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

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

EXTERNAL STANDARD SOLUTION TEST REPORT

BATCH REPORT: 17044

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

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

TESTING ITEM INFORMATION
TARGET VAPOR CONCENTRATION: 0.08 g/210L
DATE PREPARED: 06/01/2017
BATCH UNITS: g/100mL
IDENTITY: External Standard Solution
PREPARED BY: Andrew Gingras

	AG	JLK	AJL	LK	KH	DCS	NN	DN
1	0.102	0.102	0.102	0.104	0.100	0.101	0.100	0.100
2	0.102	0.102	0.105	0.101	0.100	0.101	0.103	0.101
3	0.102	0.102	0.103	0.102	0.098	0.100	0.103	0.100
4	0.102	0.101	0.101	0.103	0.099	0.101	0.101	0.100
5	0.103	0.101	0.100	0.102	0.098	0.101	0.099	0.101
C	0.101	0.099	0.101	0.104	0.099	0.101	0.103	0.101

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

RESULTS OF TESTING
AVERAGE SOLUTION CONCENTRATION: 0.1012 g/100mL
STANDARD DEVIATION: 0.00149
PRECISION CV (%): 1.48
NUMBER OF TESTS: 40

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

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

Brittany Thomas — Forensic Scientist Supervisor — 7/18/17 DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
AG	Andrew Gingras		06/01/2017
JLK	Justin L. Knoy		06/21/2017
AJL	Asa J. Louis		06/23/2017
LK	Lyndsey Knoy		06/26/2017
KH	Katie Harris		06/27/2017
DCS	Dawn C. Sklerov		06/28/2017
NN	Naziha Nuwayhid		07/10/2017
DN	David Nguyen		07/13/2017

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

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda M. Black Date: 7-18-17

Location: WSP- FLSB Seattle, WA Solution Batch Number: 17044

	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: 7-18-17

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

External Standard Solution Batch #: 17044 **Date Prepared: 6/1/2017**

Analyst:	AG	JLK	AJL	LK	KH	DCS	NN	DN
Date Tested:	6/1/2017	6/21/2017	6/23/2017	6/26/2017	6/27/2017	6/28/2017	7/10/2017	7/13/2017
Instrument:	HSGC #1	HSGC #1	HSGC #1	HSGC #1	HSGC #1	HSGC #1	HSGC #1	HSGC #1
1	0.102	0.102	0.102	0.104	0.100	0.101	0.100	0.100
2	0.102	0.102	0.105	0.101	0.100	0.101	0.103	0.101
3	0.102	0.102	0.103	0.102	0.098	0.100	0.103	0.100
4	0.102	0.101	0.101	0.103	0.099	0.101	0.101	0.100
5	0.103	0.101	0.100	0.102	0.098	0.101	0.099	0.101
C	0.101	0.099	0.101	0.104	0.099	0.101	0.103	0.101

CV^2_{COA}	$CV^2_{Ext\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0002176478	0.0002916160	0.0001016326

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

Average Solution Concentration: 0.1012 g/100mL
Standard Deviation: 0.00149 g/100mL
Precision CV (%): 1.48
Equivalent Vapor Concentration: 0.0823 g/210L
Combined Standard Uncertainty (±): 0.0020 g/210L
Expanded Uncertainty (±): 0.0040 coverage factor (k) =2 (95.45% level of confidence)

Calculations performed by: Brittany Thomas (Brittany Thomas) 7/14/17
Name Signature Date

Calculations verified by: Amanda M. Black (signature) 7-18-17 Method: Hand calculation
Name Signature Date

Review of batch file performed by:

Brittany Thomas (Brittany Thomas) 7/14/17
Name Signature Date

Washington State Patrol Toxicology Laboratory Division

SOLUTION CERTIFICATE REVIEW

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

Please initial and date below to affirm that you have:

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

	Initials	Date
Amanda Chandler		
Andrew Gingras	AG	7/14/17
Asa Louis	AL	20170717
Brittany Thomas		
Christie Mitchell-Mata		
Christopher Johnston		
David Nguyen	DN	7/14/17
Dawn Sklerov	DGS	7·17·17
Elizabeth Wehner		
Justin Knoy	JK	7-14-17
Katie Harris	KH KH 7/18/17	7/18/17 KH 7/17/17
Lyndsey Knoy	~~KH~~	~~7/17/17~~ LK 7·18·17
Naziha Nuwayhid	NN	7.14.17
Rebecca Flaherty		

Batch # 17044 RT 7/14/17

JAY INSLEE
Governor

JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY
2203 Airport Way South, Suite 360 • Seattle, Washington 98134-2027 • (206) 262-6100 • FAX (206) 262-6145

0.08 g/210 L EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 17044

I, Andrew Gingras, do certify under penalty of perjury that:

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

I possess the following qualifications: BS degree in Cell and Molecular Biology and MS degree in Forensic Science.

The external standard solution (ESS), Lot Number 17044, was prepared in the Washington State Toxicology Laboratory on 6/1/2017. I tested this solution and it was found to conform to those standards established by the State Toxicologist for the certification of simulator solution. It shall not be used for evidential breath tests after 6/1/2018.

Seattle, WA

7/14/2017

Andrew Gingras — Date

Forensic Scientist

JAY INSLEE
Governor

JOHN R. BATISTE
Chief

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2203 Airport Way South, Suite 360 • Seattle, Washington 98134-2027 • (206) 262-6100 • FAX (206) 262-6145

0.08 g/210 L EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 17044

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, MS degree in Forensic Science, and am certified as a Diplomate in Forensic Toxicology by the American Board of Forensic Toxicology.

The external standard solution (ESS), Lot Number 17044, was prepared in the Washington State Toxicology Laboratory on 6/1/2017. I tested this solution and it was found to conform to those standards established by the State Toxicologist for the certification of simulator solution. It shall not be used for evidential breath tests after 6/1/2018.

