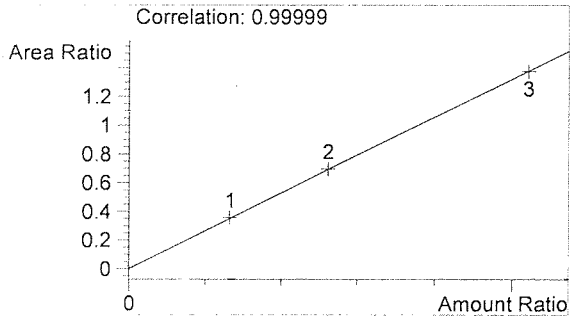
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/31/2015 12:00:59 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

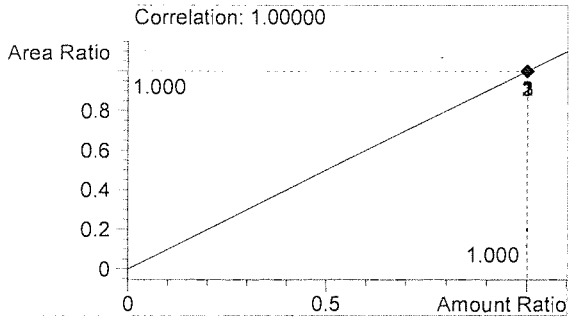
Sample Name: NEG CTRL
Operator: Christie Mitchell-Mata
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2483	1.700



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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:	150331RF
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E0315-01 - Exp. 09/13/2015
Ethanol Calibrator 2, E0315-02 - Exp. 09/13/2015
Ethanol Calibrator 3, E0315-03 - Exp. 09/13/2015

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#P0115 - Exp. 04/27/2015

Calibration vials 1-9 filed with 15023.

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	15023-1	SIMALC1	1	Sample		
11	Vial 11	15023-2	SIMALC1	1	Sample		
12	Vial 12	15023-3	SIMALC1	1	Sample		
13	Vial 13	15023-4	SIMALC1	1	Sample		
14	Vial 14	15023-5	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	15024-1	SIMALC1	1	Sample		
18	Vial 18	15024-2	SIMALC1	1	Sample		
19	Vial 19	15024-3	SIMALC1	1	Sample		
20	Vial 20	15024-4	SIMALC1	1	Sample		
21	Vial 21	15024-5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		

15023
fn 4/13/15

RF

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

15023

Jm 4/13/15

RF

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

Calibration Table

Calib. Data Modified : Tuesday, March 31, 2015 9:27:38 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
1.035	1	1	7.94500e-2	856.58215	9.27523e-5	1		Ethanol
		2	1.57190e-1	1723.93921	9.11807e-5			
		3	3.12390e-1	3383.57617	9.23254e-5			
1.699	1	1	1.20000e-2	2410.88843	4.97742e-6	I1		n-Propanol
		2	1.20000e-2	2479.90991	4.83889e-6			
		3	1.20000e-2	2453.38550	4.89120e-6			

Peak Sum Table

No Entries in table

15023
fmy 4/13/15

RF

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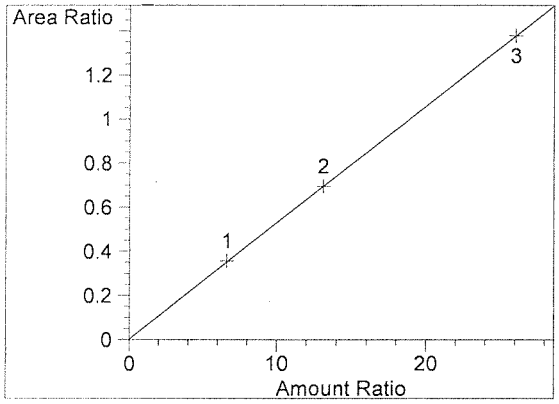
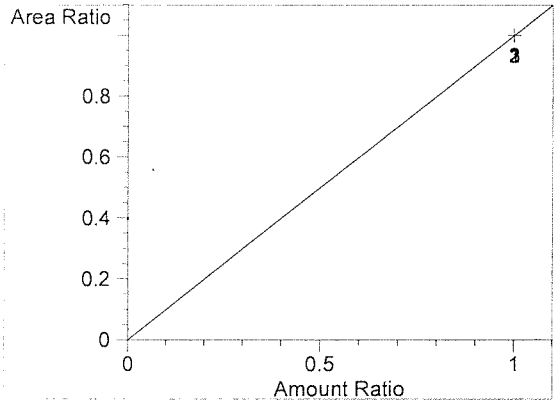
Calibration Curves

==========



Ethanol at exp. RT: 1.035
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00252
Formula: y = mx + b
m: 5.29241e-2
b: 2.04904e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.699
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

==========

15023

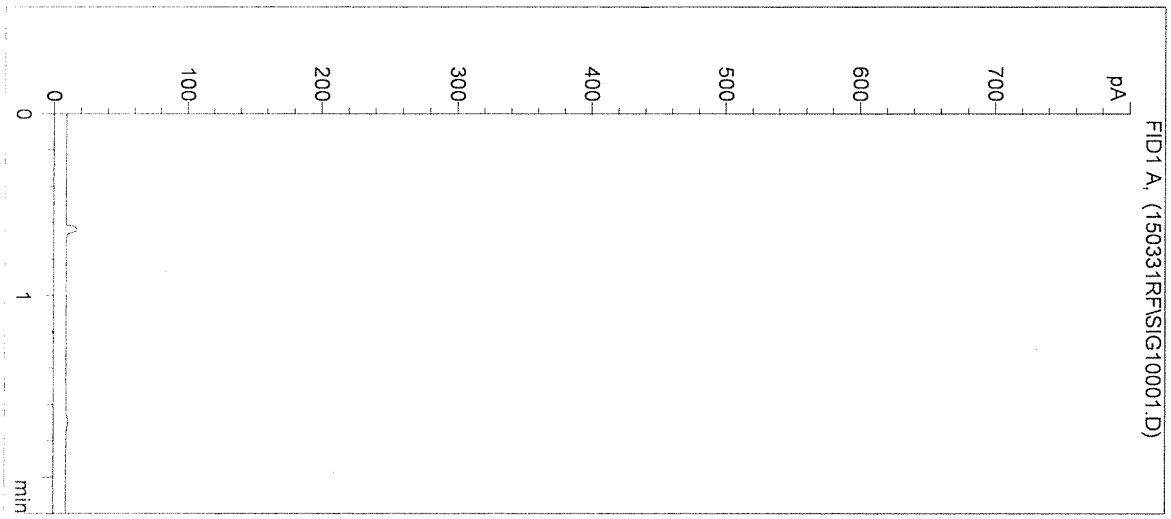
Jm 4/13/15

RF

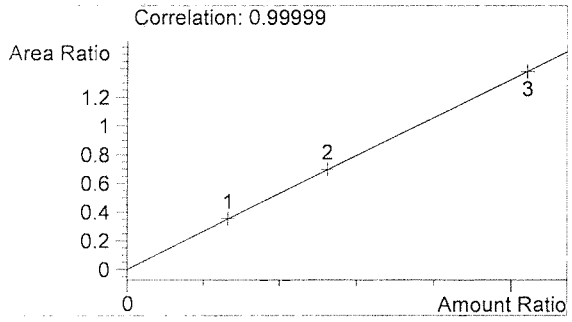
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/31/2015 9:15:34 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

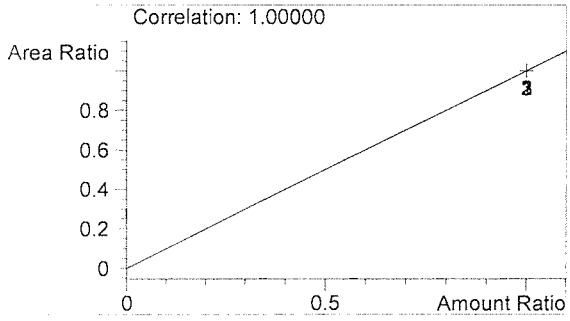
Sample Name: BLANK
Operator: Rebecca Flaherty
Location: Vial 1



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



Ethanol 0.000 g/100mL



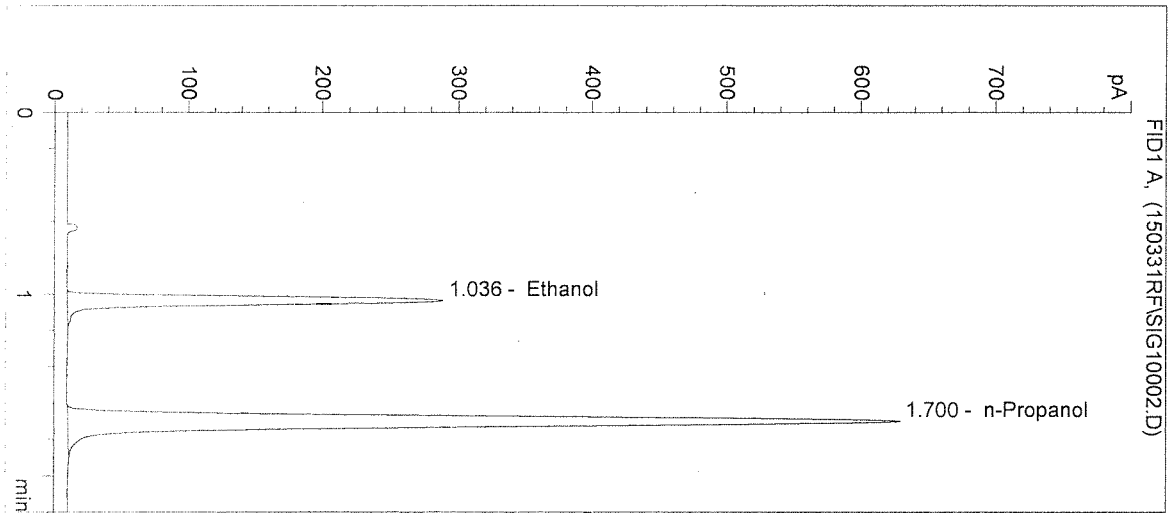
n-Propanol 0.000 g/100mL

RF

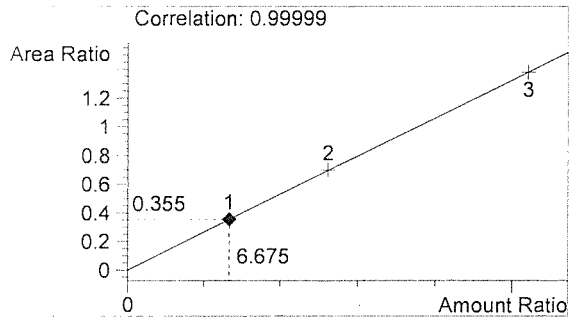
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/31/2015 9:18:51 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

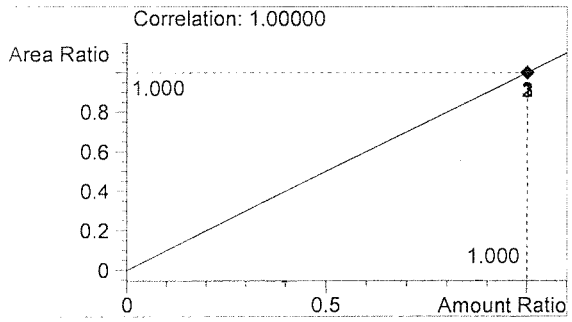
Sample Name: 0.079 CAL 1
Operator: Rebecca Flaherty
Location: Vial 2



#	Compound	Peak Area	RT (min)
1	Ethanol	857	1.036
2	n-Propanol	2411	1.700



Ethanol 0.080 g/100mL



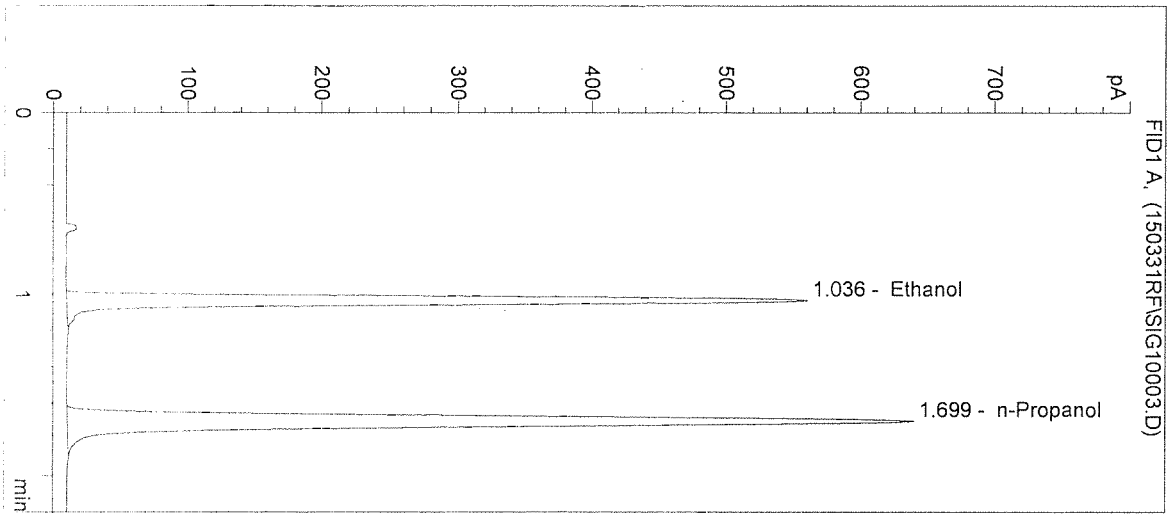
n-Propanol 0.012 g/100mL

RF

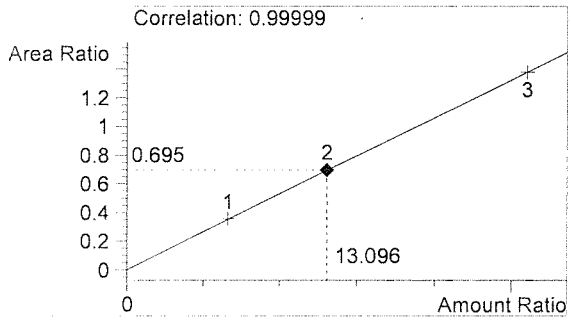
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/31/2015 9:22:08 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

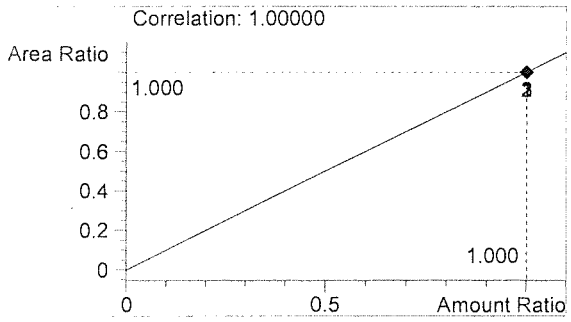
Sample Name: 0.158 CAL 2
Operator: Rebecca Flaherty
Location: Vial 3



#	Compound	Peak Area	RT (min)
1	Ethanol	1724	1.036
2	n-Propanol	2480	1.699



Ethanol 0.157 g/100mL

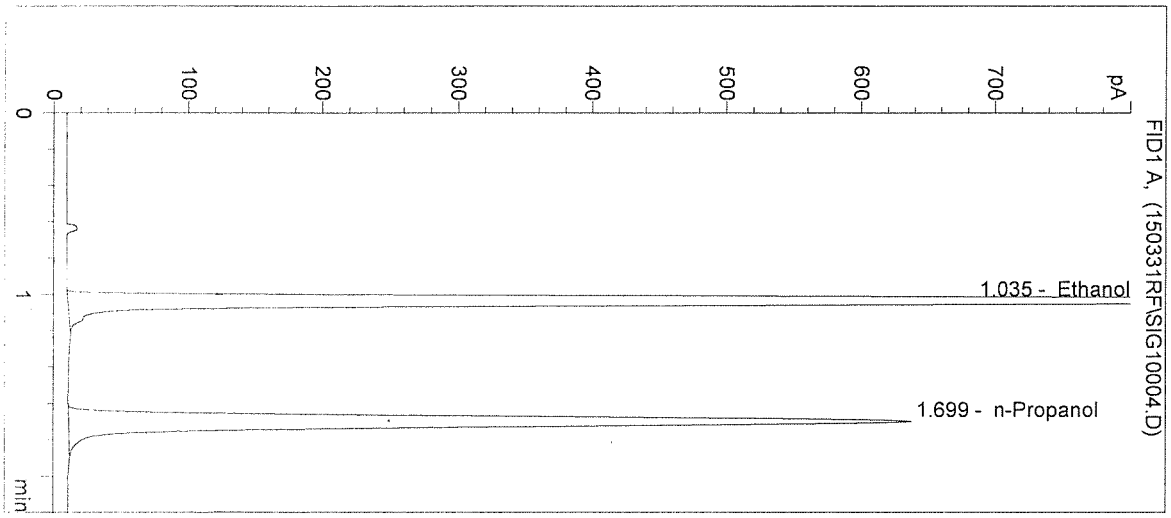


n-Propanol 0.012 g/100mL

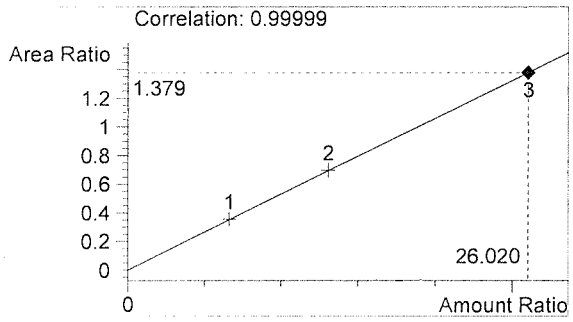
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/31/2015 9:25:25 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

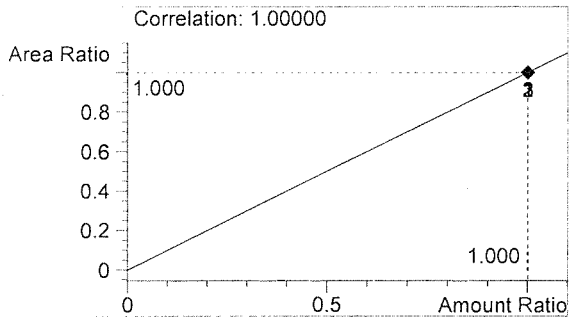
Sample Name: 0.316 CAL 3
Operator: Rebecca Flaherty
Location: Vial 4



#	Compound	Peak Area	RT (min)
1	Ethanol	3384	1.035
2	n-Propanol	2453	1.699



Ethanol 0.312 g/100mL

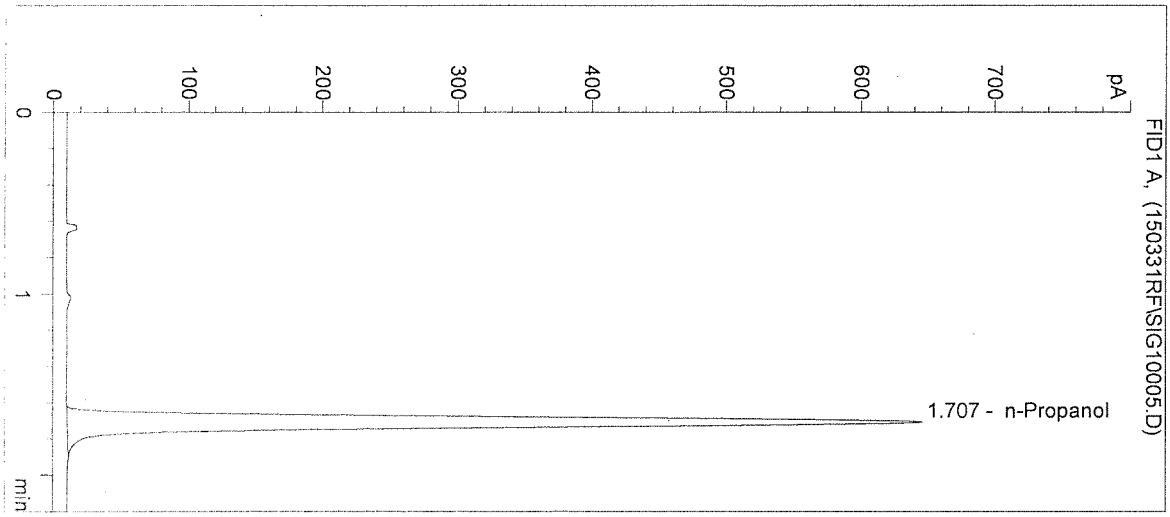


n-Propanol 0.012 g/100mL

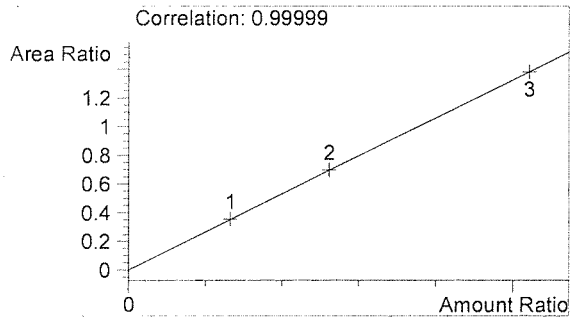
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/31/2015 9:28:39 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

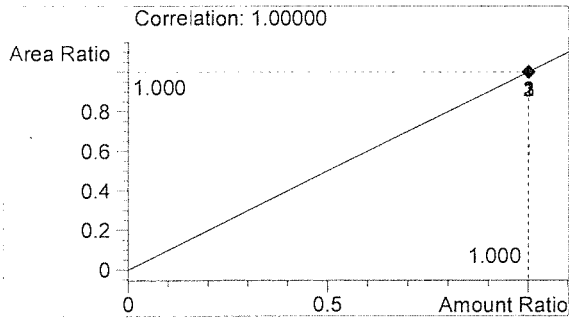
Sample Name: NEG CTRL
Operator: Rebecca Flaherty
Location: Vial 5



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2515	1.707



Ethanol 0.000 g/100mL



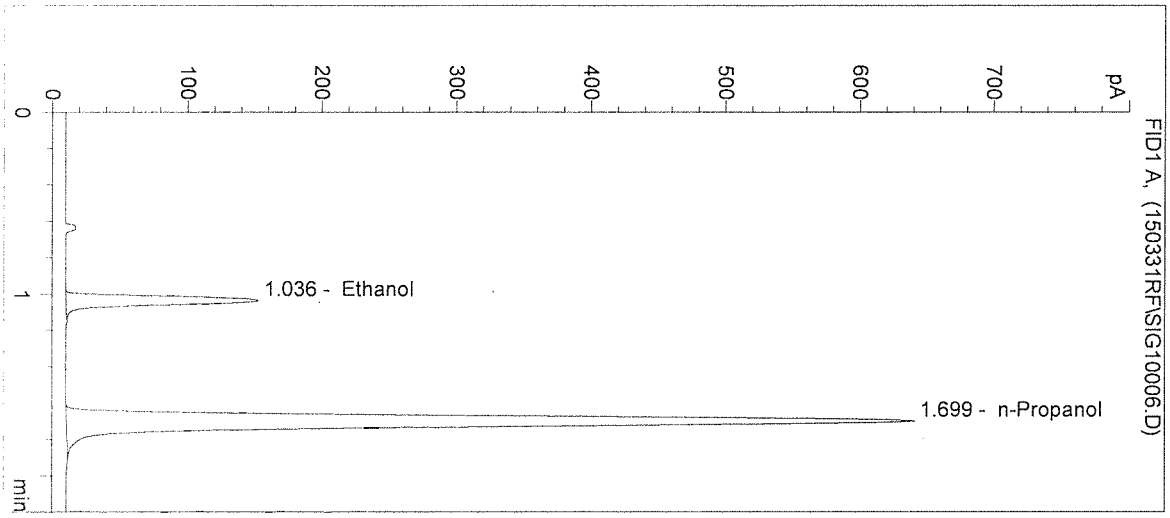
n-Propanol 0.012 g/100mL

RF

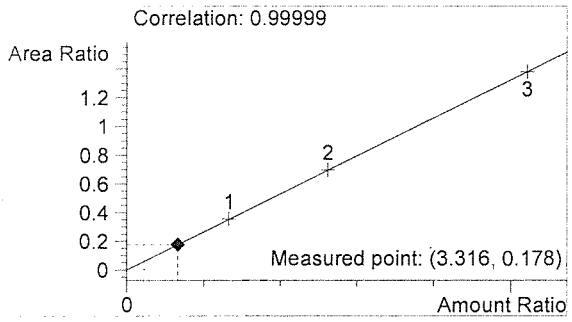
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/31/2015 9:31:52 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

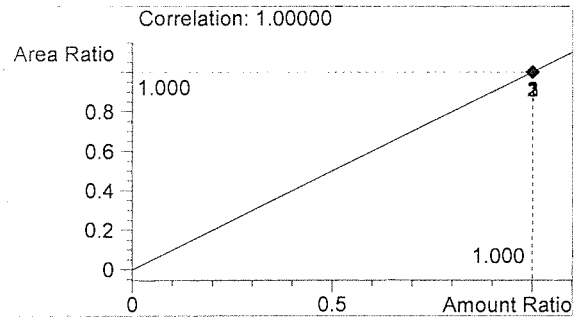
Sample Name: 0.04 CTRL
Operator: Rebecca Flaherty
Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	439	1.036
2	n-Propanol	2475	1.699



Ethanol 0.040 g/100mL



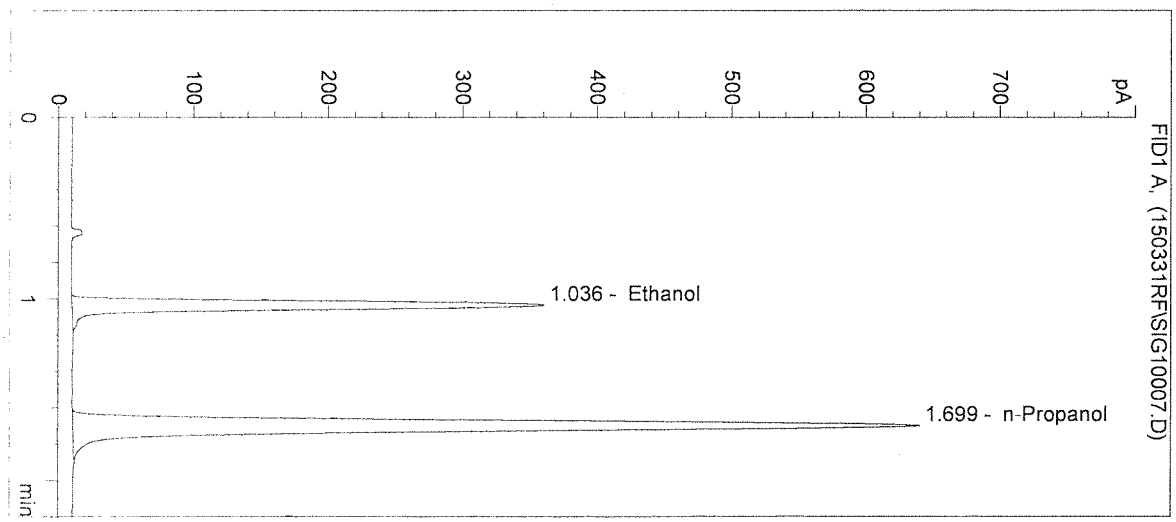
n-Propanol 0.012 g/100mL

RF

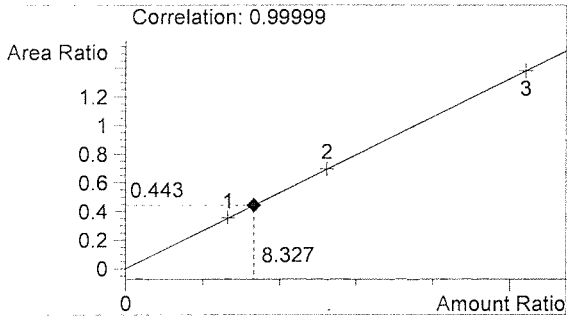
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/31/2015 9:35:05 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

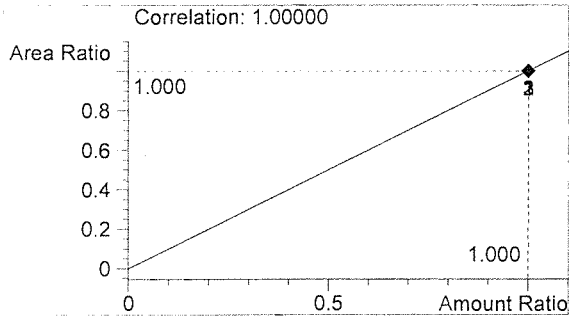
Sample Name: 0.10 CTRL
Operator: Rebecca Flaherty
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	1097	1.036
2	n-Propanol	2478	1.699



Ethanol 0.100 g/100mL



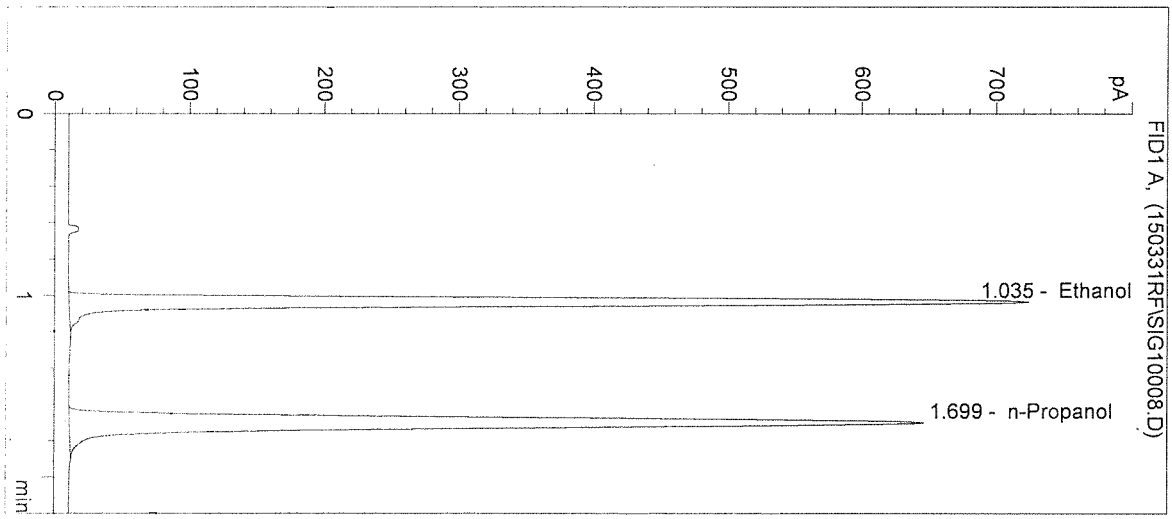
n-Propanol 0.012 g/100mL

RF

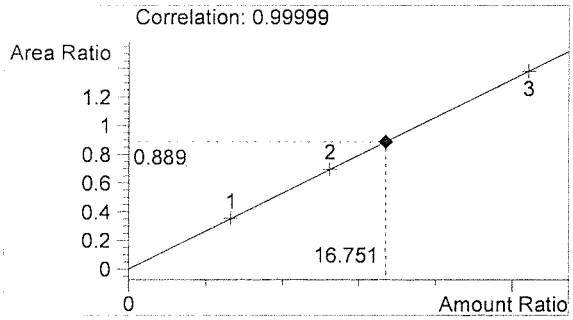
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/31/2015 9:38:18 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

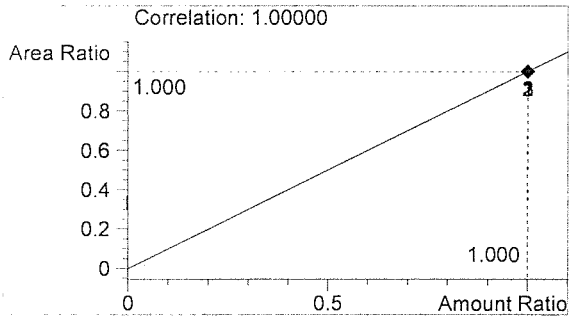
Sample Name: 0.20 CTRL
Operator: Rebecca Flaherty
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	2214	1.035
2	n-Propanol	2491	1.699



Ethanol 0.201 g/100mL



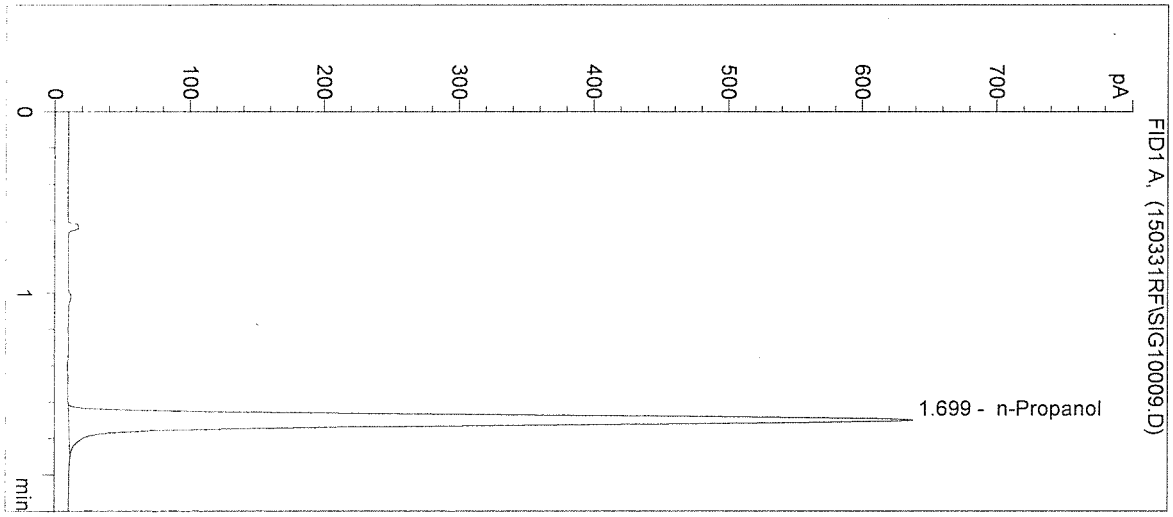
n-Propanol 0.012 g/100mL

RF

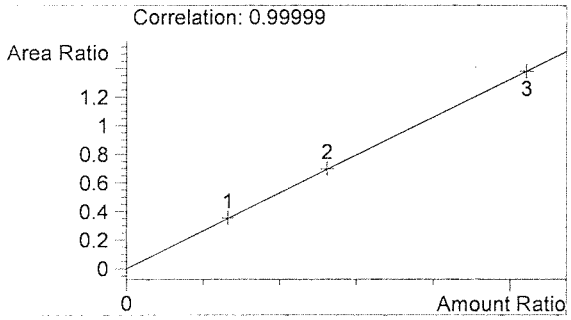
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/31/2015 9:41:31 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

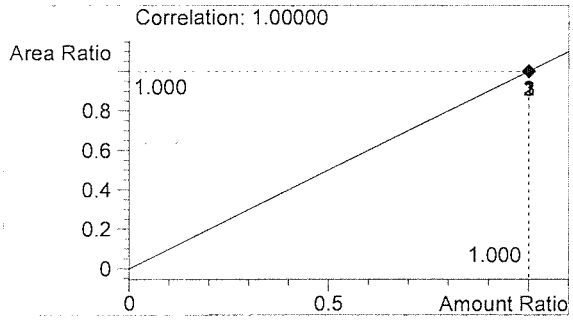
Sample Name: NEG CTRL
Operator: Rebecca Flaherty
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2460	1.699



Ethanol 0.000 g/100mL



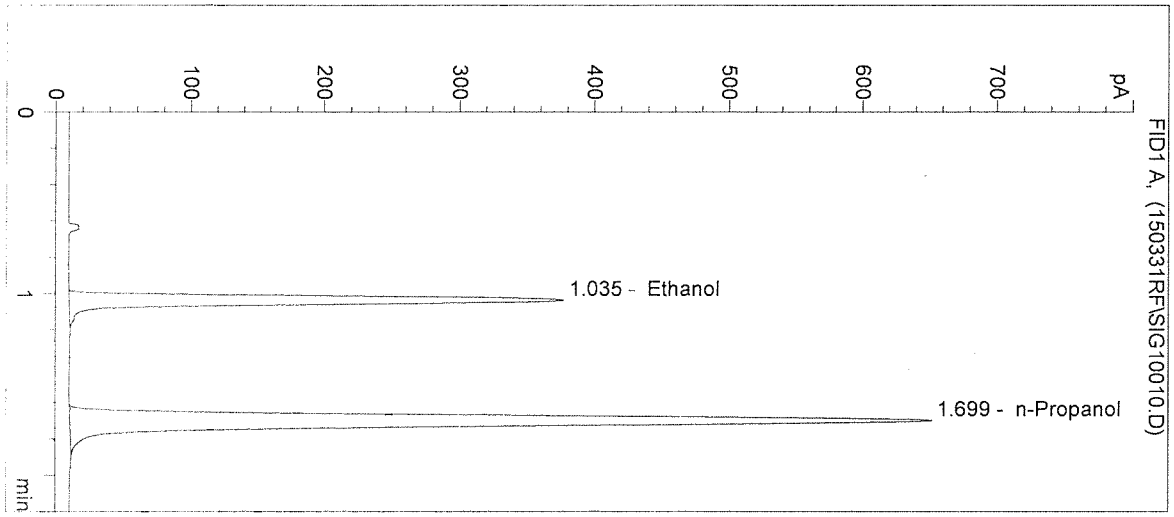
n-Propanol 0.012 g/100mL

RF

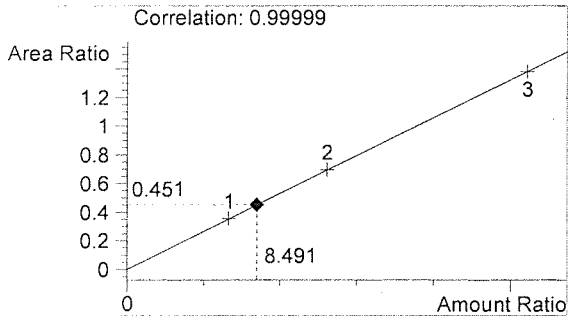
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/31/2015 9:44:44 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

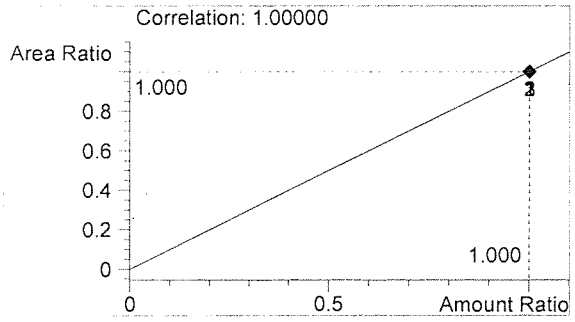
Sample Name: 15023-1
Operator: Rebecca Flaherty
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	1135	1.035
2	n-Propanol	2514	1.699



Ethanol 0.102 g/100mL



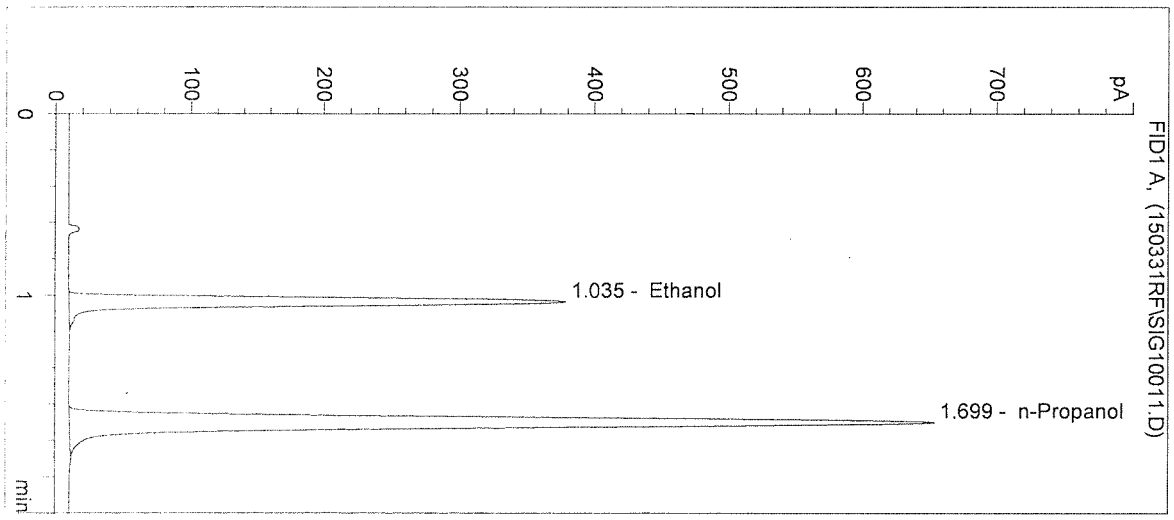
n-Propanol 0.012 g/100mL

RF

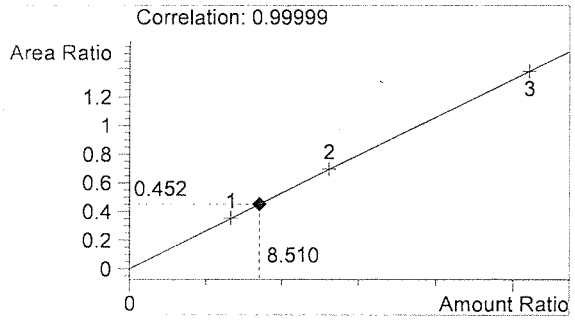
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/31/2015 9:47:56 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

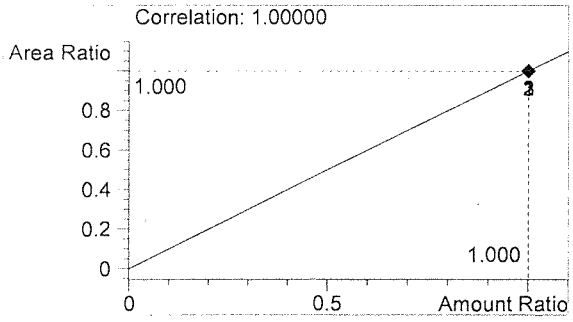
Sample Name: 15023-2
Operator: Rebecca Flaherty
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	1142	1.035
2	n-Propanol	2525	1.699



Ethanol 0.102 g/100mL



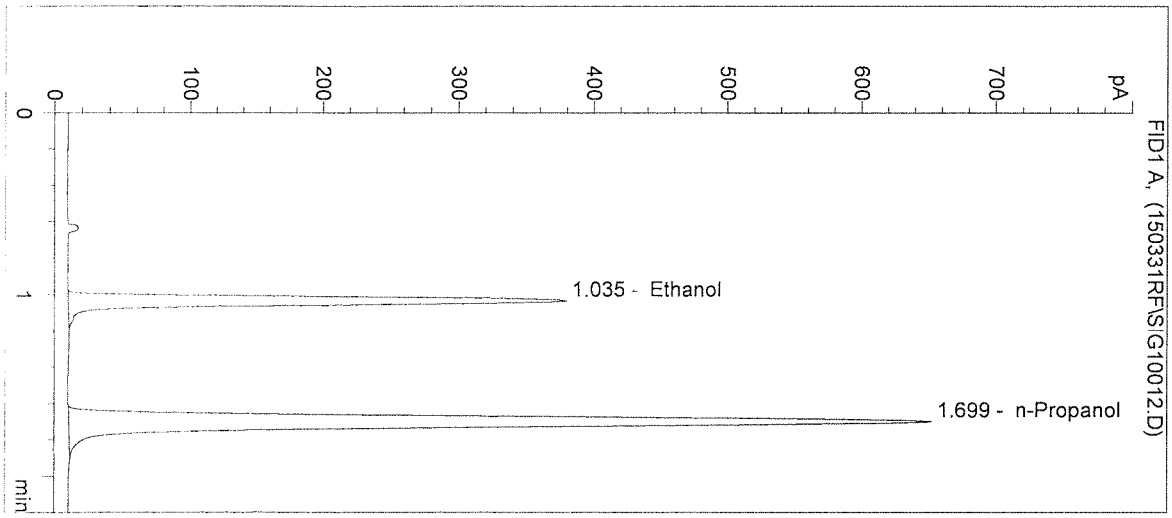
n-Propanol 0.012 g/100mL

RF

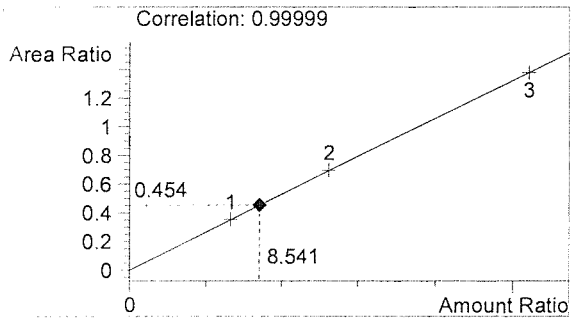
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/31/2015 9:51:10 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