Seattle, WA

7-14-17

Justin L. Knoy — Date
Forensic Toxicologist

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Governor

JOHN R. BATISTE
Chief

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0.08 g/210 L EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 17044

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.

The external standard solution (ESS), Lot Number 17044, was prepared in the Washington State Toxicology Laboratory on 6/1/2017. I tested this solution and it was found to conform to those standards established by the State Toxicologist for the certification of simulator solution. It shall not be used for evidential breath tests after 6/1/2018.

Seattle, WA

20170217

Asa J. Louis Date

Forensic Toxicologist

JAY INSLEE
Governor

JOHN R. BATISTE
Chief

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0.08 g/210 L EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 17044

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 17044, was prepared in the Washington State Toxicology Laboratory on 6/1/2017. I tested this solution and it was found to conform to those standards established by the State Toxicologist for the certification of simulator solution. It shall not be used for evidential breath tests after 6/1/2018.

Seattle, WA

Katie Harris 7/17/17

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 17044

I, Lyndsey Knoy, do certify under penalty of perjury that:

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

I possess the following qualifications: BS degree in Chemistry.

The external standard solution (ESS), Lot Number 17044, was prepared in the Washington State Toxicology Laboratory on 6/1/2017. I tested this solution and it was found to conform to those standards established by the State Toxicologist for the certification of simulator solution. It shall not be used for evidential breath tests after 6/1/2018.

Seattle, WA

Lyndsey Knoy 7.18.17

Lyndsey Knoy — Date
Forensic Scientist

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Governor

JOHN R. BATISTE
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0.08 g/210 L EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 17044

I, Dawn C. Sklerov, do certify under penalty of perjury that:

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

I possess the following qualifications: BS in Forensic Chemistry.

The external standard solution (ESS), Lot Number 17044, was prepared in the Washington State Toxicology Laboratory on 6/1/2017. I tested this solution and it was found to conform to those standards established by the State Toxicologist for the certification of simulator solution. It shall not be used for evidential breath tests after 6/1/2018.

Seattle, WA

Dawn C Sklerov 7/17/17

Dawn C. Sklerov Date
Forensic Toxicologist

JAY INSLEE
Governor

JOHN R. BATISTE
Chief

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0.08 g/210 L EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 17044

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

The external standard solution (ESS), Lot Number 17044, was prepared in the Washington State Toxicology Laboratory on 6/1/2017. I tested this solution and it was found to conform to those standards established by the State Toxicologist for the certification of simulator solution. It shall not be used for evidential breath tests after 6/1/2018.

Seattle, WA

7.14.17

Naziha Nuwayhid Date
Forensic Toxicologist

JAY INSLEE
Governor

JOHN R. BATISTE
Chief

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0.08 g/210 L EXTERNAL STANDARD SOLUTION CERTIFICATION FOR LOT 17044

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

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

I possess the following qualifications: BS degree in Chemistry.

The external standard solution (ESS), Lot Number 17044, was prepared in the Washington State Toxicology Laboratory on 6/1/2017. I tested this solution and it was found to conform to those standards established by the State Toxicologist for the certification of simulator solution. It shall not be used for evidential breath tests after 6/1/2018.

Seattle, WA

7/14/17

David Nguyen — Date

Forensic Scientist

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

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

Preparation Date: 6/1/2017 Expiration Date: 6/1/2018 Initials of Preparer: AG

Lot # of 200-proof Ethanol used in preparation: 2FE0139

Date the 200-proof Ethanol bottle was opened: 4/12/17

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	☑	17044

Stir bar is rotating ☑

Stirred for minimum 30 minutes; 2 hours for ESS ☑

Spigot purged ☑

Aliquot taken ☑

Batch labeled, packaged and sealed ☑ 6/1/17 Date

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

Comments:

Analyst Signature 6/1/2017 Date BT

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

Sequence Parameters:

Operator:	Andrew Gingras
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	170601AG
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E0217-01 - Exp. 08/21/17
Ethanol Calibrator 2, E0217-02 - Exp. 08/21/17
Ethanol Calibrator 3, E0217-03 - Exp. 08/21/17

0.04 Control - Lot #FN12181501 - Exp. 12/2020
0.10 Control - Lot #FN08051301 - Exp. 10/2018
0.20 Control - Lot #~~FN08101501~~ FN08101505 - Exp. 2/2021

ISTD Lot#P0517 - Exp. 08/18/2017

Diluter #1 7/14/17

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC1	1	Calib		
5	Vial 5	Negative Control	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 Ctrl	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 Ctrl	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 Ctrl	SIMALC1	1	Ctrl Samp		
9	Vial 9	Negative Control	SIMALC1	1	Ctrl Samp		
10	Vial 10	17044 #1	SIMALC1	1	Sample		
11	Vial 11	17044 #2	SIMALC1	1	Sample		
12	Vial 12	17044 #3	SIMALC1	1	Sample		
13	Vial 13	17044 #4	SIMALC1	1	Sample		
14	Vial 14	17044 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 Ctrl	SIMALC1	1	Ctrl Samp		
16	Vial 16	Negative Control	SIMALC1	1	Ctrl Samp		

17044
BT
7/14/17

Calibration Part:

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

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

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
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!