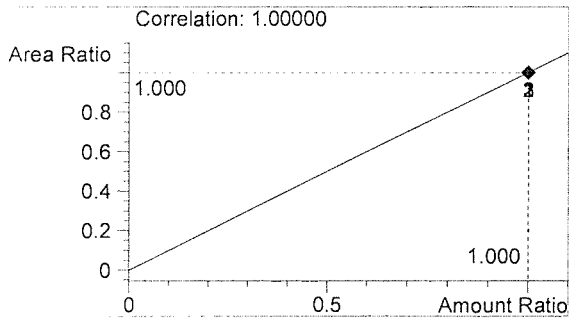
Sample Name: 15023-3
Operator: Rebecca Flaherty
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	1141	1.035
2	n-Propanol	2512	1.699



Ethanol 0.102 g/100mL



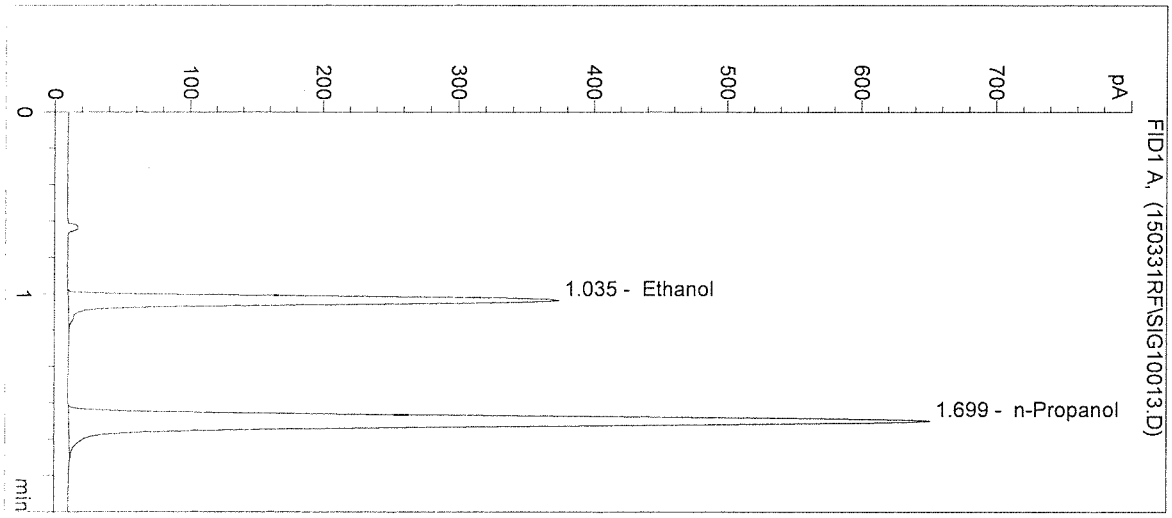
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\150331RF\SIG10012.D

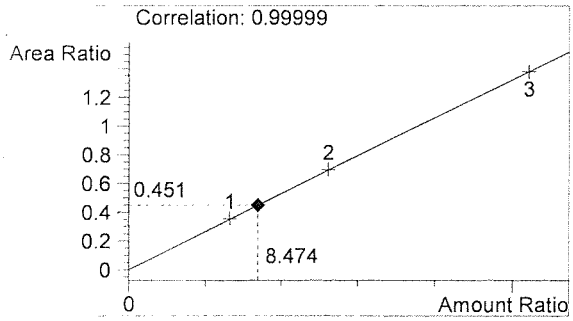
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/31/2015 9:54:23 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

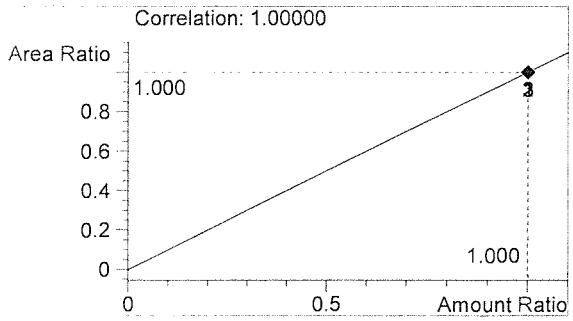
Sample Name: 15023-4
Operator: Rebecca Flaherty
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	1134	1.035
2	n-Propanol	2517	1.699



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

fr

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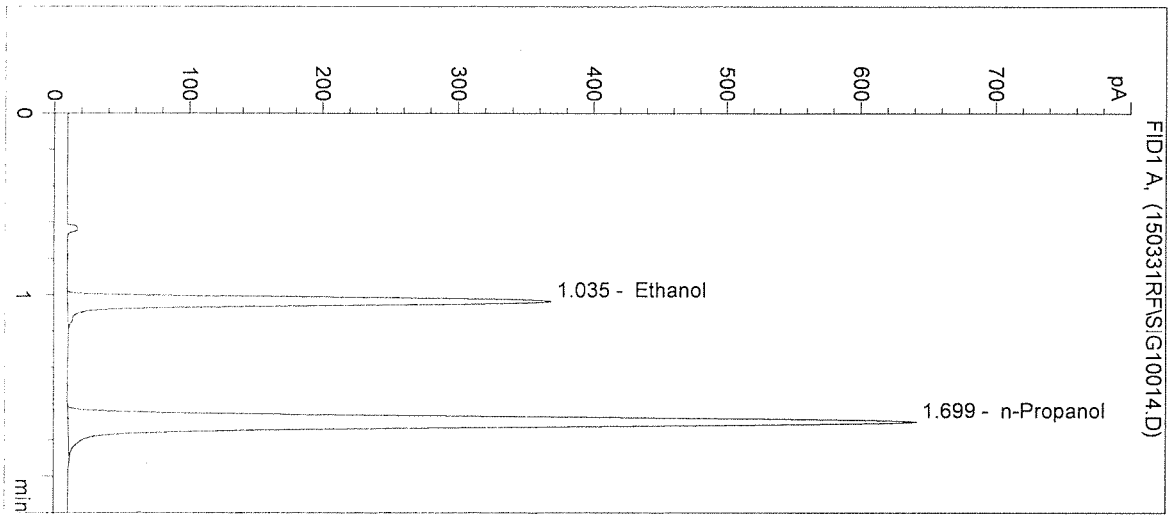
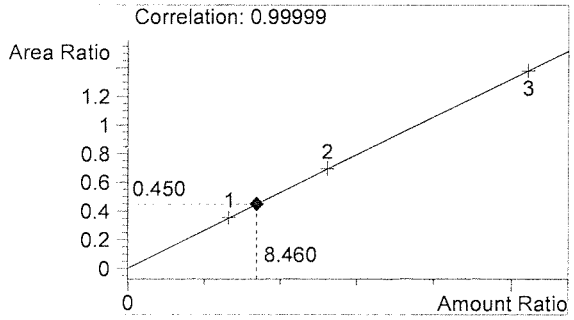
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/31/2015 9:57:37 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

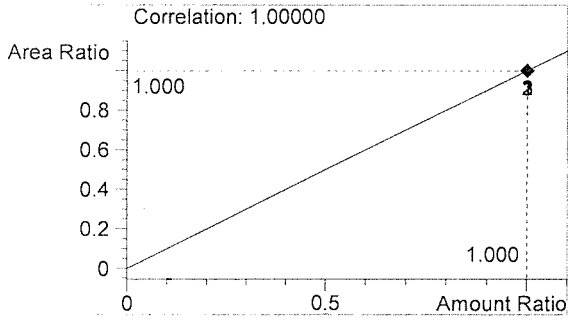
Sample Name: 15023-5
Operator: Rebecca Flaherty
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	1118	1.035
2	n-Propanol	2486	1.699



Ethanol 0.102 g/100mL



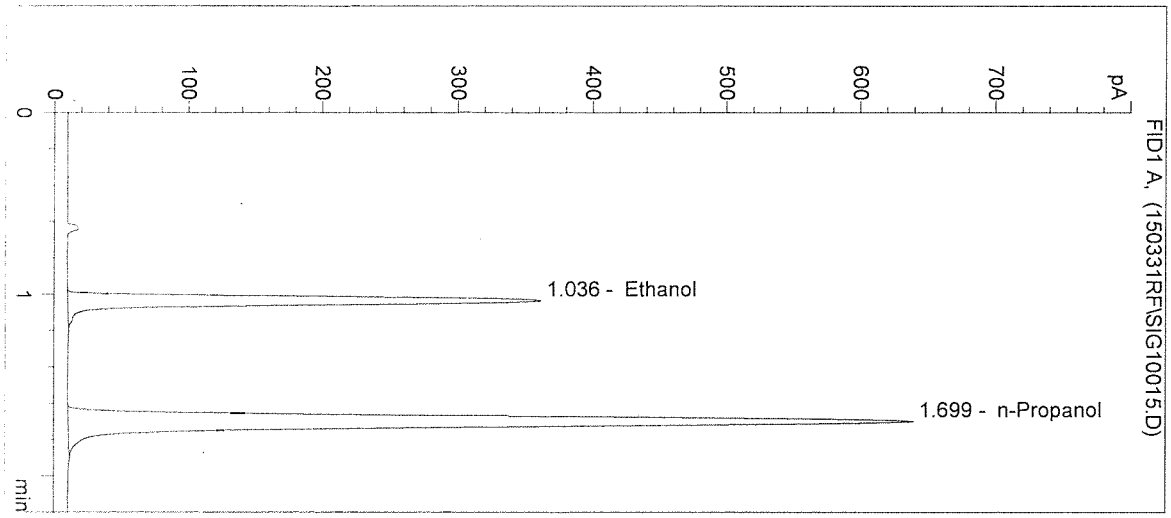
n-Propanol 0.012 g/100mL

fn
RF

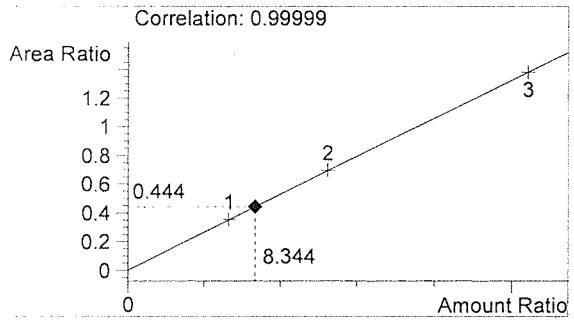
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/31/2015 10:00:49 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

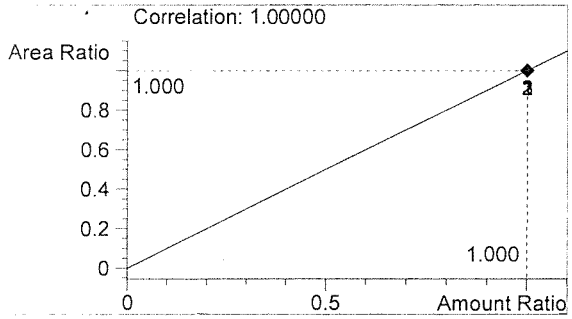
Sample Name: 0.10 CTRL
Operator: Rebecca Flaherty
Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	1100	1.036
2	n-Propanol	2480	1.699



Ethanol 0.100 g/100mL



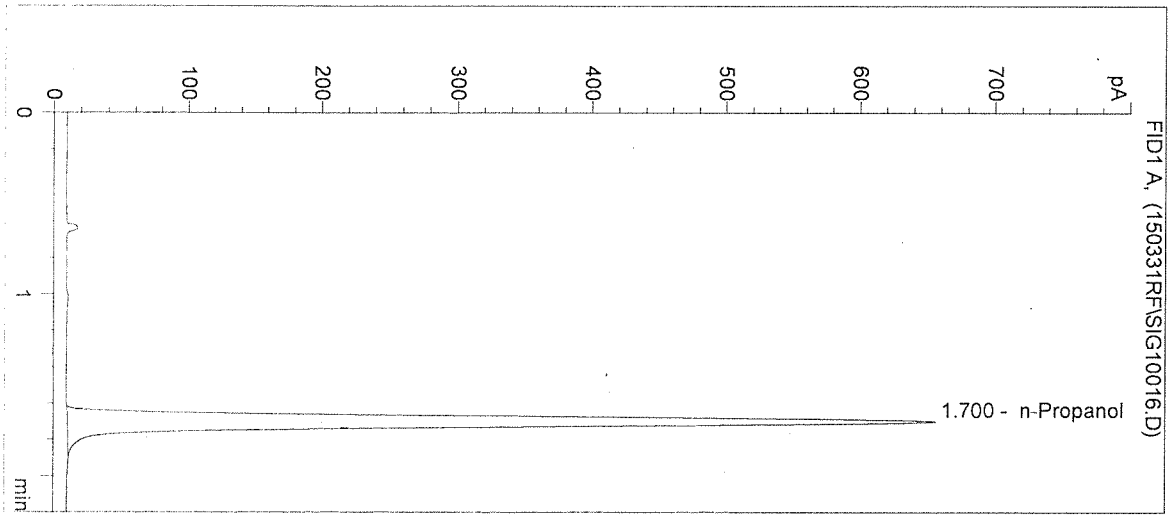
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\150331RF\SIG10015.D

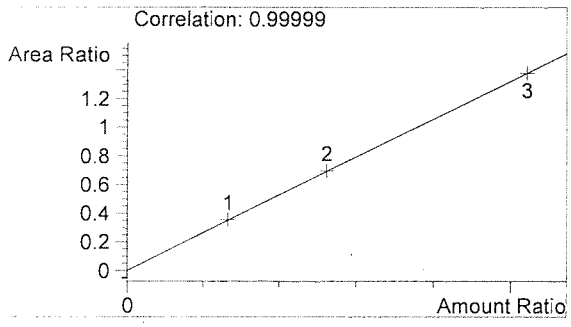
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 3/31/2015 10:04:02 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

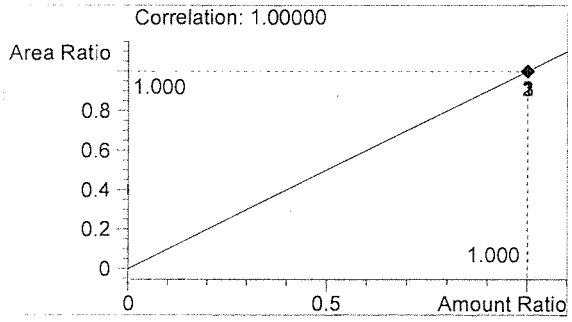
Sample Name: NEG CTRL
Operator: Rebecca Flaherty
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2527	1.700



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

RF

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:	150406CJ
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E0315-01 - Exp. 09/13/2015
Ethanol Calibrator 2, E0315-02 - Exp. 09/13/2015
Ethanol Calibrator 3, E0315-03 - Exp..09/13/2015
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#P0315 - Exp. 06/25/2015

Calibration vials 1-9 filed with 15023.

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 15023 #1	SIMALC1	1	Sample		
11	Vial 11	ESS 15023 #2	SIMALC1	1	Sample		
12	Vial 12	ESS 15023 #3	SIMALC1	1	Sample		
13	Vial 13	ESS 15023 #4	SIMALC1	1	Sample		
14	Vial 14	ESS 15023 #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 15024 #1	SIMALC1	1	Sample		
18	Vial 18	ESS 15024 #2	SIMALC1	1	Sample		
19	Vial 19	ESS 15024 #3	SIMALC1	1	Sample		
20	Vial 20	ESS 15024 #4	SIMALC1	1	Sample		
21	Vial 21	ESS 15024 #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		

~~150~~ 4/13/15

15023 4/13/15

Calibration Part:

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

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!

15023
JM 4/13/15

W

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

Calibration Table

Calib. Data Modified : Monday, April 06, 2015 6:01:31 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
1.036	1	1	7.94500e-2	843.64160	9.41751e-5		1	Ethanol
		2	1.57190e-1	1701.18701	9.24002e-5			
		3	3.12390e-1	3356.13843	9.30802e-5			
1.701	1	1	1.20000e-2	2313.00928	5.18805e-6		I1	n-Propanol
		2	1.20000e-2	2374.72290	5.05322e-6			
		3	1.20000e-2	2364.97778	5.07404e-6			

Peak Sum Table

No Entries in table

15023
fr 4/13/15

W

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Calibration Curves

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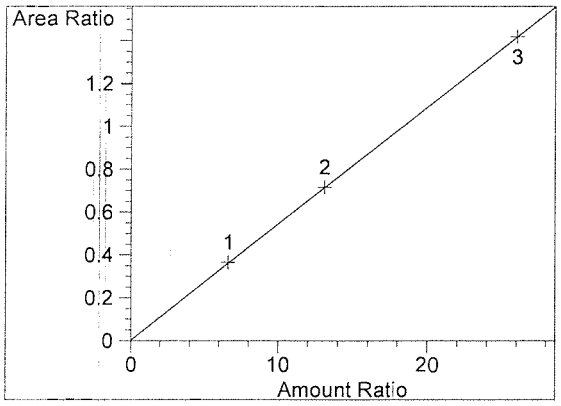
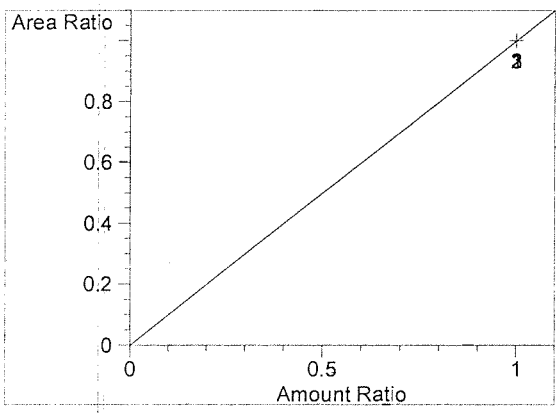


Ethanol at exp. RT: 1.036
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00223
Formula: y = mx + b
m: 5.44732e-2
b: 1.98118e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.701
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

==========

15023

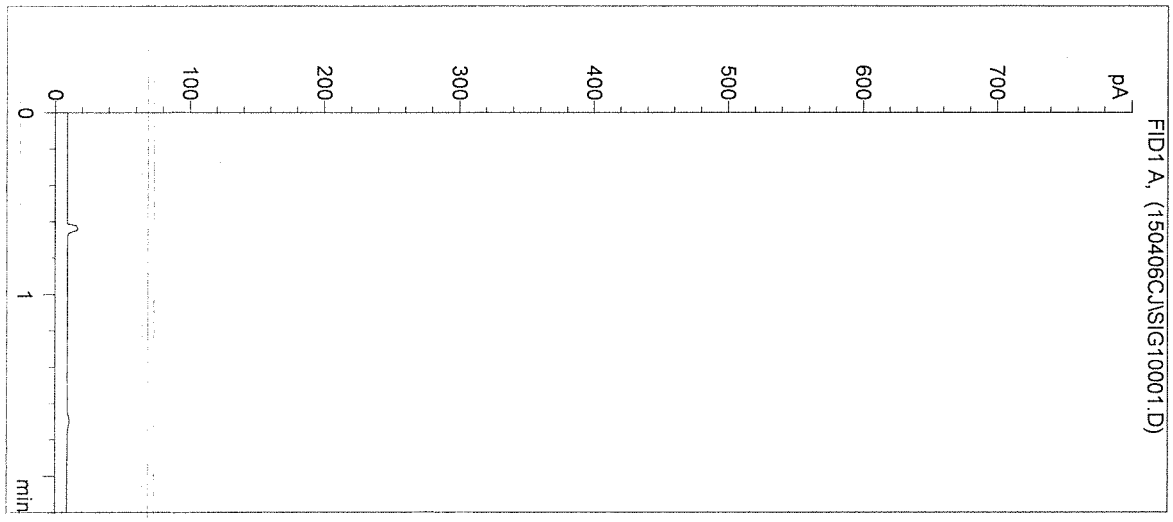
JM 4/13/15

W

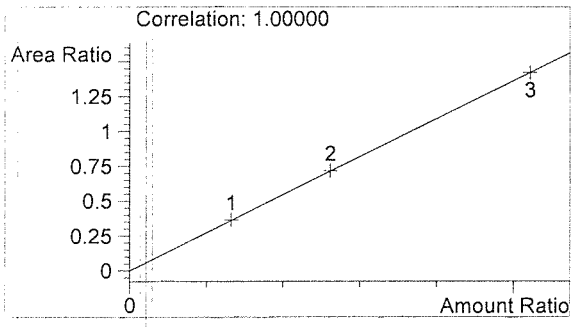
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/6/2015 5:49:26 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

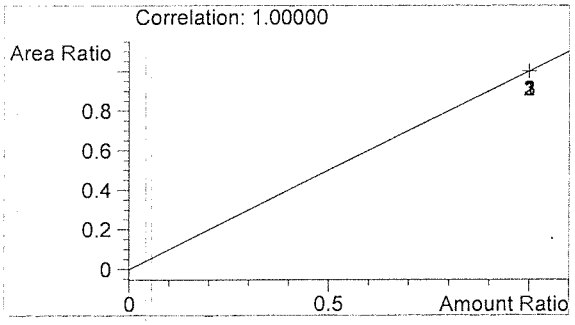
Sample Name: BLANK
Operator: Chris Johnston
Location: Vial 1



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



Ethanol 0.000 g/100mL

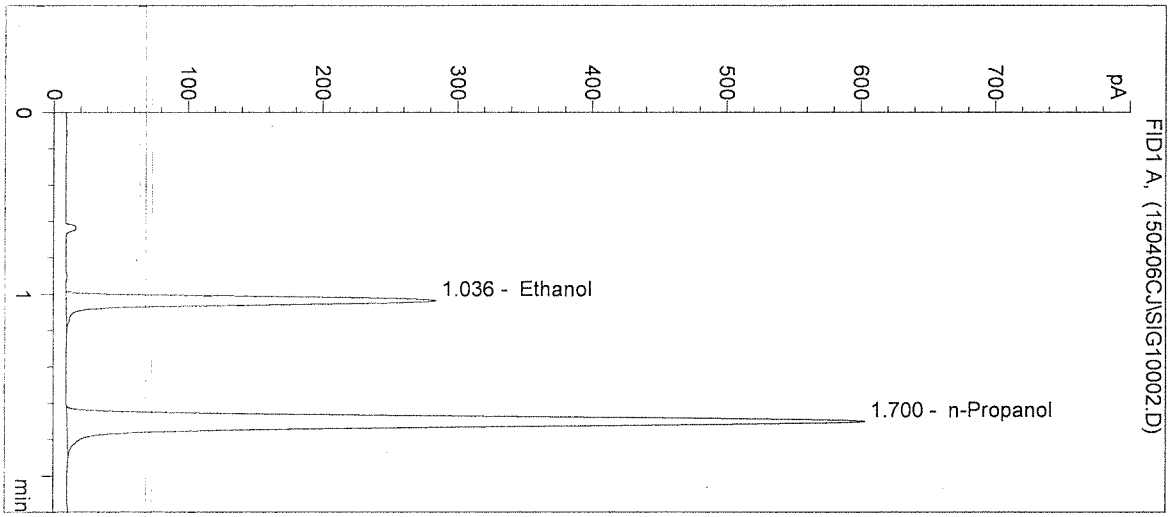


n-Propanol 0.000 g/100mL

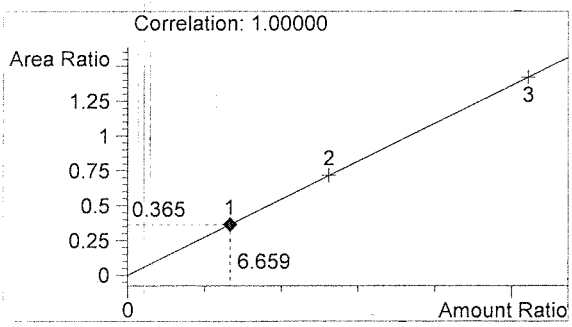
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/6/2015 5:52:44 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

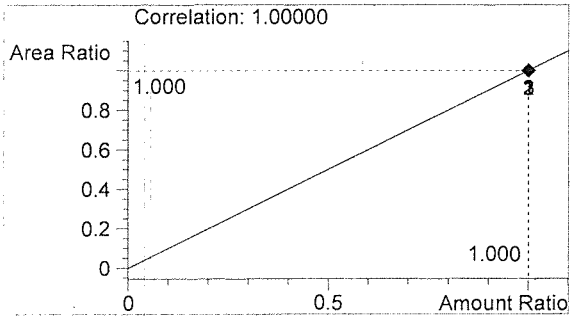
Sample Name: CAL 1 (0.079)
Operator: Chris Johnston
Location: Vial 2



#	Compound	Peak Area	RT (min)
1	Ethanol	844	1.036
2	n-Propanol	2313	1.700



Ethanol 0.080 g/100mL

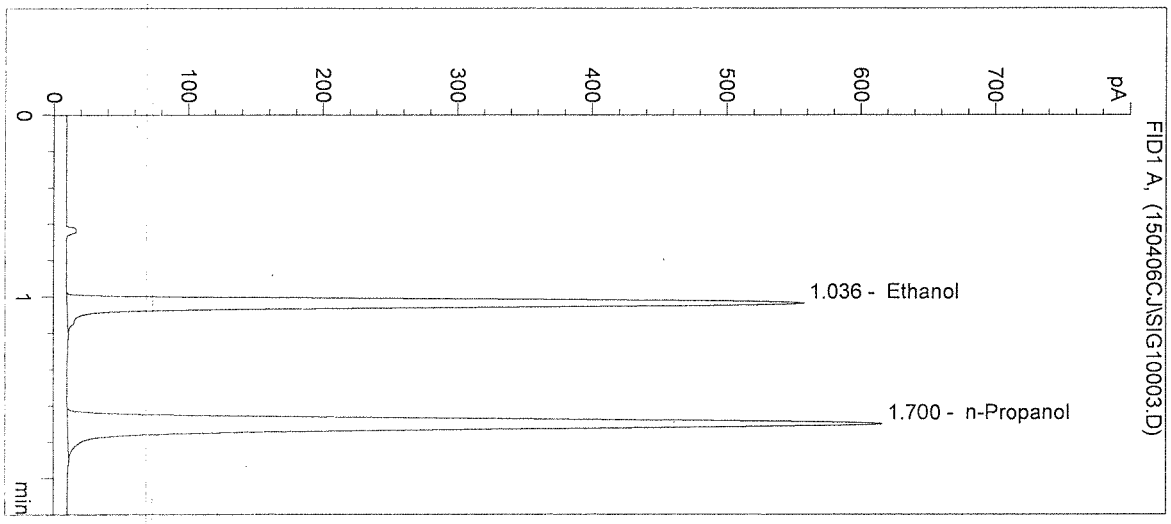


n-Propanol 0.012 g/100mL

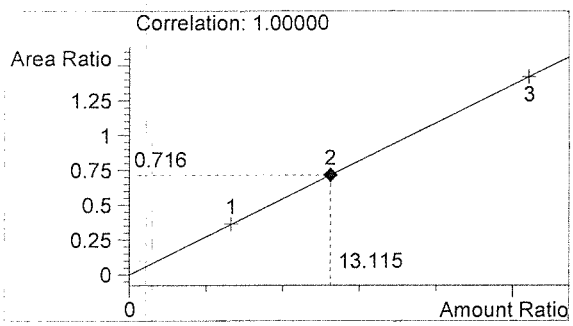
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/6/2015 5:56:01 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

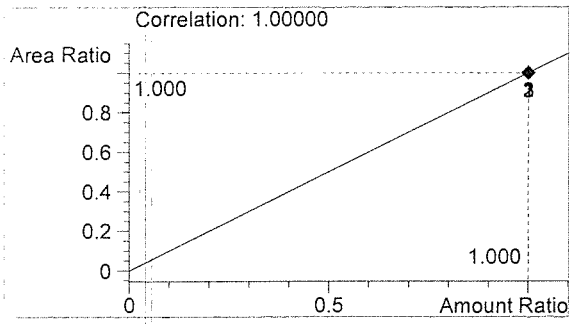
Sample Name: CAL 2 (0.158)
Operator: Chris Johnston
Location: Vial 3



#	Compound	Peak Area	RT (min)
1	Ethanol	1701	1.036
2	n-Propanol	2375	1.700



Ethanol 0.157 g/100mL

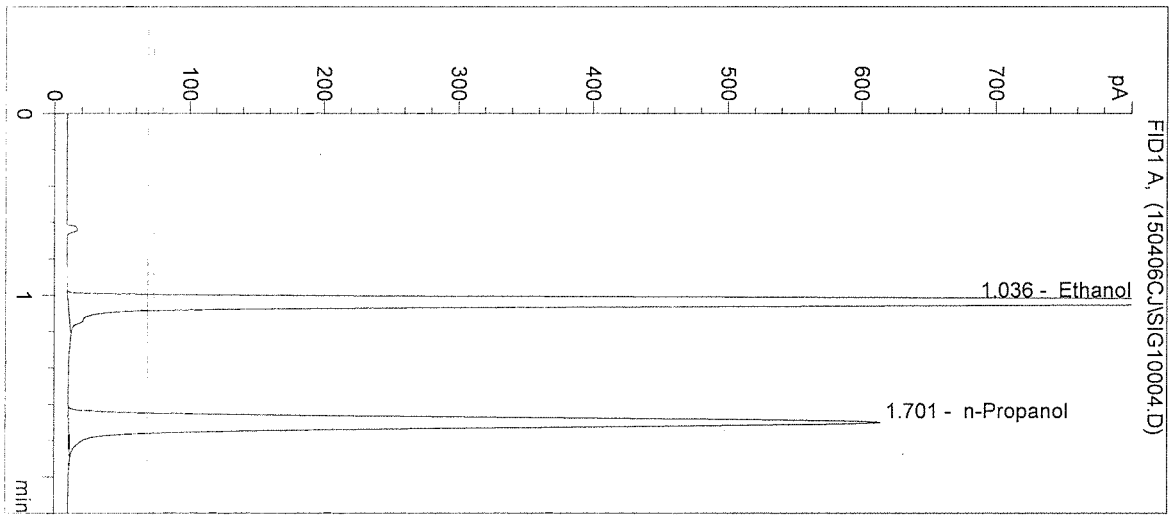


n-Propanol 0.012 g/100mL

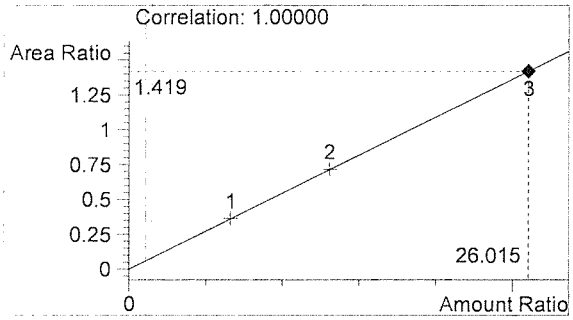
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/6/2015 5:59:18 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

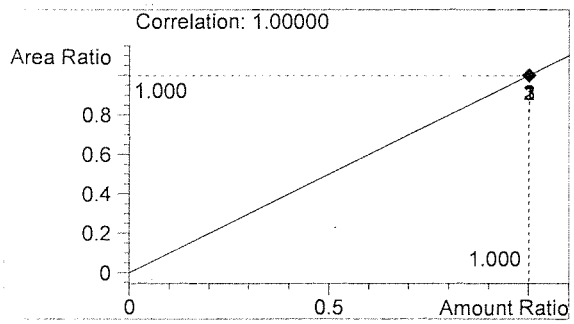
Sample Name: CAL 3 (0.316)
Operator: Chris Johnston
Location: Vial 4



#	Compound	Peak Area	RT (min)
1	Ethanol	3356	1.036
2	n-Propanol	2365	1.701



Ethanol 0.312 g/100mL

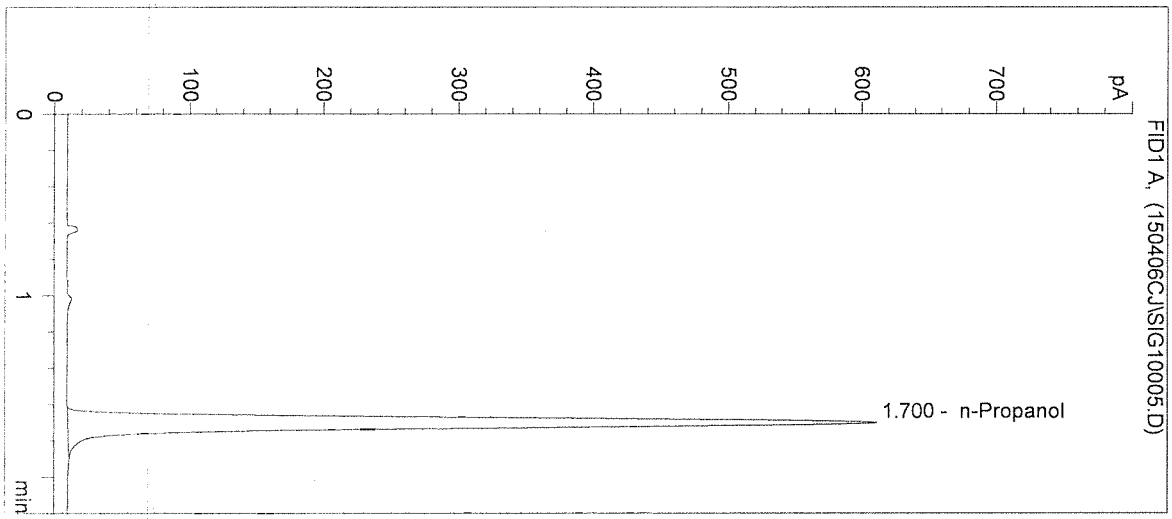


n-Propanol 0.012 g/100mL

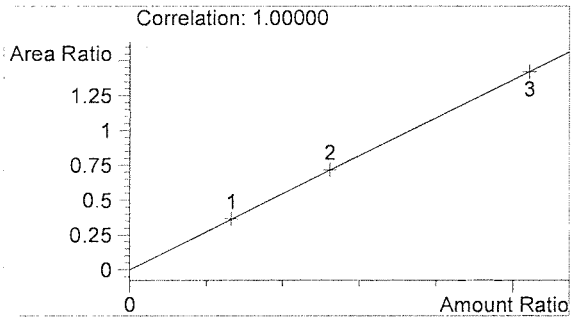
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/6/2015 6:02:31 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

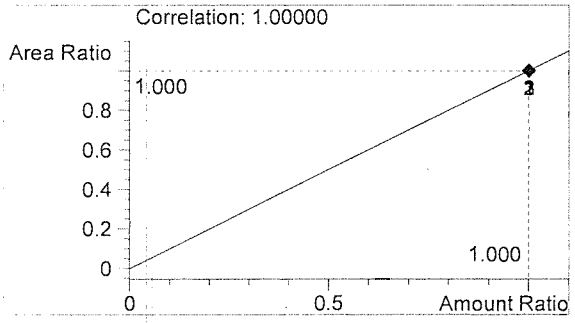
Sample Name: NEG CTRL - CJ
Operator: Chris Johnston
Location: Vial 5



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2352	1.700



Ethanol 0.000 g/100mL

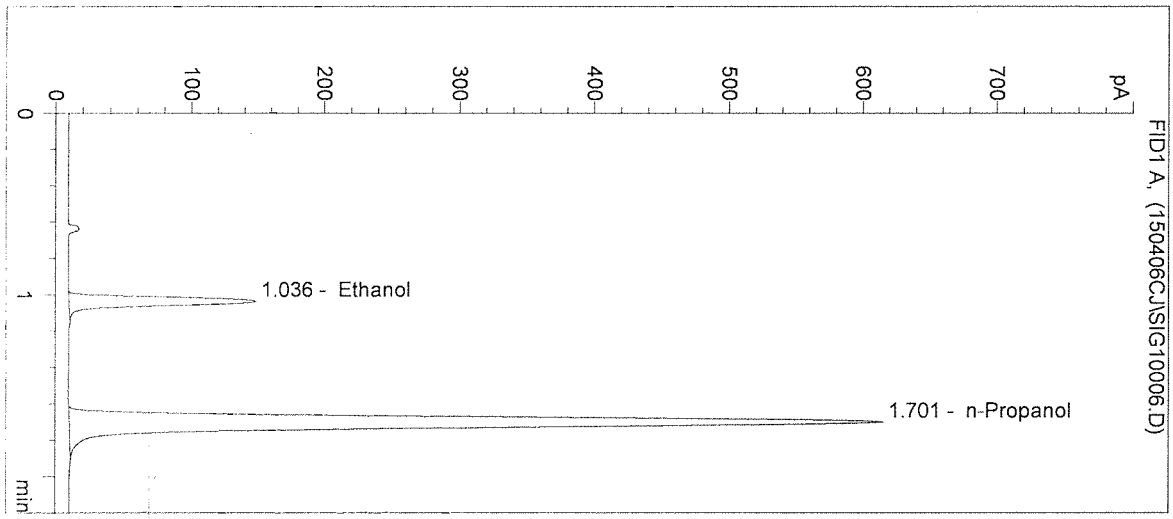


n-Propanol 0.012 g/100mL

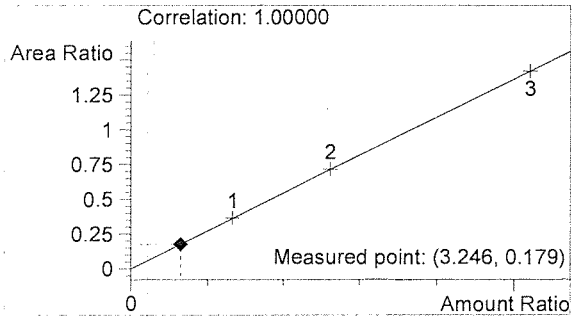
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/6/2015 6:05:45 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

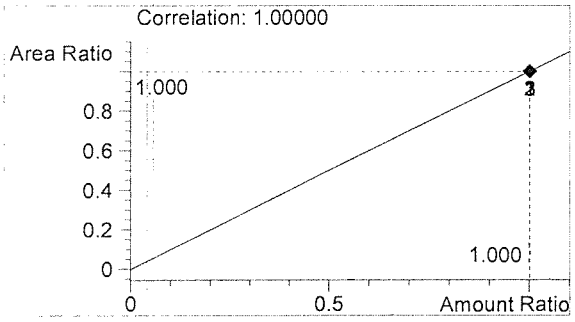
Sample Name: 0.04 CTRL - CJ
Operator: Chris Johnston
Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	424	1.036
2	n-Propanol	2371	1.701



Ethanol 0.039 g/100mL

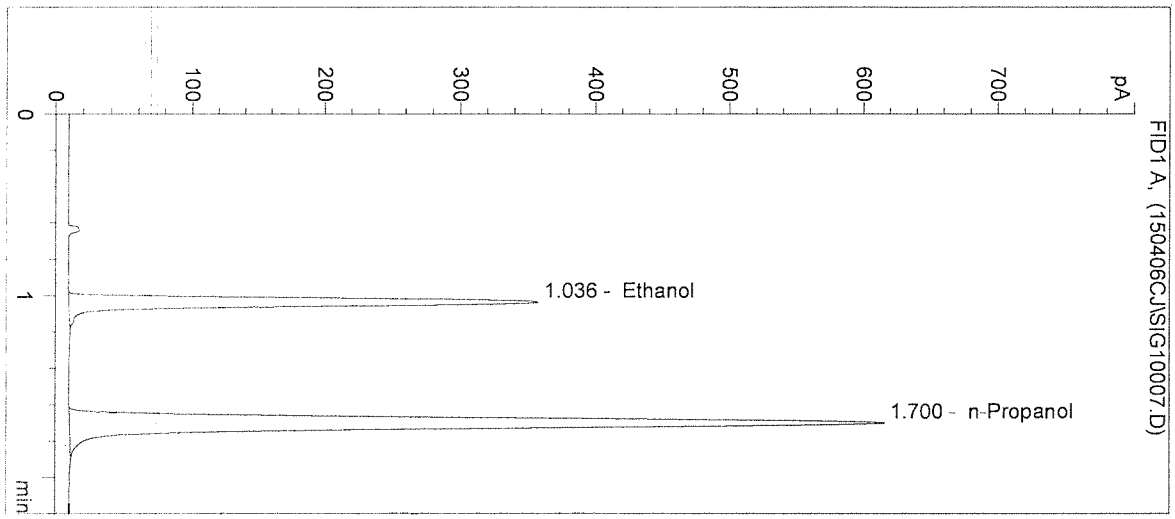


n-Propanol 0.012 g/100mL

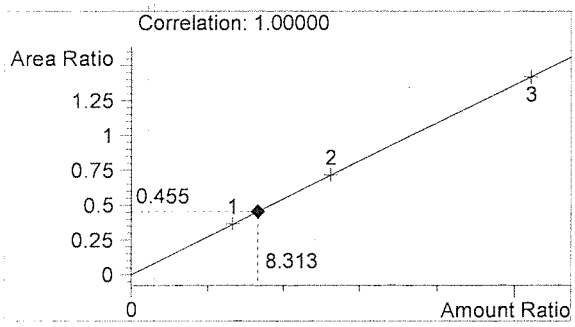
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/6/2015 6:08:57 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

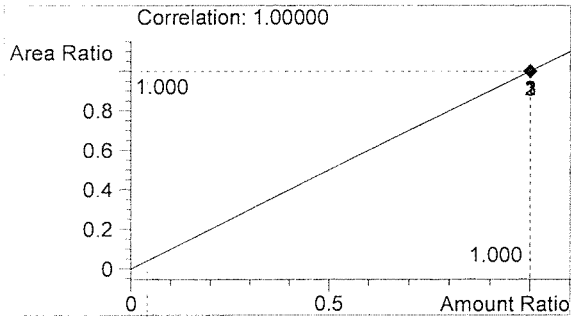
Sample Name: 0.10 CTRL - CJ
Operator: Chris Johnston
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	1080	1.036
2	n-Propanol	2375	1.700