17044

BA 7/14/17

Calibration Table

Calib. Data Modified : Thursday, June 01, 2017 10:12:07 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
1.086	1	1	7.91500e-2	966.57147	8.18874e-5	1		Ethanol
		2	1.58300e-1	1901.55640	8.32476e-5			
		3	3.19520e-1	3949.31079	8.09053e-5			
1.765	1	1	1.20000e-2	2797.53296	4.28949e-6	I1		n-Propanol
		2	1.20000e-2	2754.71265	4.35617e-6			
		3	1.20000e-2	2873.79565	4.17566e-6			

Peak Sum Table

No Entries in table

17044
BJT 7/14/17

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Calibration Curves

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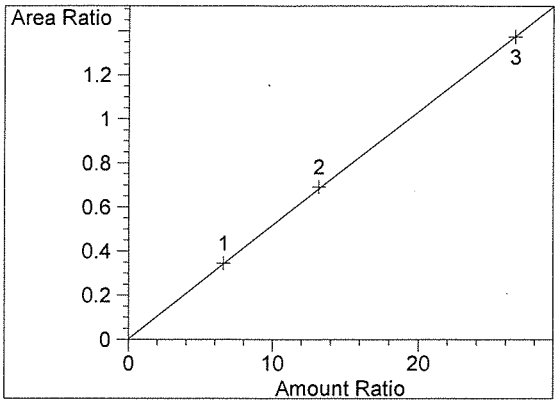
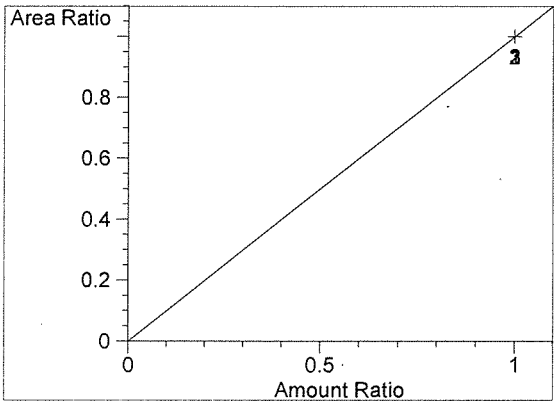


Ethanol at exp. RT: 1.086
FID1 A,
Correlation: 0.99997
Residual Std. Dev.: 0.00557
Formula: y = mx + b
m: 5.15848e-2
b: 3.94631e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.765
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

==========

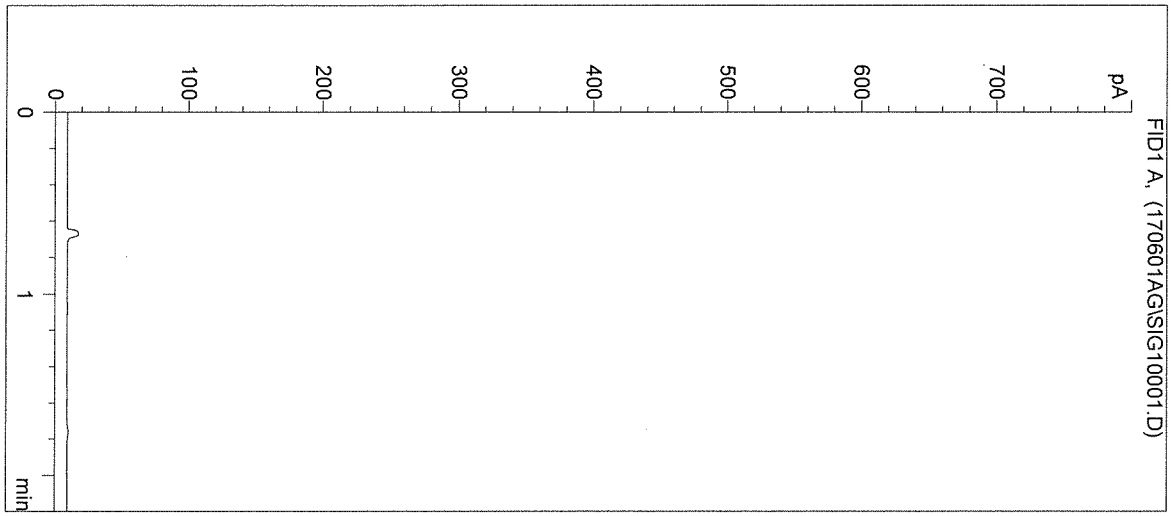
17044

BT 7/14/17

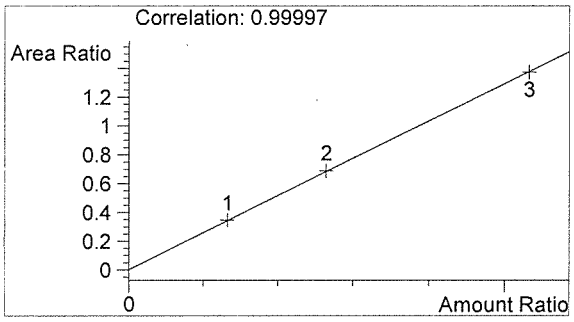
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/1/2017 10:00:01 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

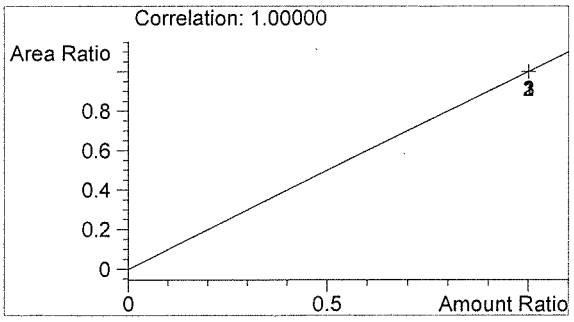
Sample Name: BLANK
Operator: Andrew Gingras
Location: Vial 1