Ethanol 0.100 g/100mL

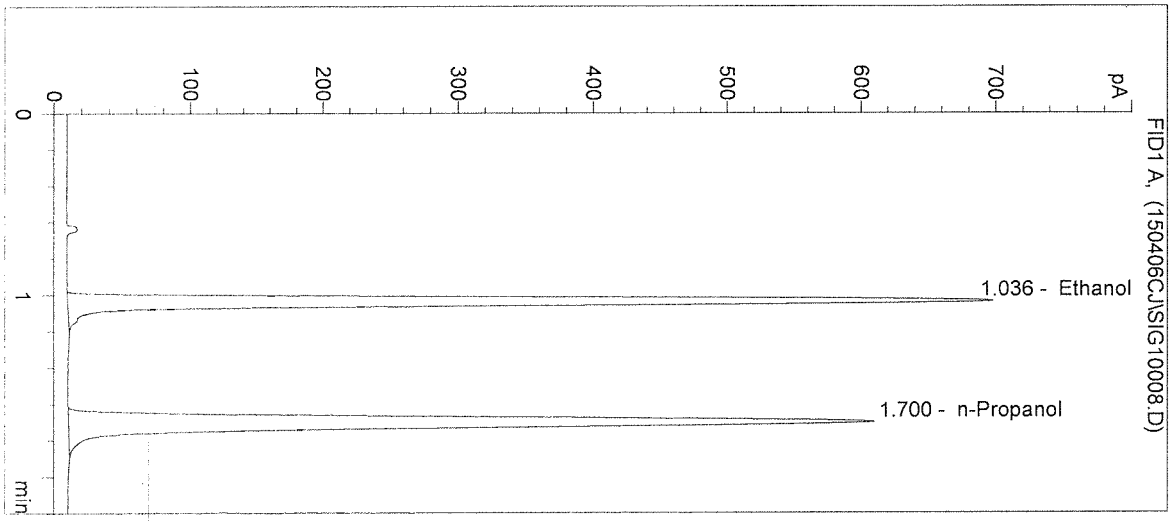


n-Propanol 0.012 g/100mL

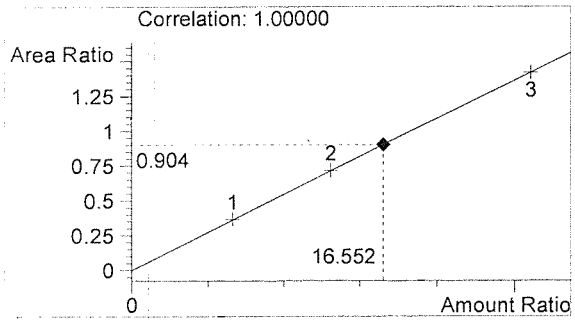
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/6/2015 6:12:10 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

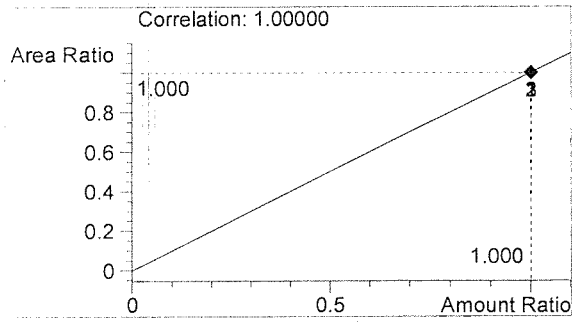
Sample Name: 0.20 CTRL - CJ
Operator: Chris Johnston
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	2121	1.036
2	n-Propanol	2347	1.700



Ethanol 0.199 g/100mL

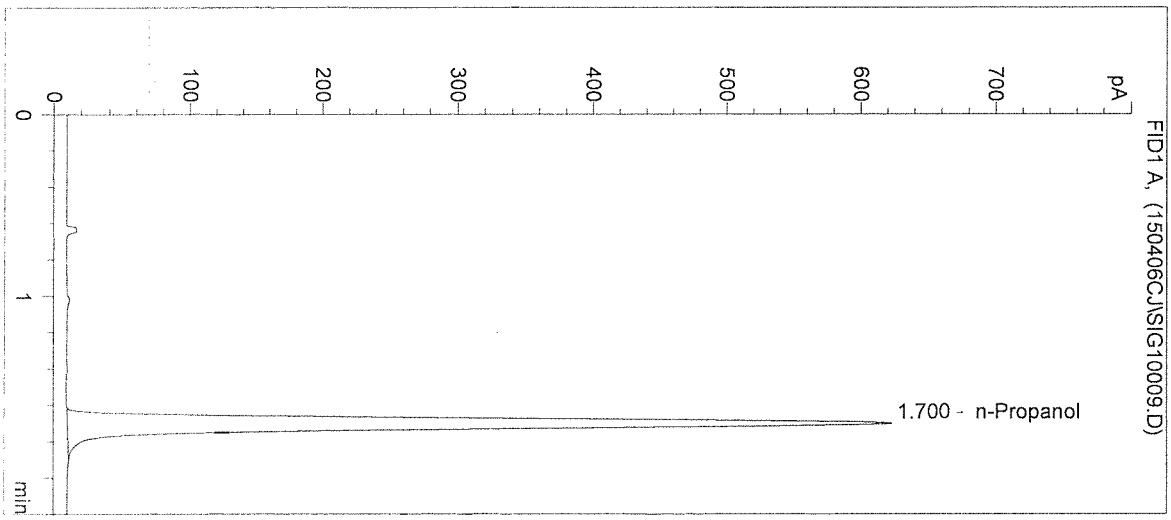


n-Propanol 0.012 g/100mL

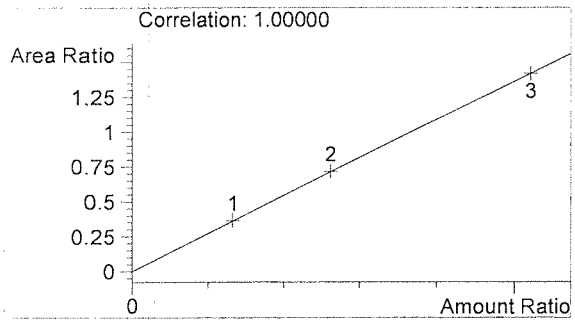
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/6/2015 6:15:24 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

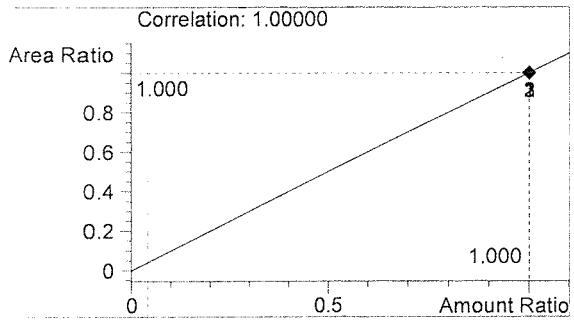
Sample Name: NEG CTRL - CJ
Operator: Chris Johnston
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2400	1.700



Ethanol 0.000 g/100mL

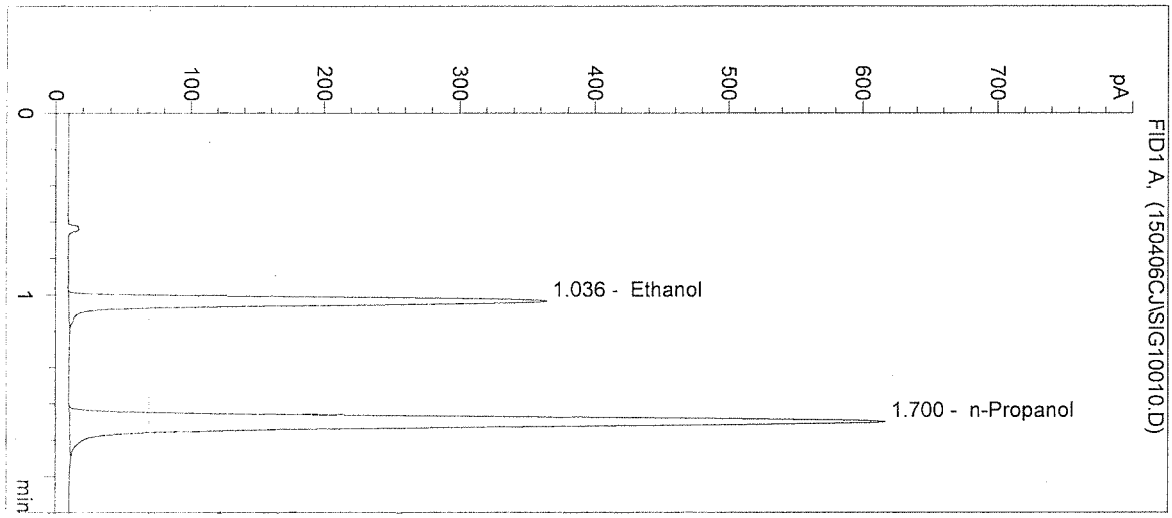


n-Propanol 0.012 g/100mL

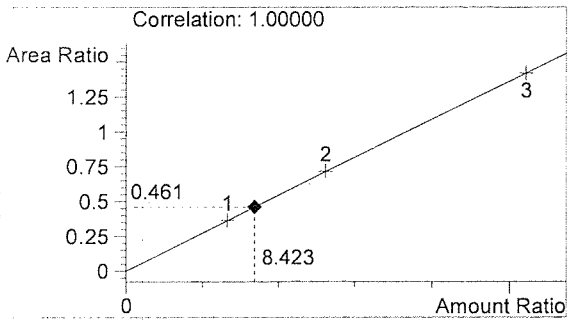
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/6/2015 6:18:37 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

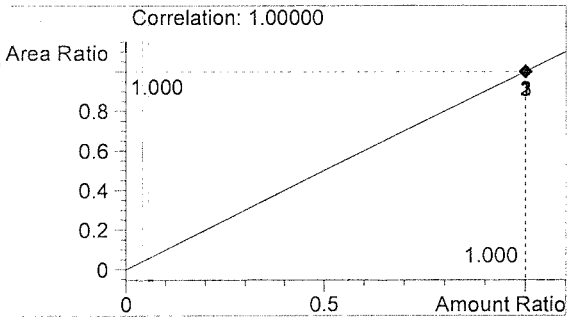
Sample Name: ESS 15023 #1
Operator: Chris Johnston
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	1093	1.036
2	n-Propanol	2372	1.700



Ethanol 0.101 g/100mL

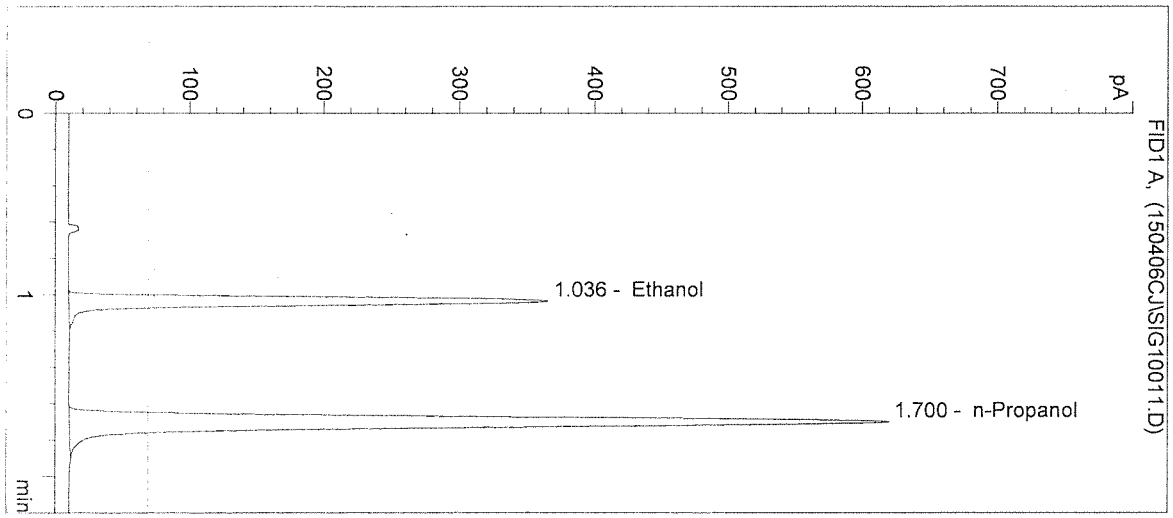


n-Propanol 0.012 g/100mL

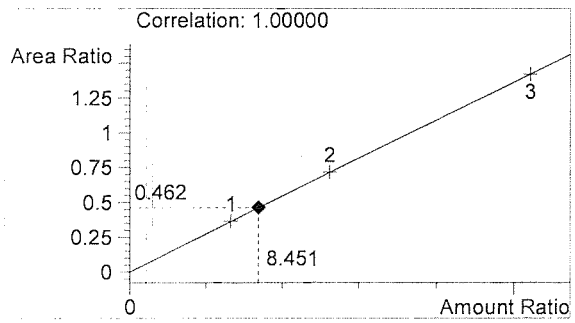
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/6/2015 6:21:50 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

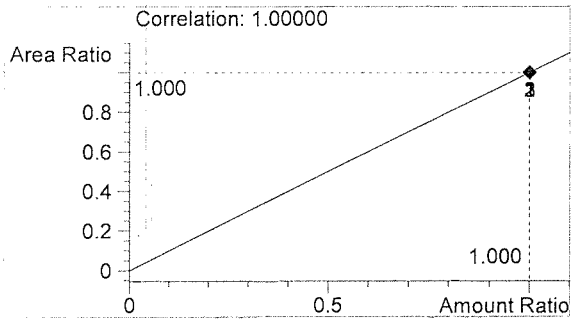
Sample Name: ESS 15023 #2
Operator: Chris Johnston
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	1108	1.036
2	n-Propanol	2396	1.700



Ethanol 0.101 g/100mL

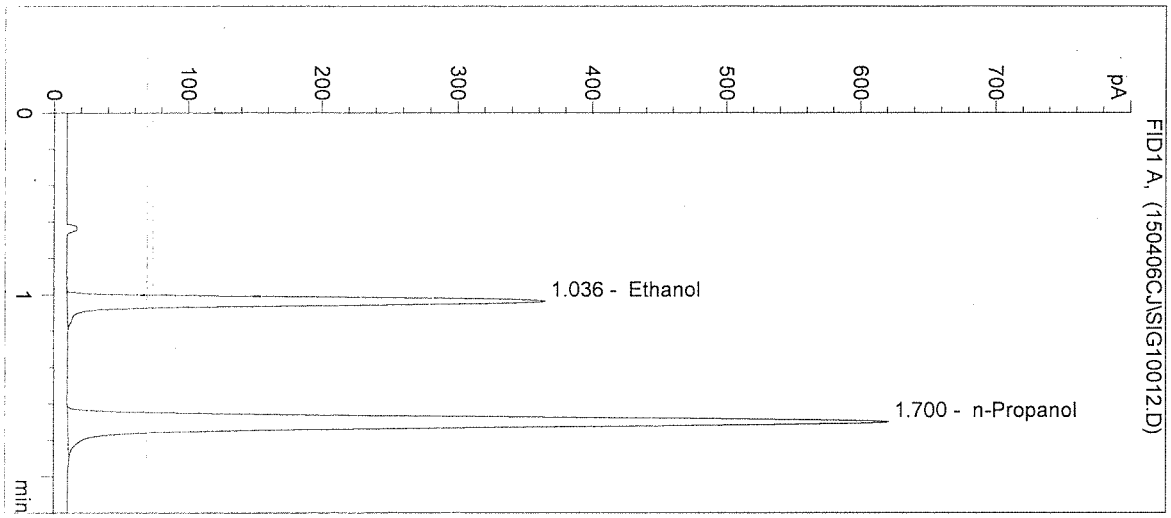


n-Propanol 0.012 g/100mL

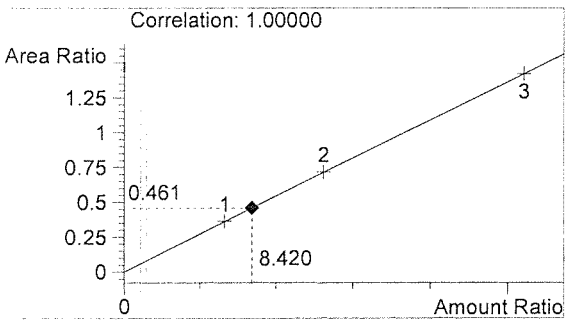
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/6/2015 6:25:03 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

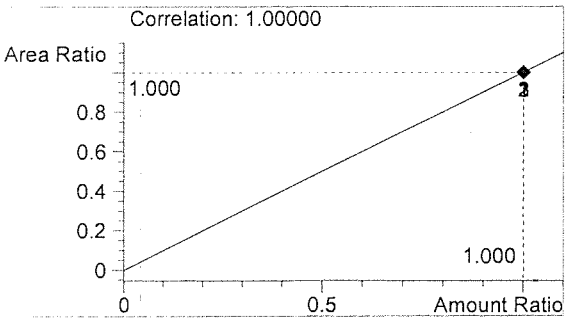
Sample Name: ESS 15023 #3
Operator: Chris Johnston
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	1105	1.036
2	n-Propanol	2400	1.700



Ethanol 0.101 g/100mL

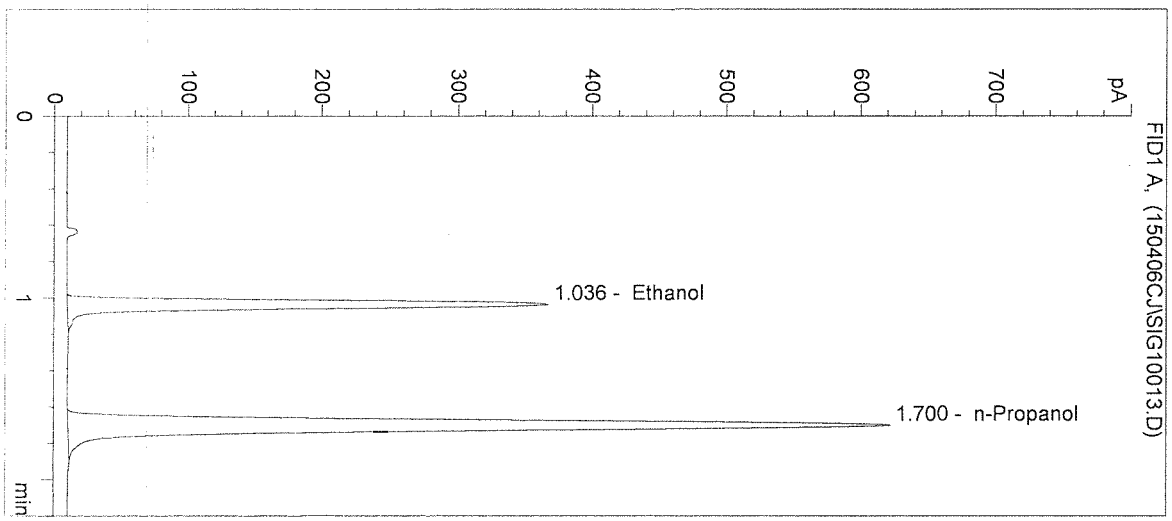


n-Propanol 0.012 g/100mL

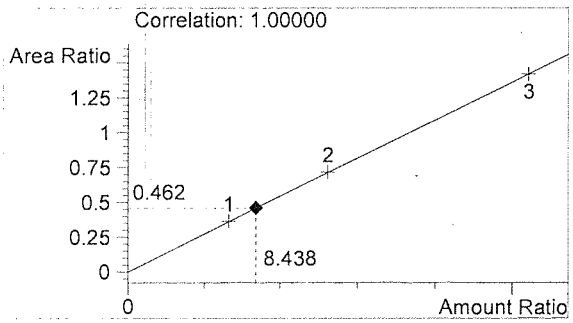
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/6/2015 6:28:17 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

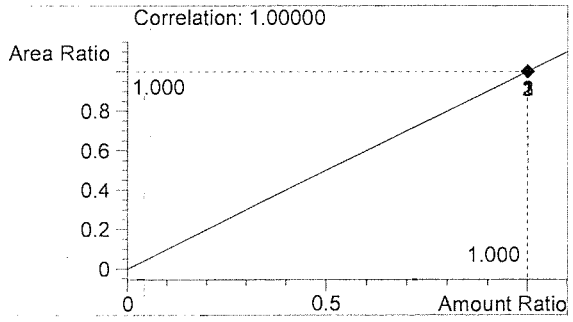
Sample Name: ESS 15023 #4
Operator: Chris Johnston
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	1110	1.036
2	n-Propanol	2405	1.700



Ethanol 0.101 g/100mL

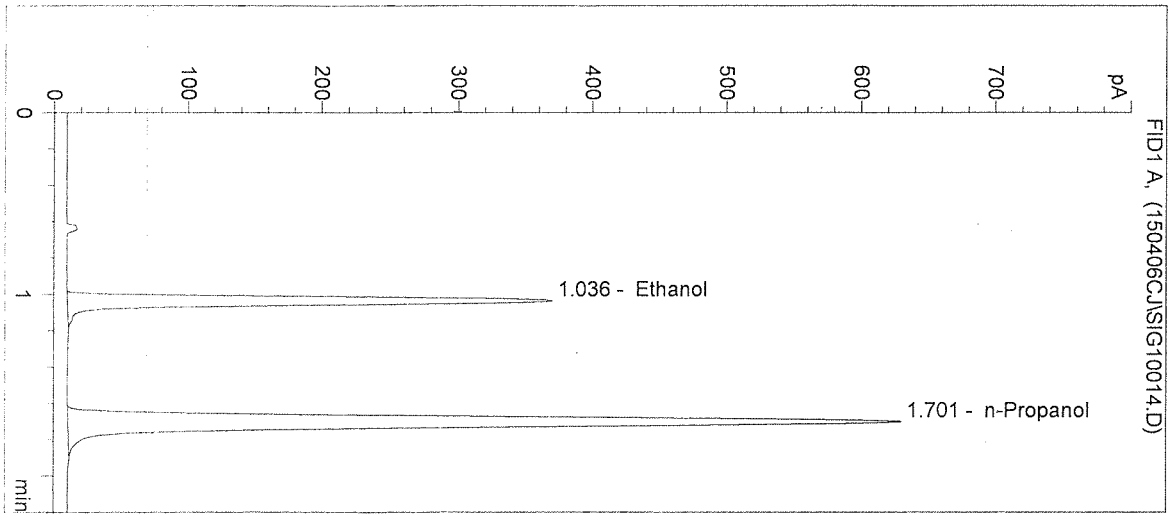


n-Propanol 0.012 g/100mL

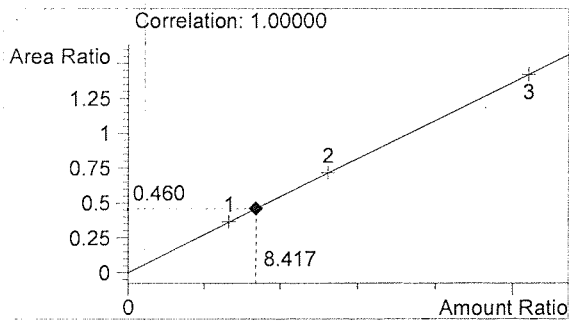
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/6/2015 6:31:30 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

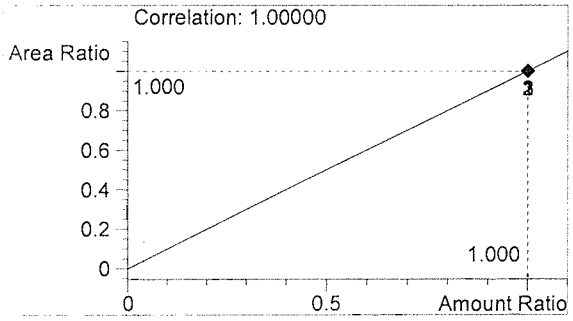
Sample Name: ESS 15023 #5
Operator: Chris Johnston
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	1119	1.036
2	n-Propanol	2430	1.701



Ethanol 0.101 g/100mL

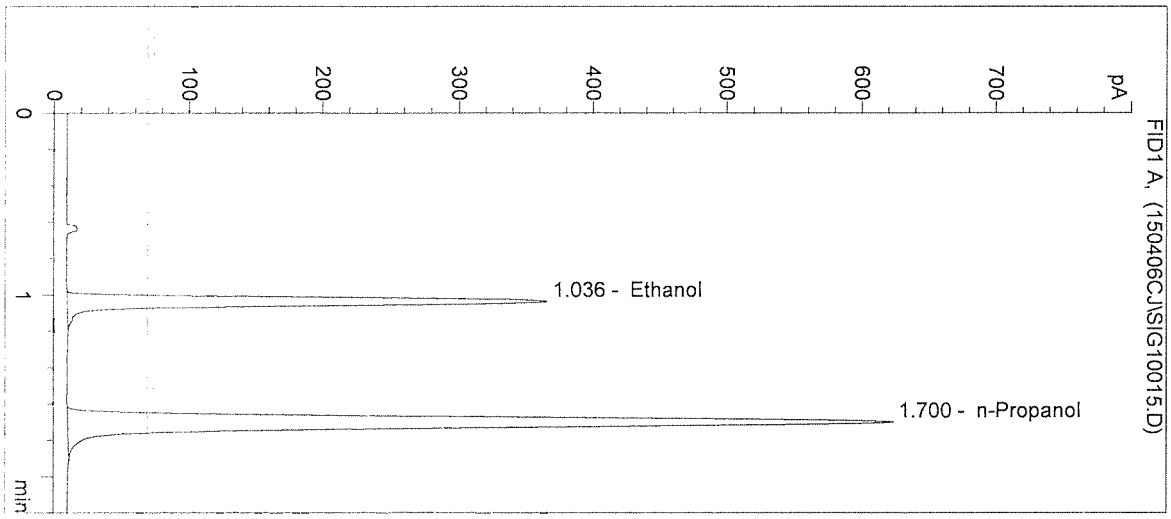


n-Propanol 0.012 g/100mL

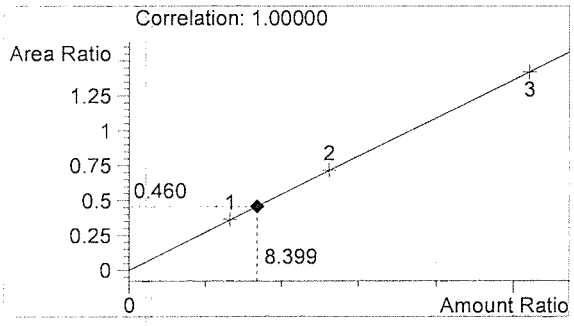
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/6/2015 6:34:43 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

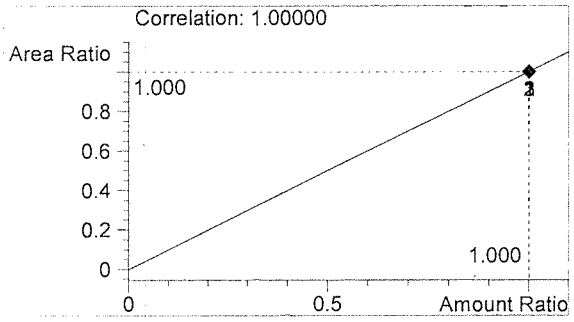
Sample Name: 0.10 CTRL - CJ
Operator: Chris Johnston
Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	1106	1.036
2	n-Propanol	2407	1.700



Ethanol 0.101 g/100mL

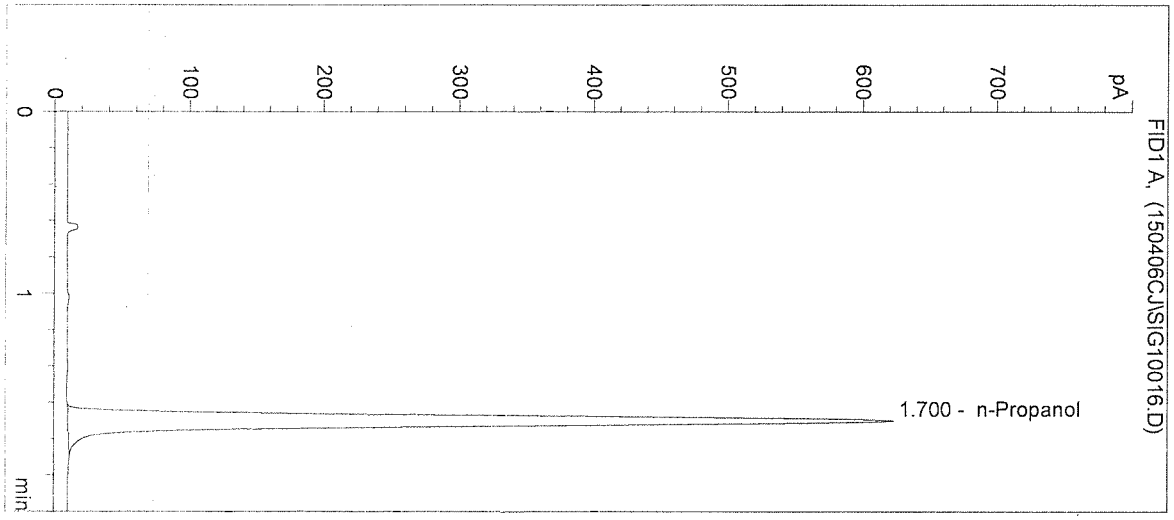


n-Propanol 0.012 g/100mL

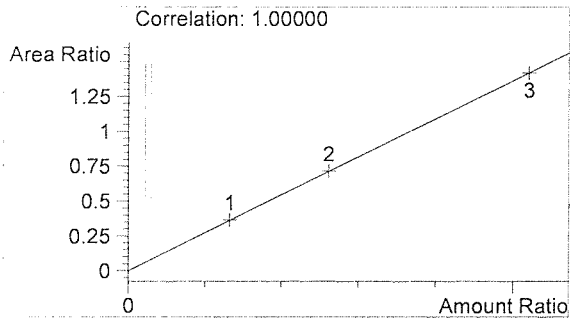
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/6/2015 6:37:56 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 15023

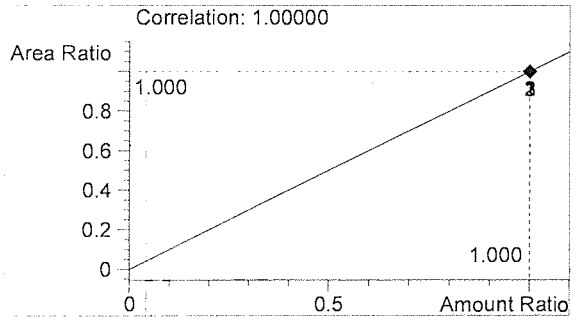
Sample Name: NEG CTRL - CJ
Operator: Chris Johnston
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2405	1.700



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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:	150410A1
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 e0315-01 exp 09/13/2015
cal 2 0.158 g/100mL e0315-02 exp 09/13/2015
cal 3 0.316 g/100mL e0315-03 exp 09/13/2015
0.04 control fn05011301 exp 05/2018
0.10 control fn08051301 exp 10/2018
0.20 control fn03211401 exp 06/2019
istd p0315exp 06/25/2015

calibration in file 15023

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	15023 #1	SIMALC1	1	Sample		
11	Vial 11	15023 #2	SIMALC1	1	Sample		
12	Vial 12	15023 #3	SIMALC1	1	Sample		
13	Vial 13	15023 #4	SIMALC1	1	Sample		
14	Vial 14	15023 #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	15024 #1	SIMALC1	1	Sample		
18	Vial 18	15024 #2	SIMALC1	1	Sample		
19	Vial 19	15024 #3	SIMALC1	1	Sample		
20	Vial 20	15024 #4	SIMALC1	1	Sample		
21	Vial 21	15024 #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		

15023
4/13/15

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!

15028
fn 4/13/15

AK 20150410
150410 A1

AK

Calibration Table

Calib. Data Modified : Friday, April 10, 2015 7:47:11 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
1.036	1	1	7.94500e-2	872.69049	9.10403e-5	1		Ethanol
		2	1.57190e-1	1713.26782	9.17486e-5			
		3	3.12390e-1	3426.25488	9.11754e-5			
1.700	1	1	1.20000e-2	2361.37915	5.08178e-6	I1		n-Propanol
		2	1.20000e-2	2356.65723	5.09196e-6			
		3	1.20000e-2	2385.31909	5.03077e-6			

Peak Sum Table

No Entries in table

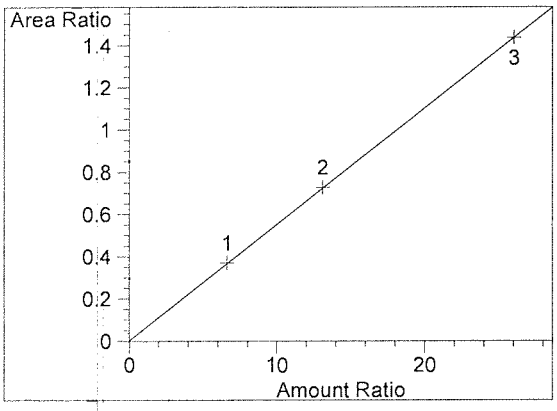
15023
fm 4/13/15

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

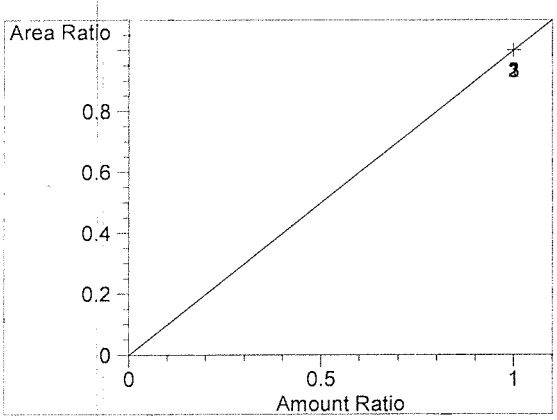
==========

Calibration Curves

==========



Ethanol at exp. RT: 1.036
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00295
Formula: y = mx + b
m: 5.51405e-2
b: 2.53423e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.700
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

==========

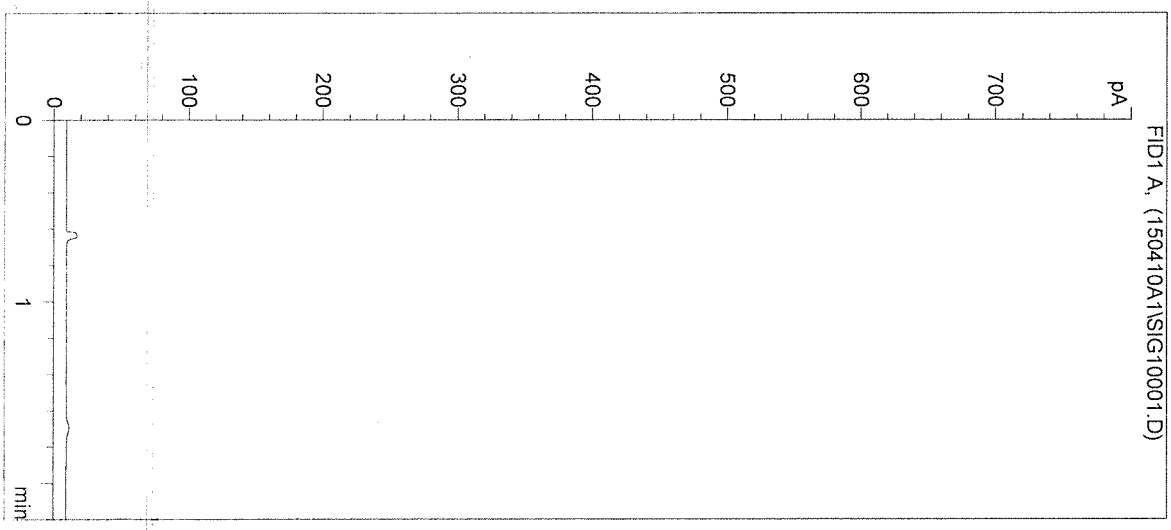
15023
fn 4/13/15

AL 20150410
150410a1
AL

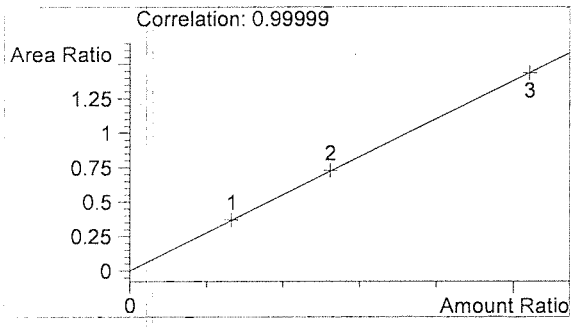
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/10/2015 7:35:06 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ess 15023

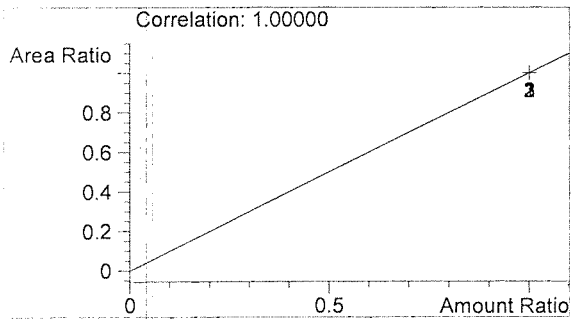
Sample Name: blank
Operator: asa louis
Location: Vial 1



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



Ethanol 0.000 g/100mL

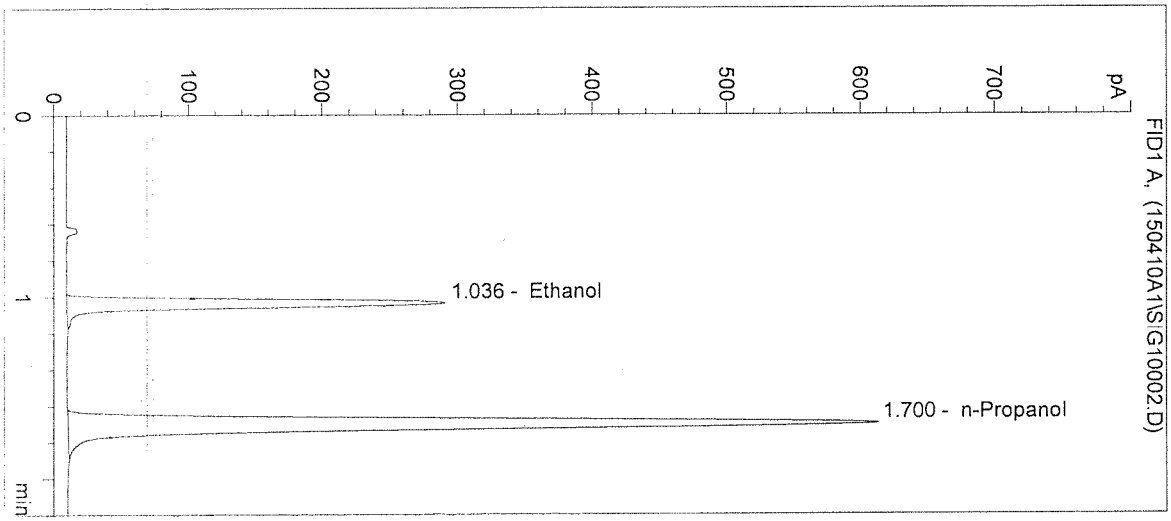


n-Propanol 0.000 g/100mL

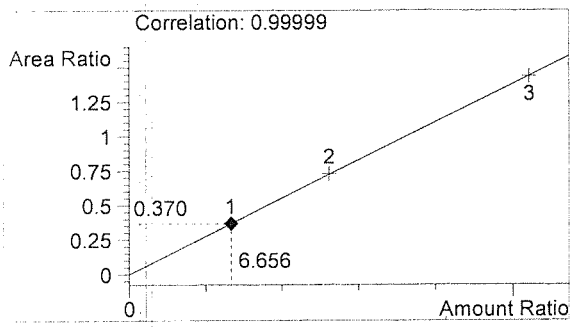
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/10/2015 7:38:23 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ess 15023

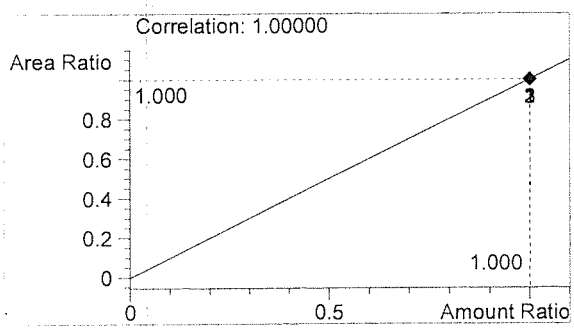
Sample Name: 0.079 cal 1
Operator: asa louis
Location: Vial 2



#	Compound	Peak Area	RT (min)
1	Ethanol	873	1.036
2	n-Propanol	2361	1.700



Ethanol 0.080 g/100mL

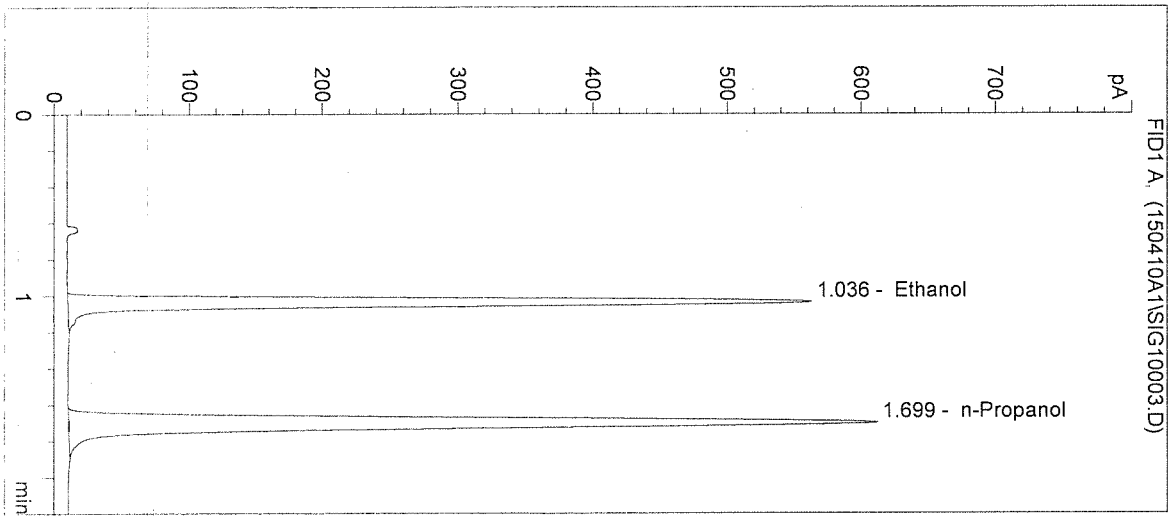


n-Propanol 0.012 g/100mL

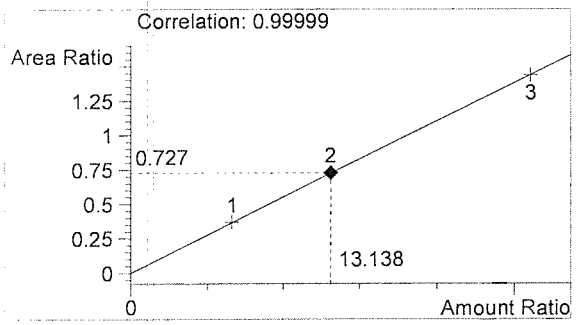
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/10/2015 7:41:41 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ess 15023

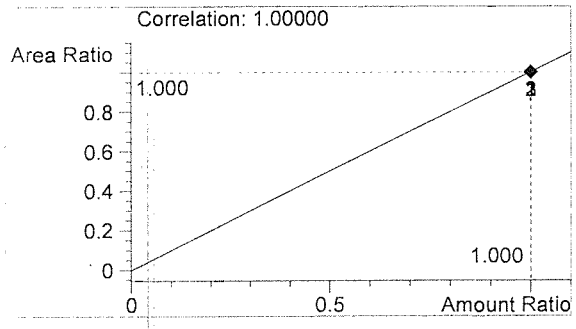
Sample Name: 0.158 cal 2
Operator: asa louis
Location: Vial 3