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



Ethanol 0.000 g/100mL



n-Propanol 0.000 g/100mL

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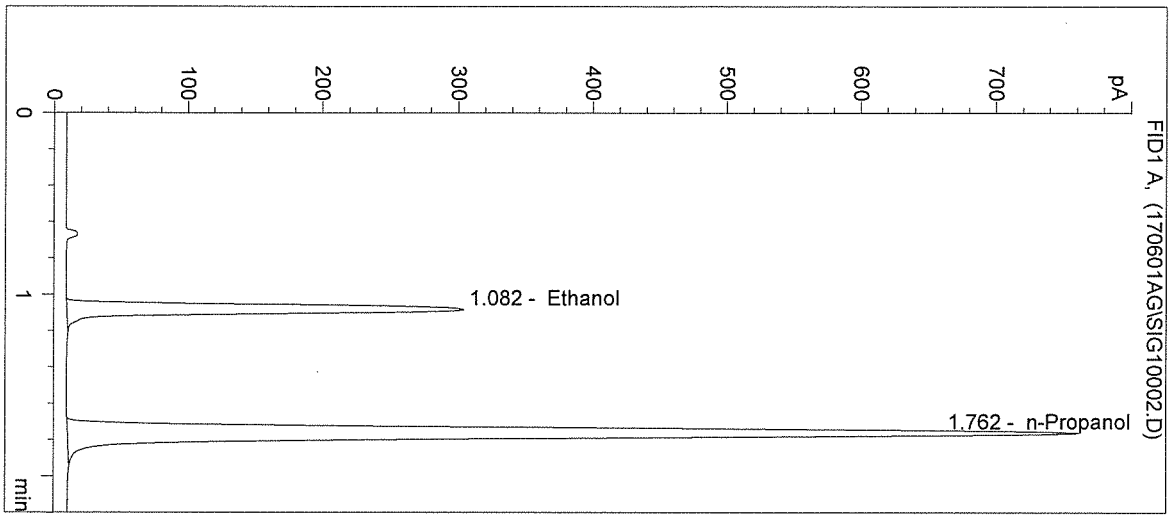
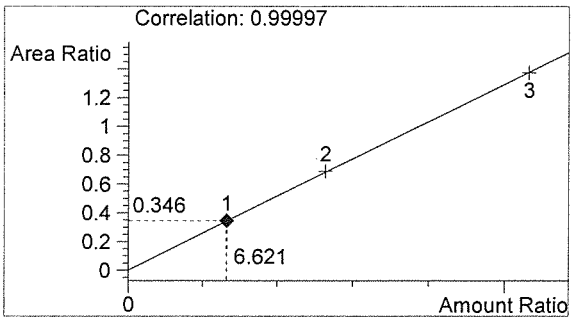
Inj. Date: 6/1/2017 10:03:19 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

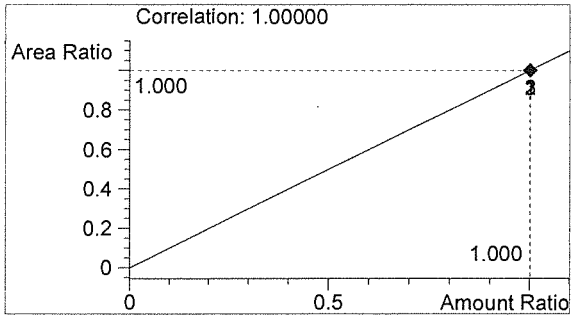
Sample Name: 0.079 CAL 1
Operator: Andrew Gingras
Location: Vial 2



#	Compound	Peak Area	RT (min)
1	Ethanol	967	1.082
2	n-Propanol	2798	1.762



Ethanol 0.079 g/100mL

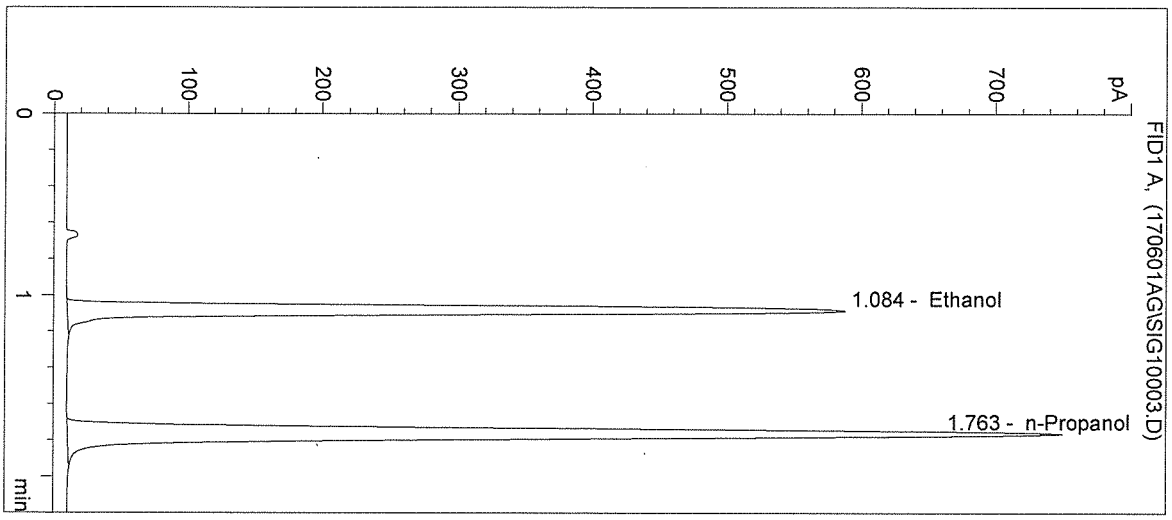


n-Propanol 0.012 g/100mL

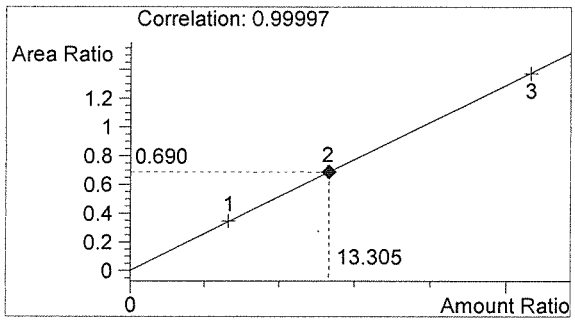
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/1/2017 10:06:36 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

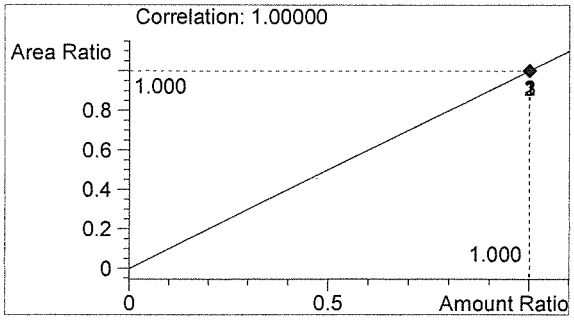
Sample Name: 0.158 CAL 2
Operator: Andrew Gingras
Location: Vial 3