#	Compound	Peak Area	RT (min)
1	Ethanol	1713	1.036
2	n-Propanol	2357	1.699



Ethanol 0.158 g/100mL

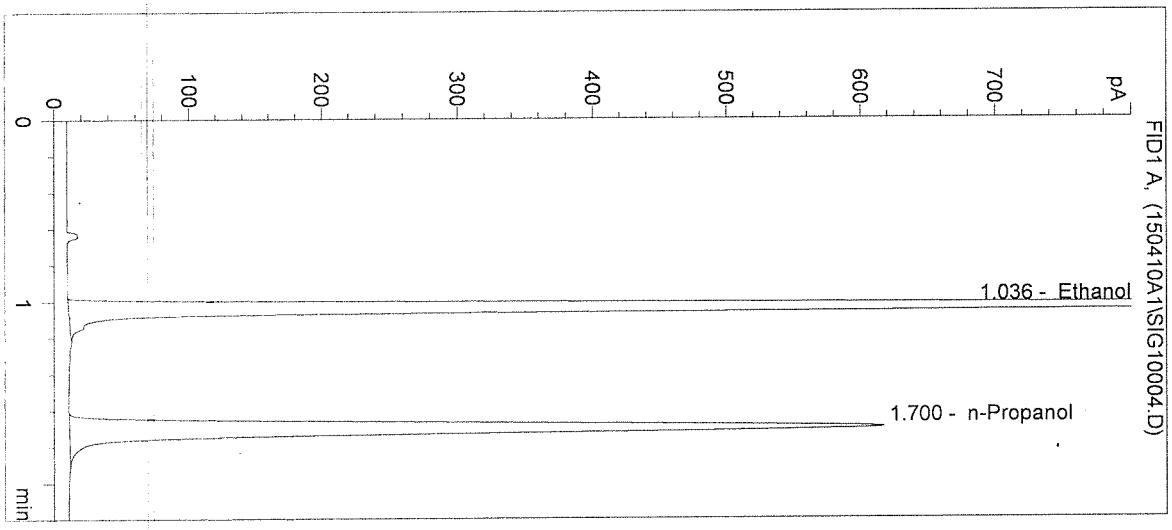


n-Propanol 0.012 g/100mL

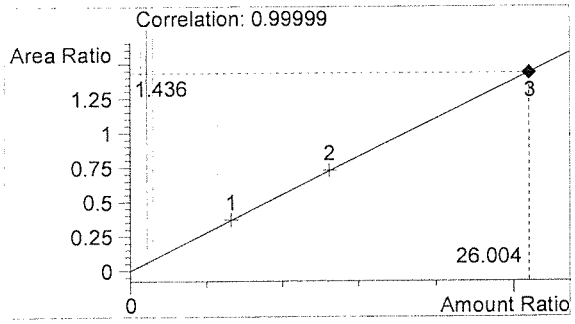
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/10/2015 7:44:58 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ess 15023

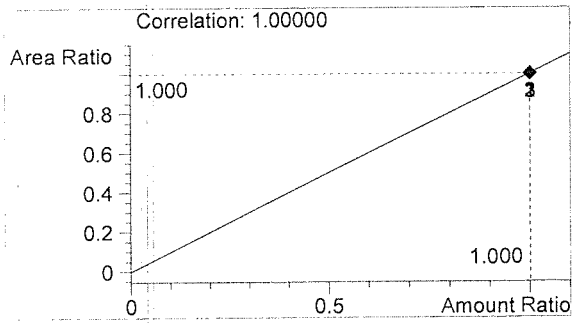
Sample Name: 0.316 cal 3
Operator: asa louis
Location: Vial 4



#	Compound	Peak Area	RT (min)
1	Ethanol	3426	1.036
2	n-Propanol	2385	1.700



Ethanol 0.312 g/100mL

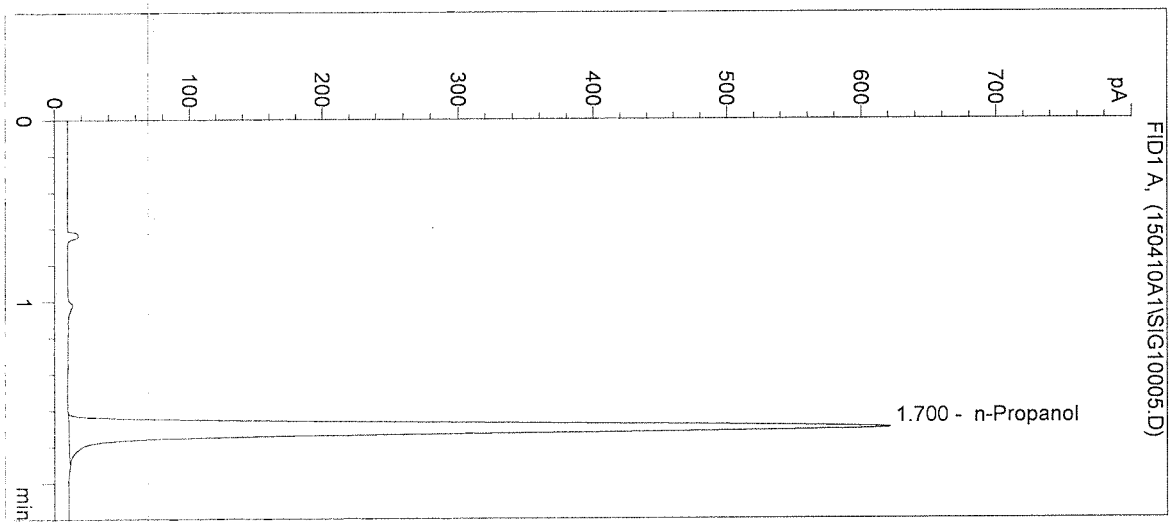


n-Propanol 0.012 g/100mL

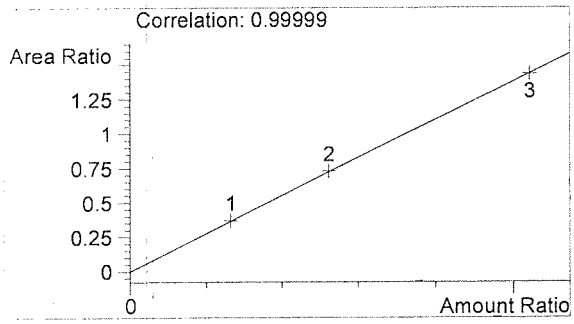
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/10/2015 7:48:10 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ess 15023

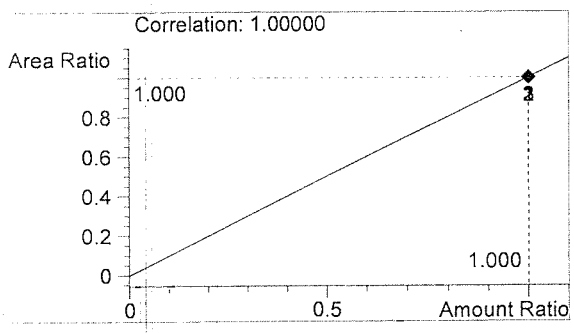
Sample Name: neg control - al
Operator: asa louis
Location: Vial 5



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2408	1.700



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\150410A1\SIG10005.D

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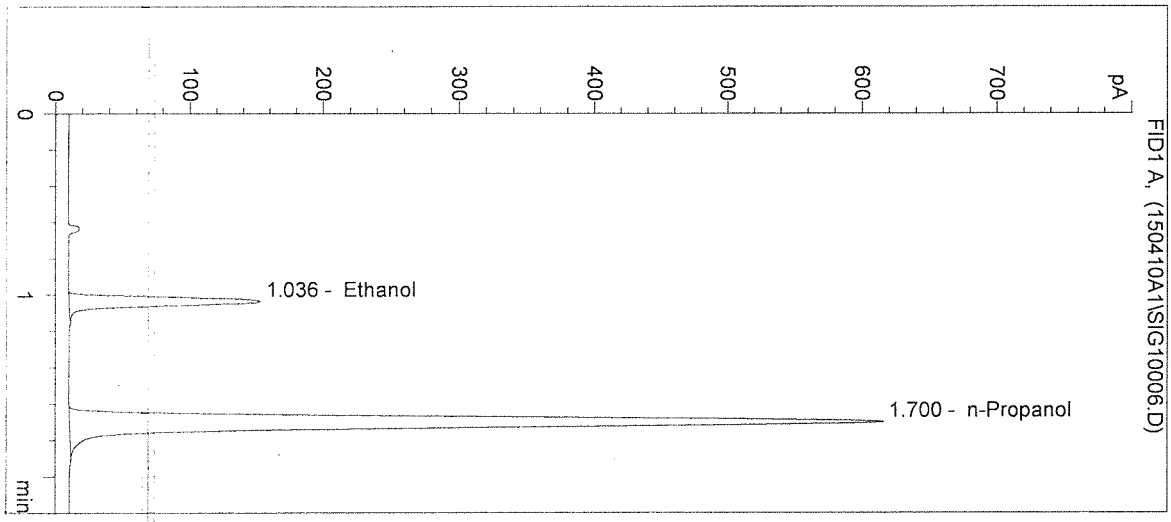
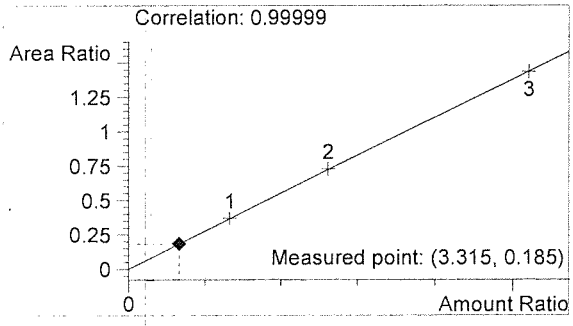
Inj. Date: 4/10/2015 7:51:23 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ess 15023

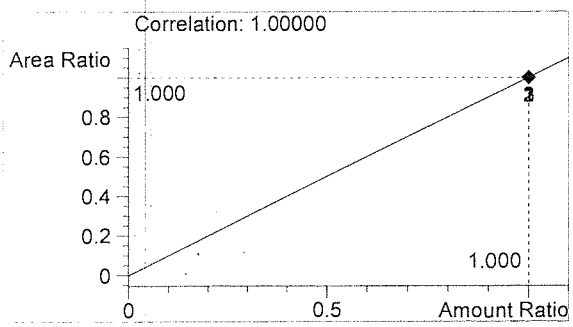
Sample Name: 0.04 ctrl al
Operator: asa louis
Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	441	1.036
2	n-Propanol	2378	1.700



Ethanol 0.040 g/100mL



n-Propanol 0.012 g/100mL

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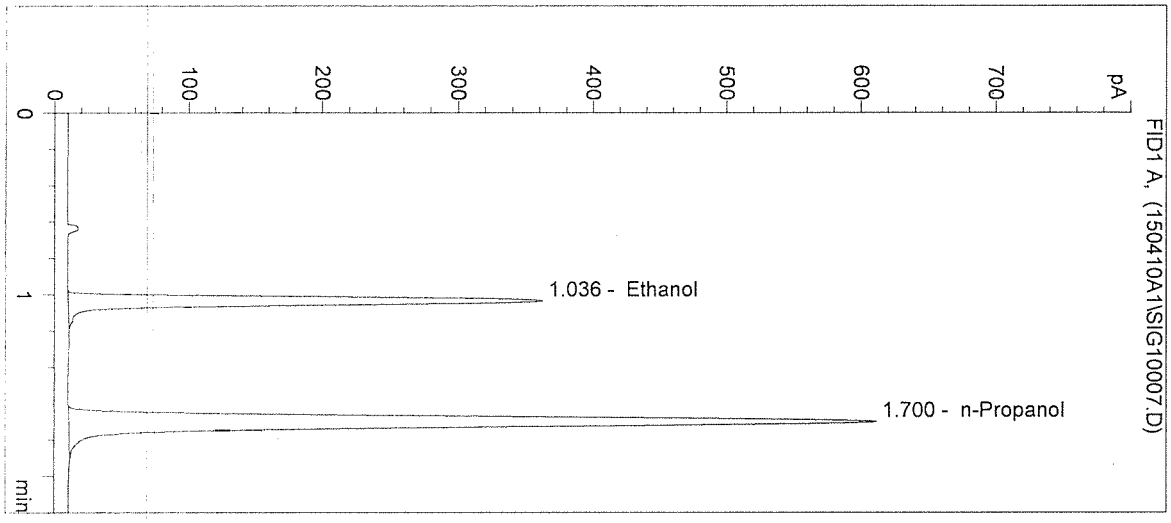
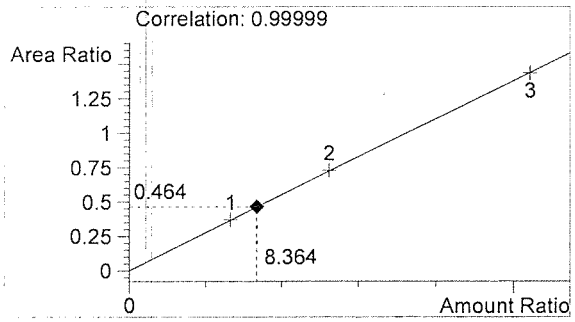
Inj. Date: 4/10/2015 7:54:36 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ess 15023

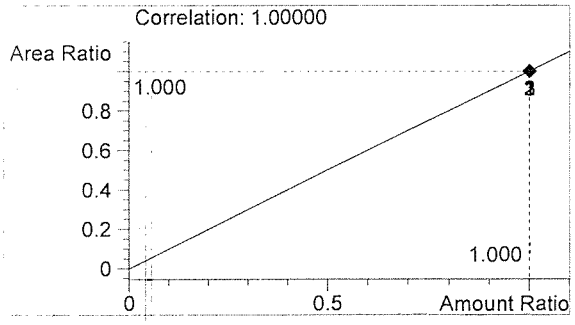
Sample Name: 0.10 ctrl al
Operator: asa louis
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	1092	1.036
2	n-Propanol	2355	1.700



Ethanol 0.100 g/100mL



n-Propanol 0.012 g/100mL

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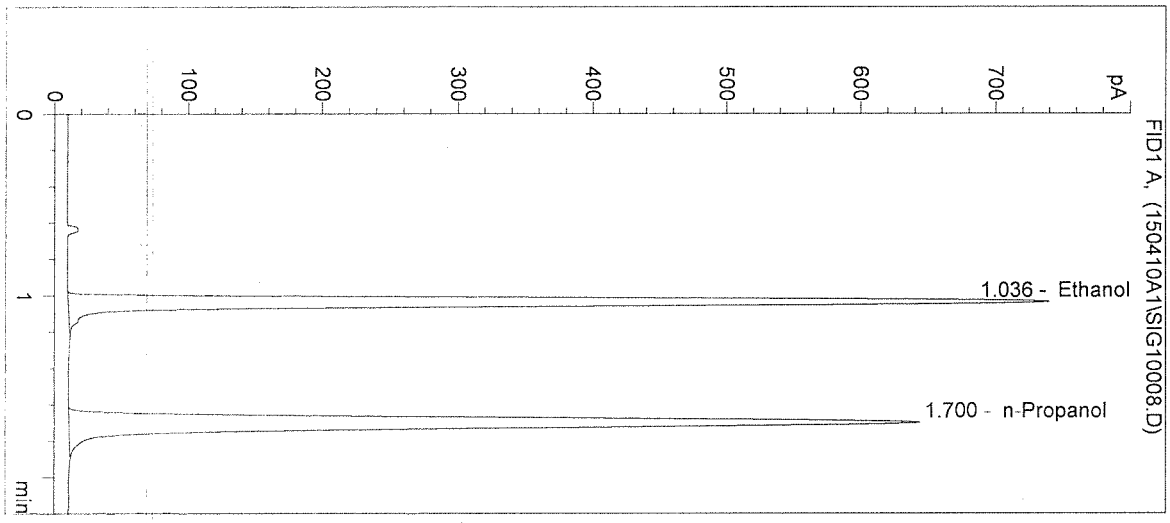
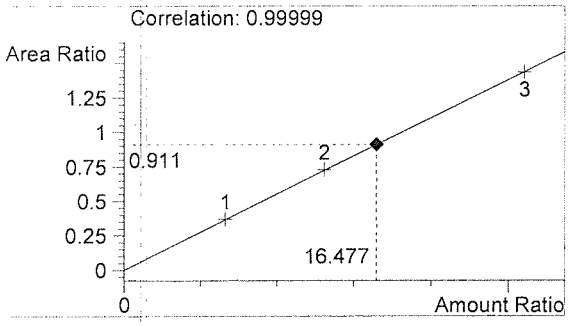
Inj. Date: 4/10/2015 7:57:49 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ess 15023

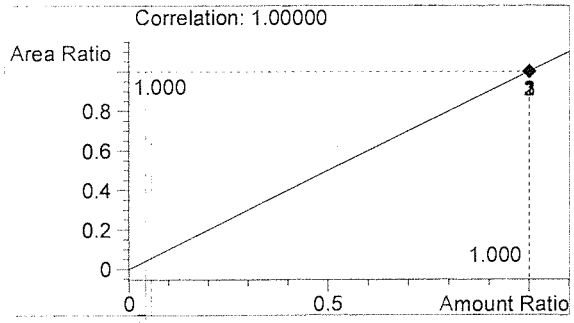
Sample Name: 0.20 ctrl al
Operator: asa louis
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	2254	1.036
2	n-Propanol	2474	1.700



Ethanol 0.198 g/100mL



n-Propanol 0.012 g/100mL

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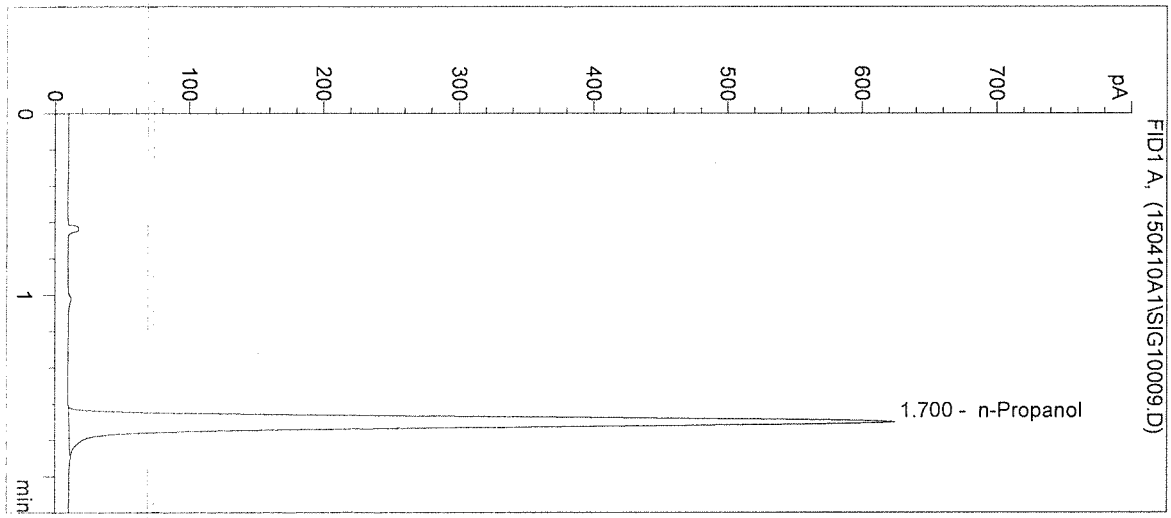
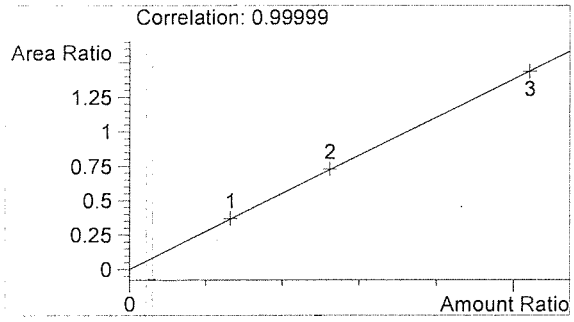
Inj. Date: 4/10/2015 8:01:03 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ess 15023

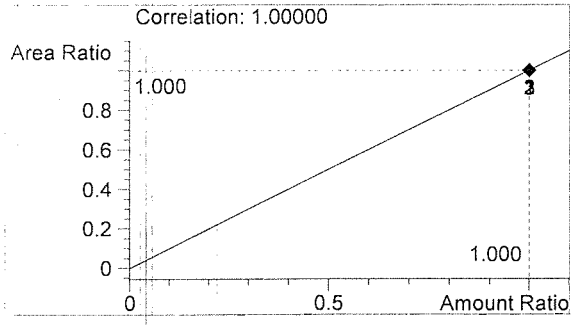
Sample Name: neg control - al
Operator: asa louis
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2402	1.700



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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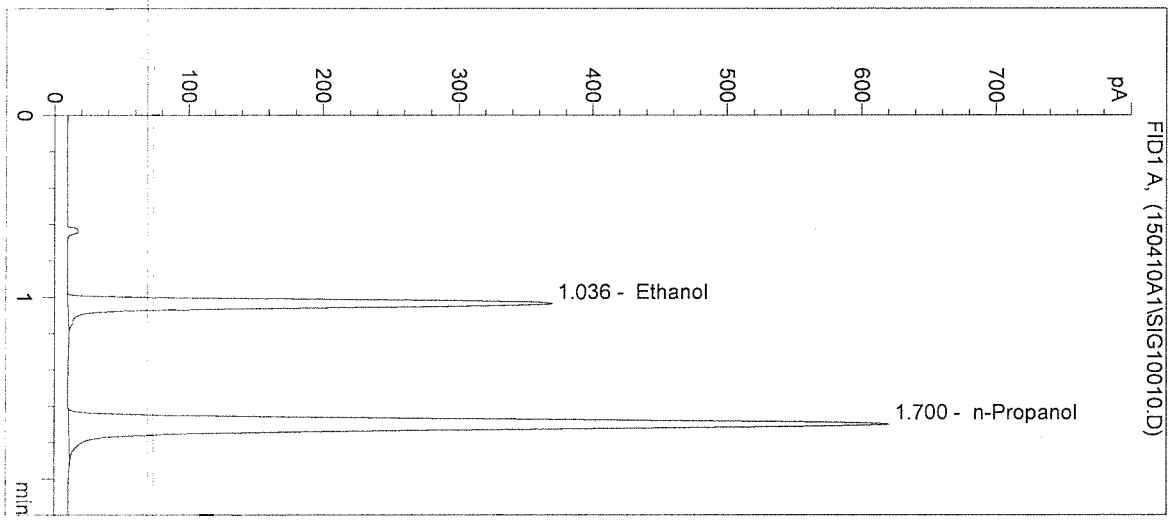
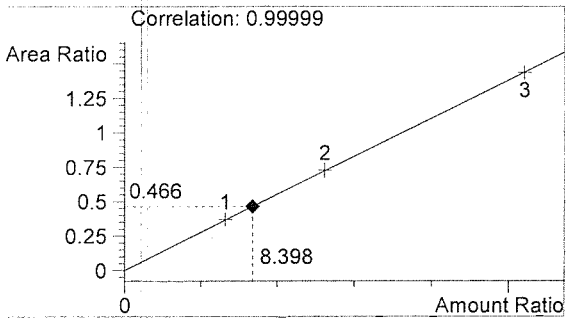
Inj. Date: 4/10/2015 8:04:16 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