#	Compound	Peak Area	RT (min)
1	Ethanol	1902	1.084
2	n-Propanol	2755	1.763



Ethanol 0.160 g/100mL

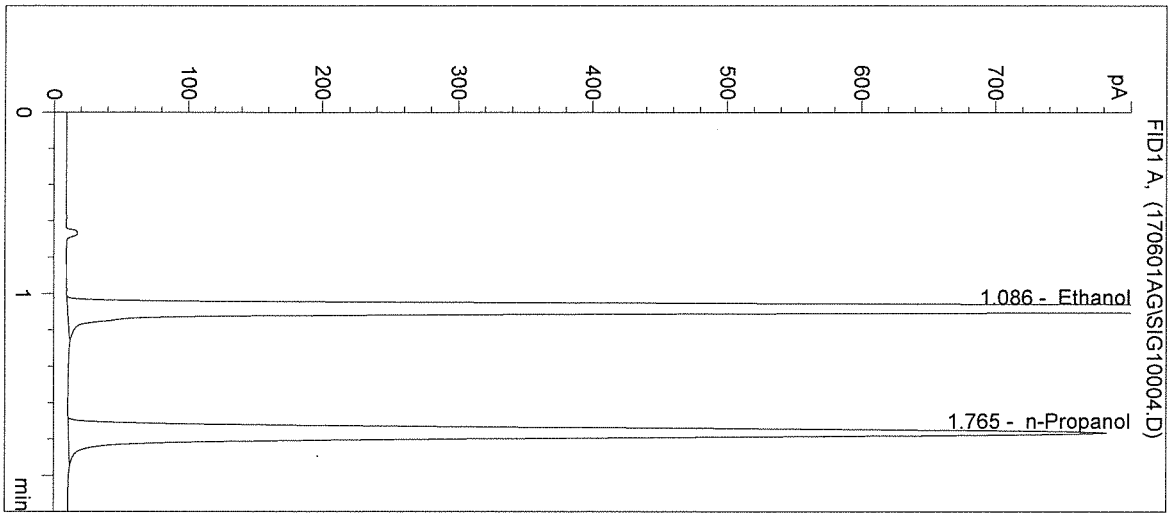


n-Propanol 0.012 g/100mL

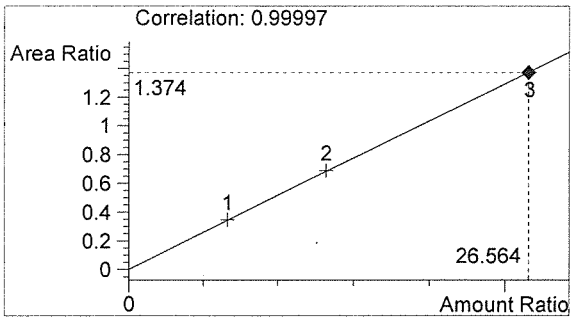
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/1/2017 10:09:53 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

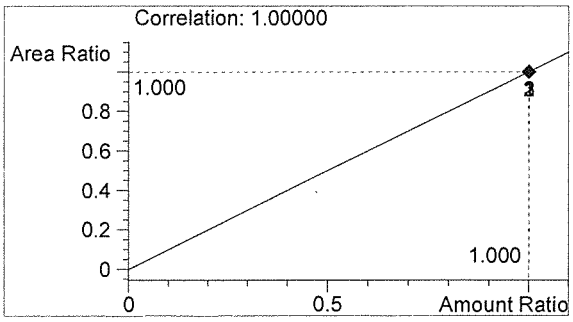
Sample Name: 0.316 CAL 3
Operator: Andrew Gingras
Location: Vial 4



#	Compound	Peak Area	RT (min)
1	Ethanol	3949	1.086
2	n-Propanol	2874	1.765



Ethanol 0.319 g/100mL

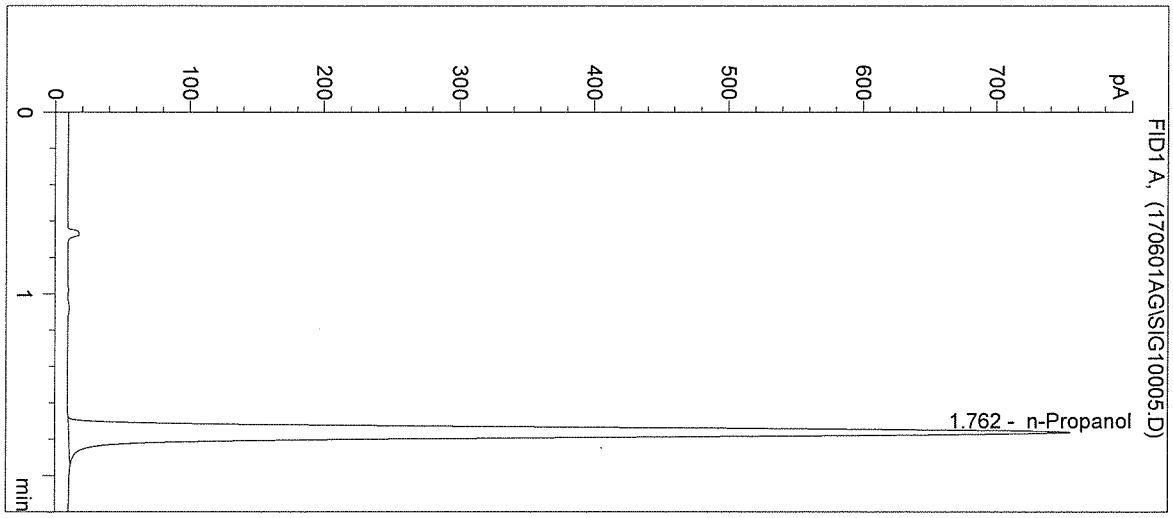


n-Propanol 0.012 g/100mL

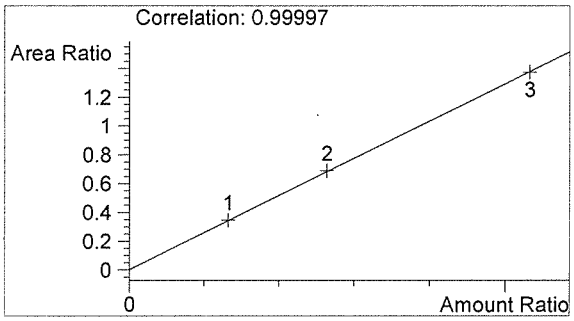
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/1/2017 10:13:07 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

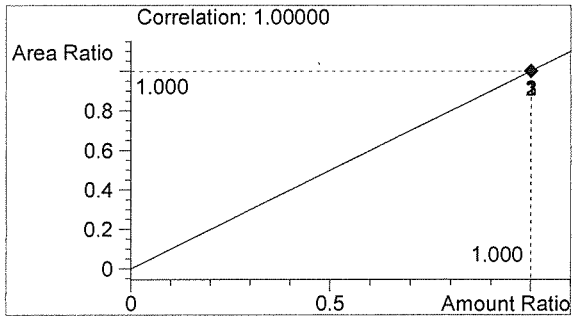
Sample Name: Negative Control
Operator: Andrew Gingras
Location: Vial 5



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2767	1.762



Ethanol 0.000 g/100mL

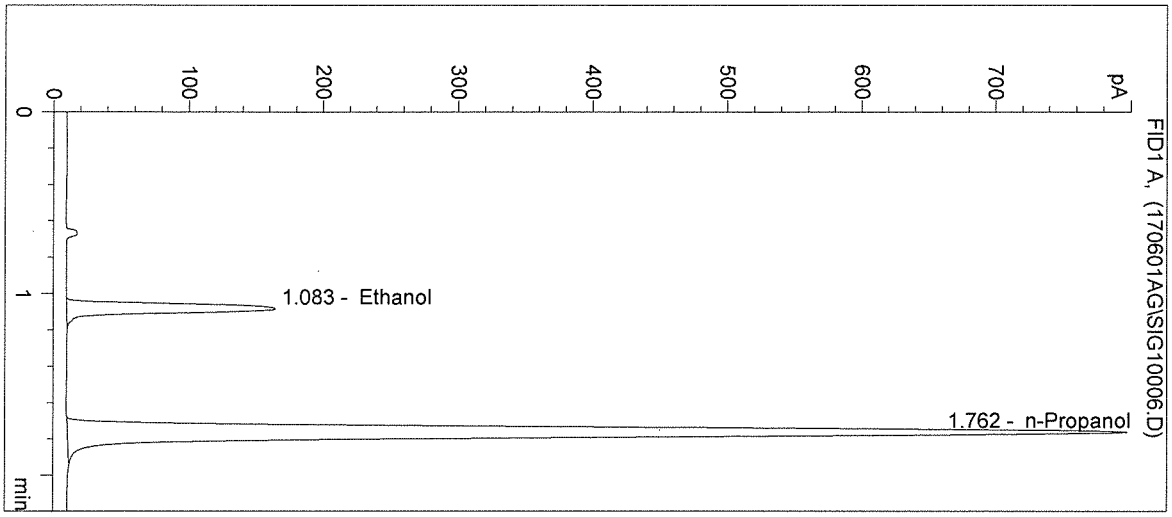


n-Propanol 0.012 g/100mL

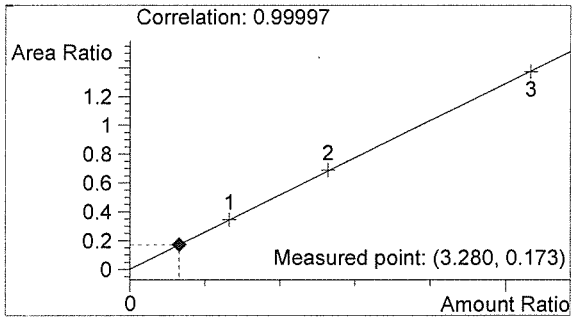
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/1/2017 10:16:20 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

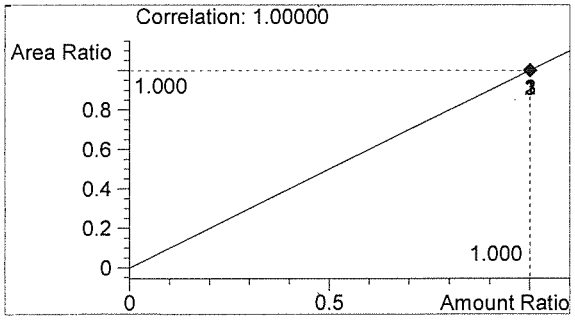
Sample Name: 0.04 Ctrl
Operator: Andrew Gingras
Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	507	1.083
2	n-Propanol	2925	1.762



Ethanol 0.039 g/100mL

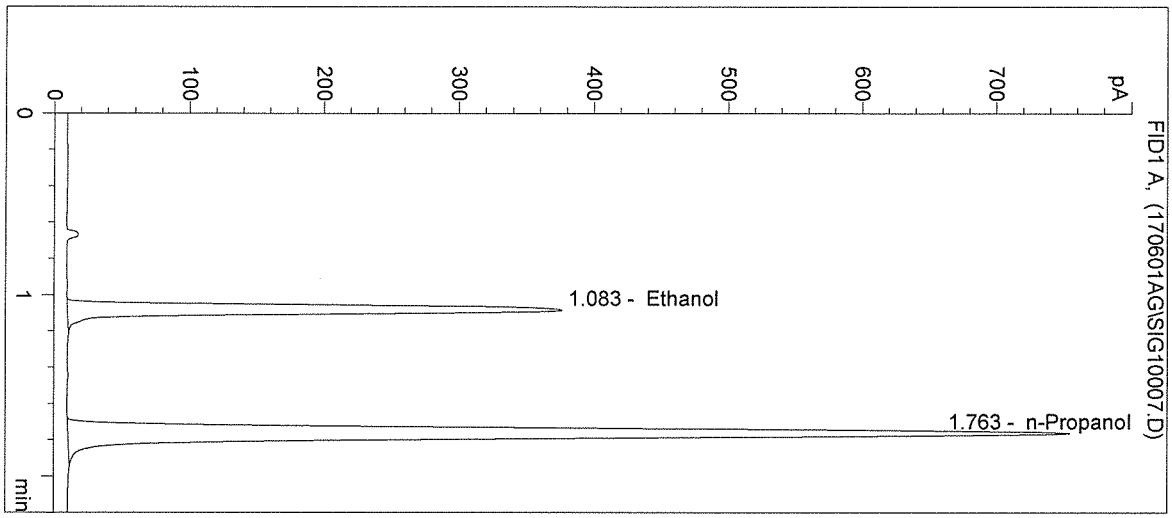


n-Propanol 0.012 g/100mL

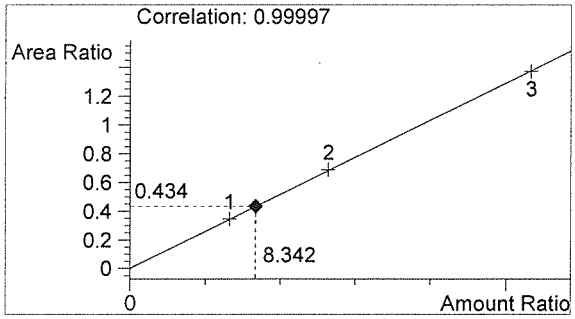
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/1/2017 10:19:33 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

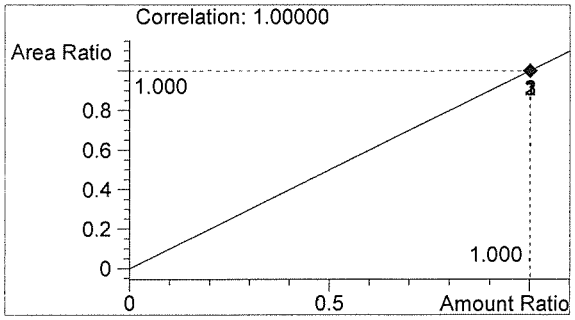
Sample Name: 0.10 Ctrl
Operator: Andrew Gingras
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	1203	1.083
2	n-Propanol	2770	1.763



Ethanol 0.100 g/100mL

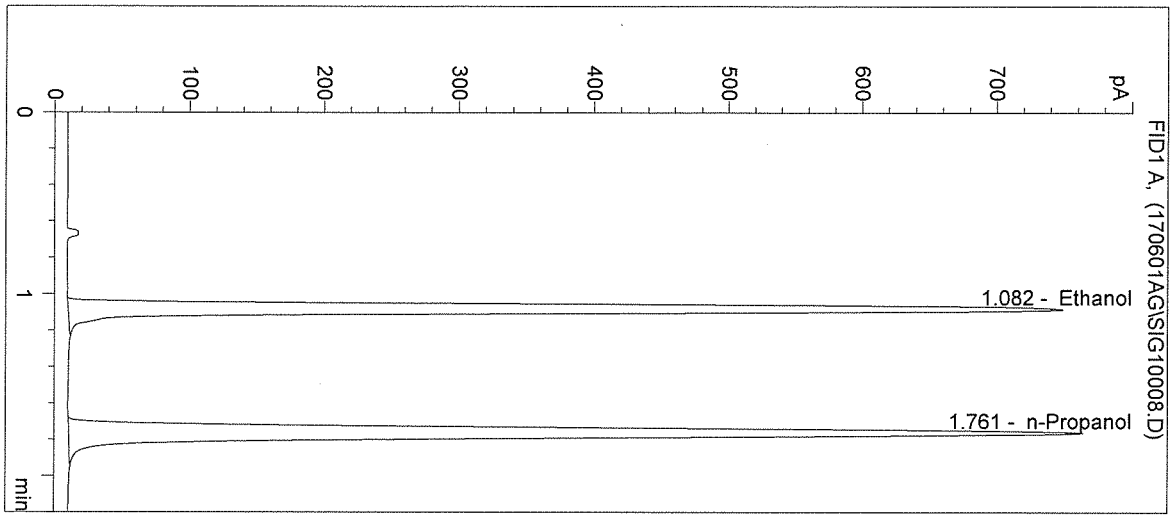


n-Propanol 0.012 g/100mL

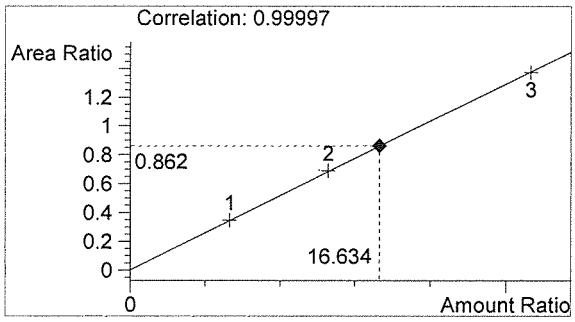
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/1/2017 10:22:46 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

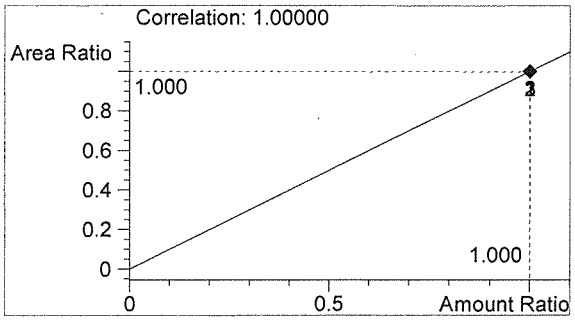
Sample Name: 0.20 Ctrl
Operator: Andrew Gingras
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	2413	1.082
2	n-Propanol	2800	1.761



Ethanol 0.200 g/100mL

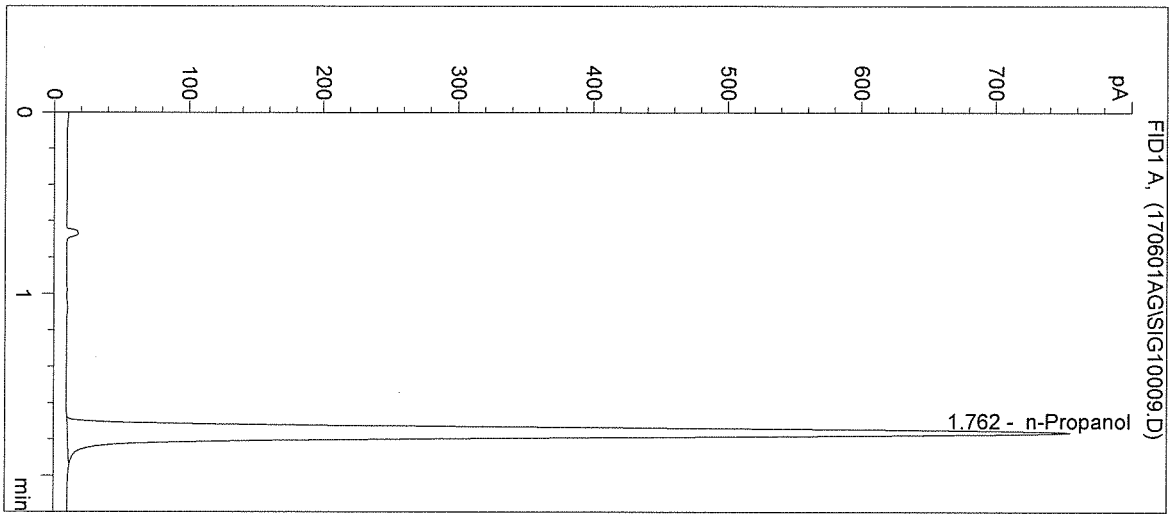


n-Propanol 0.012 g/100mL

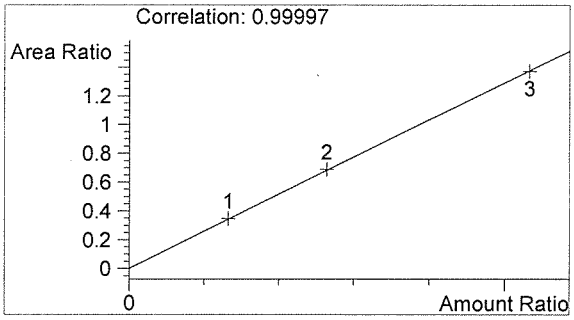
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/1/2017 10:26:00 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

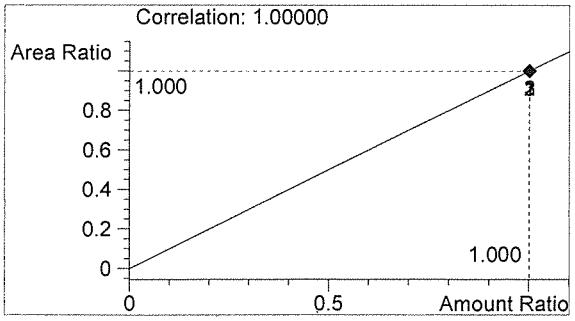
Sample Name: Negative Control
Operator: Andrew Gingras
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2769	1.762



Ethanol 0.000 g/100mL

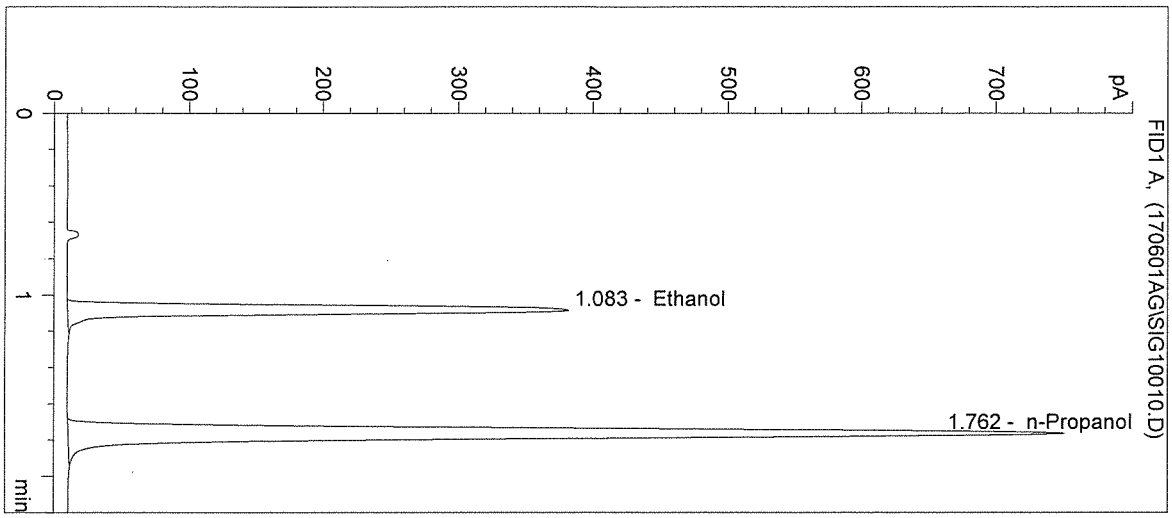


n-Propanol 0.012 g/100mL