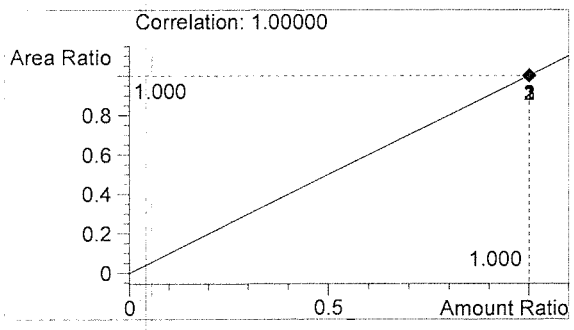
Sample Name: 15023 #1
Operator: asa louis
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	1113	1.036
2	n-Propanol	2389	1.700



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

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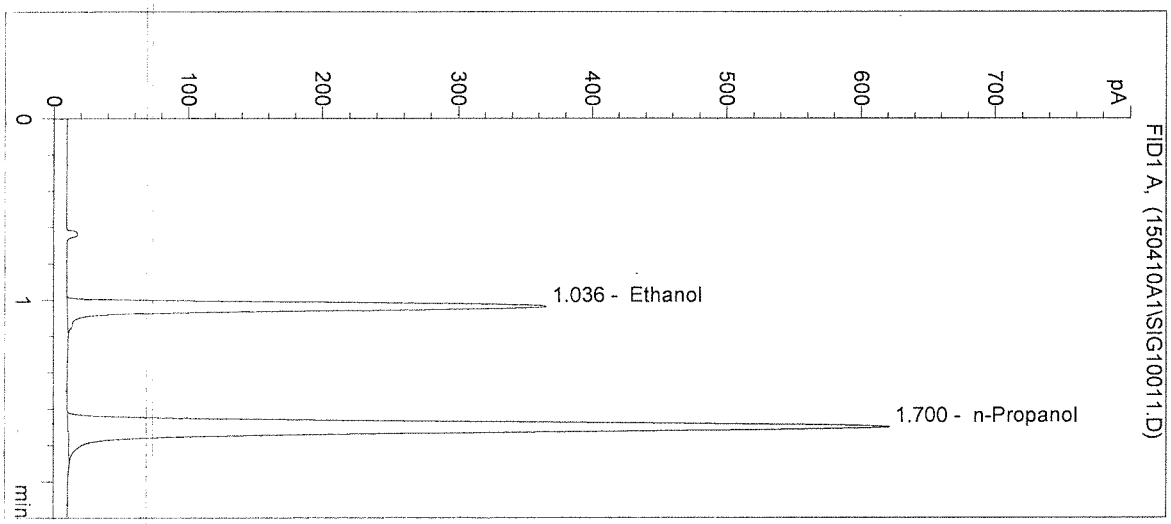
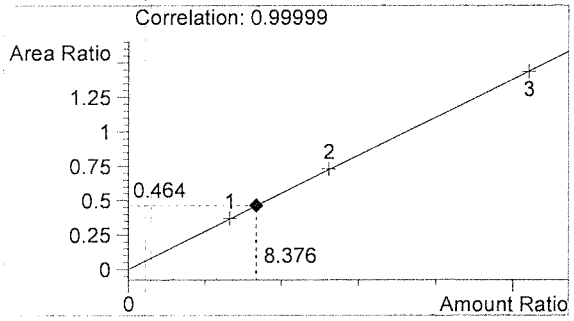
Inj. Date: 4/10/2015 8:07:29 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

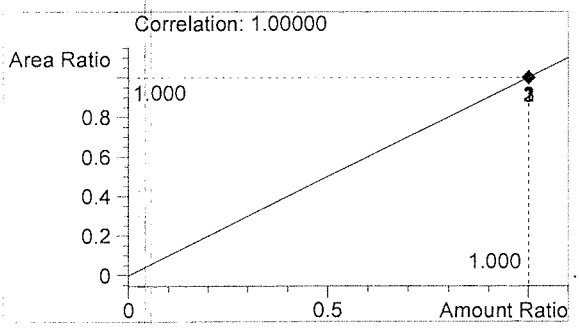
Sample Name: 15023 #2
Operator: asa louis
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	1117	1.036
2	n-Propanol	2405	1.700



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

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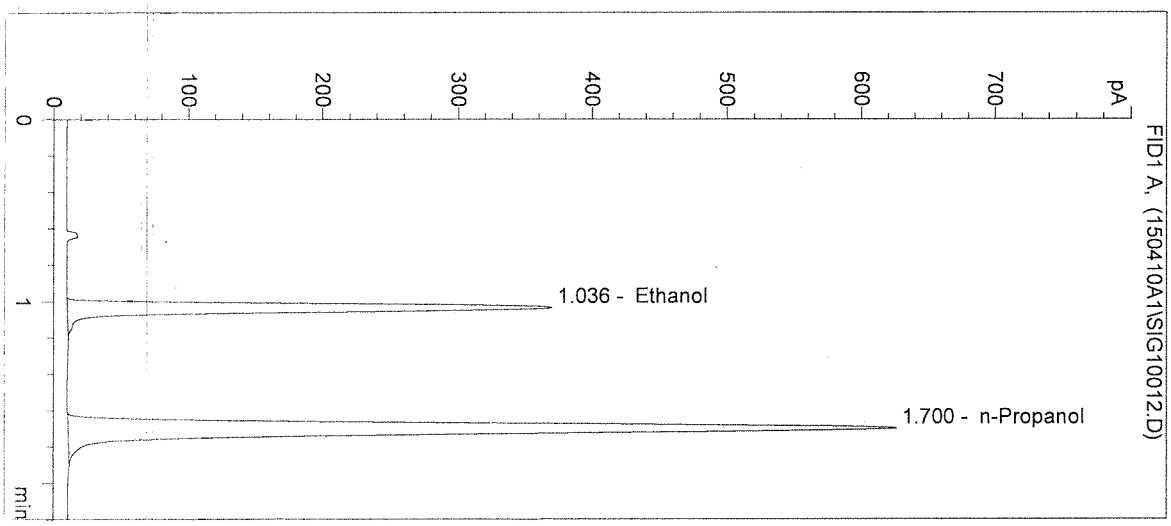
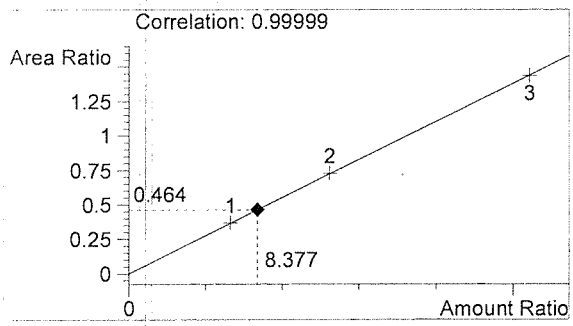
Inj. Date: 4/10/2015 8:10:42 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

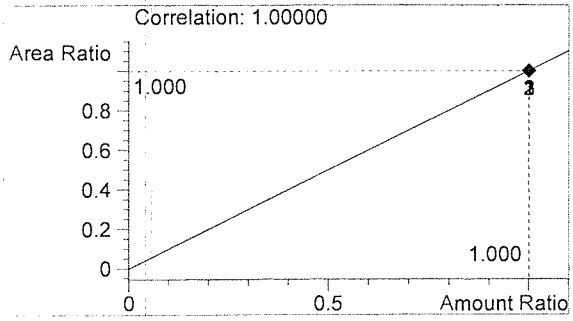
Sample Name: 15023 #3
Operator: asa louis
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	1123	1.036
2	n-Propanol	2418	1.700



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

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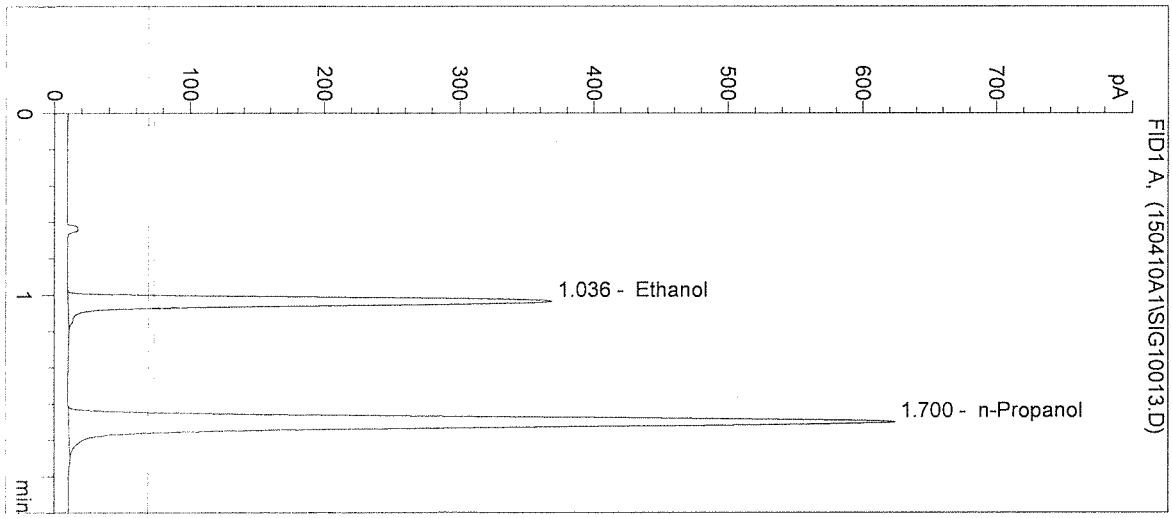
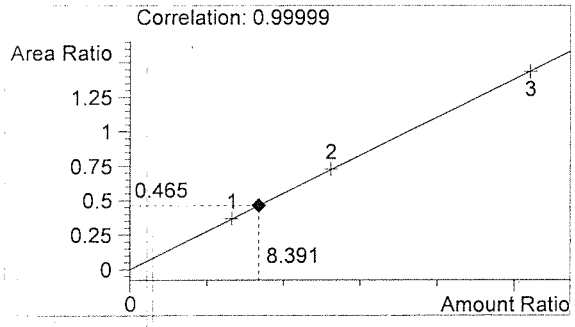
2203 Airport Way S Seattle, WA 98134

Inj. Date: 4/10/2015 8:13:56 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

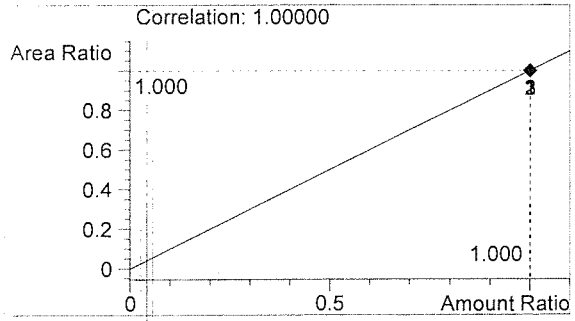
Sample Name: 15023 #4
Operator: asa louis
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	1125	1.036
2	n-Propanol	2419	1.700



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

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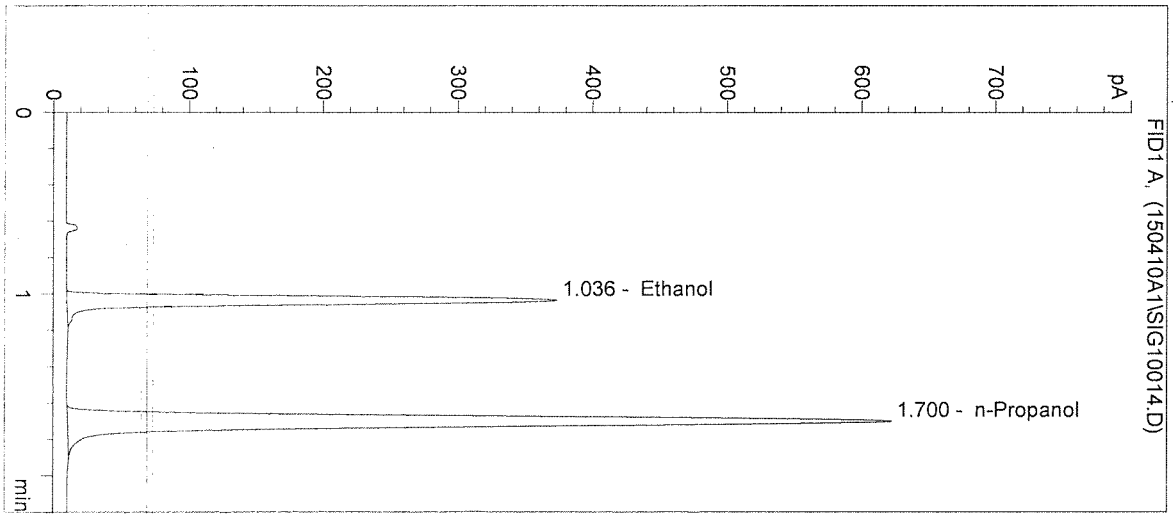
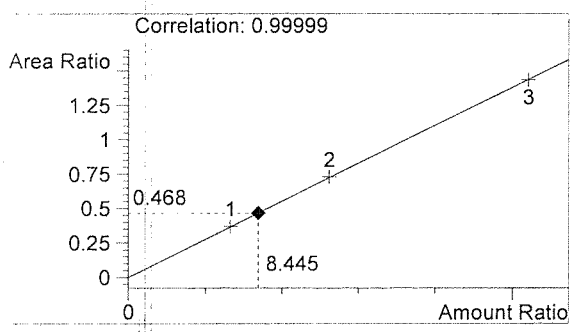
Inj. Date: 4/10/2015 8:17:09 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

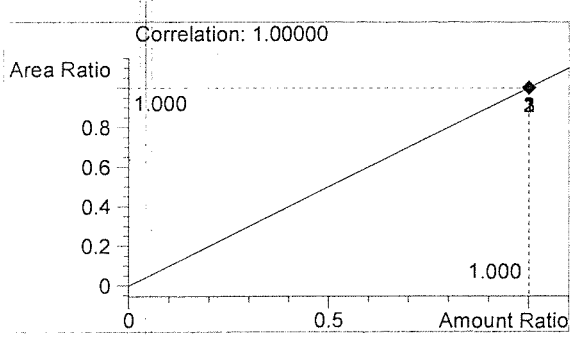
Sample Name: 15023 #5
Operator: asa louis
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	1122	1.036
2	n-Propanol	2395	1.700



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

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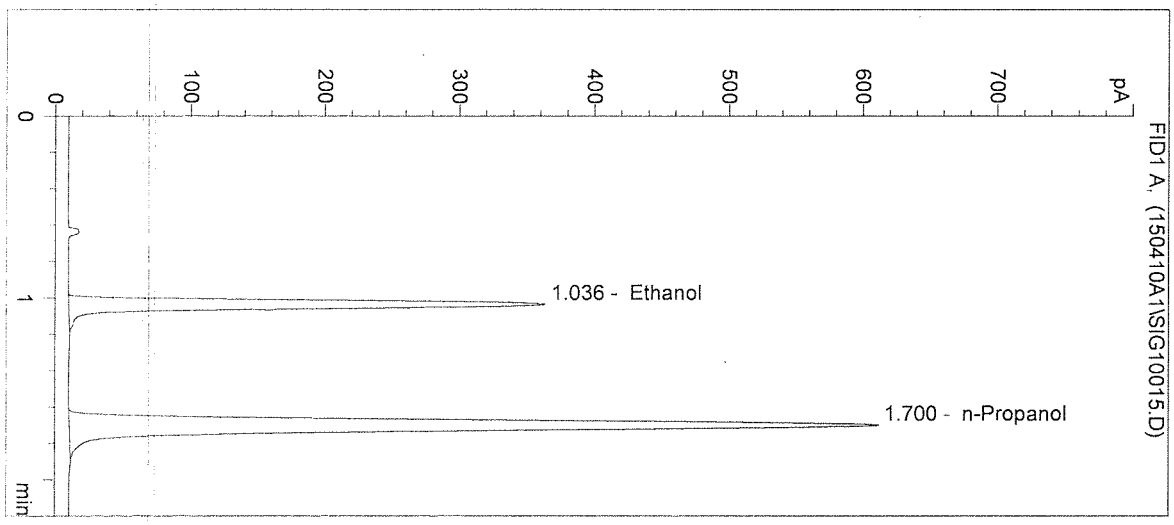
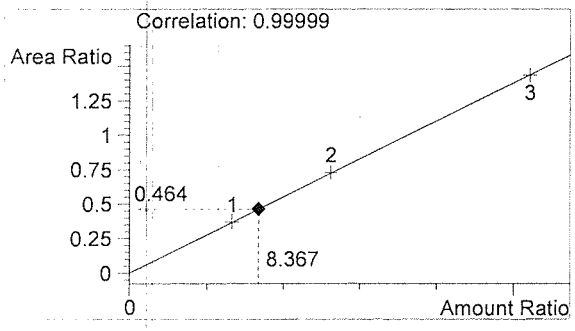
Inj. Date: 4/10/2015 8:20:22 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ess 15023

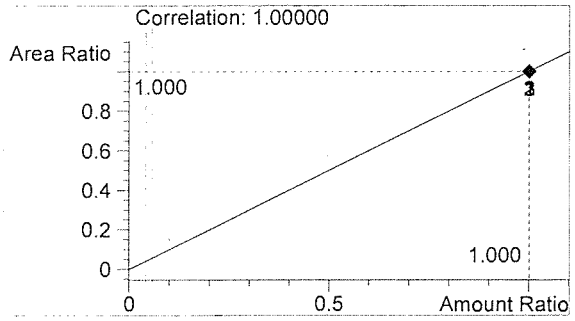
Sample Name: 0.10 ctrl al
Operator: asa louis
Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	1095	1.036
2	n-Propanol	2360	1.700



Ethanol 0.100 g/100mL



n-Propanol 0.012 g/100mL

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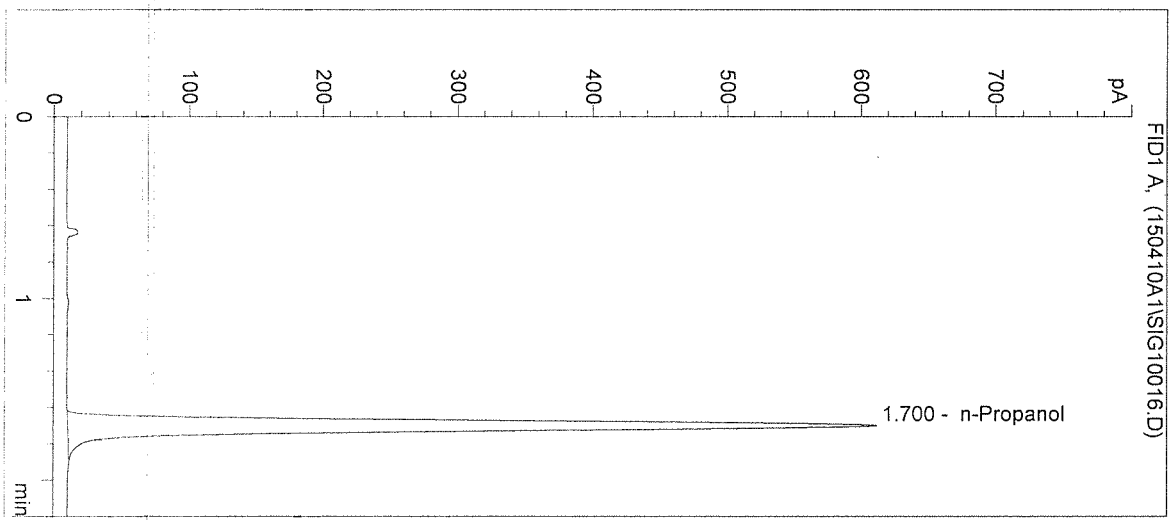
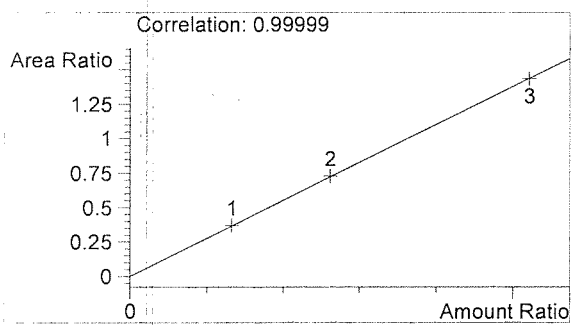
Inj. Date: 4/10/2015 8:23:36 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ess 15023

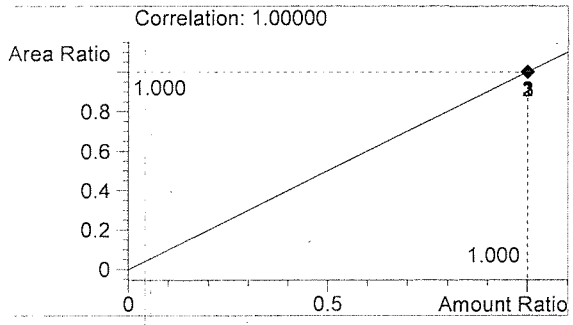
Sample Name: neg control - al
Operator: asa louis
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2354	1.700



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL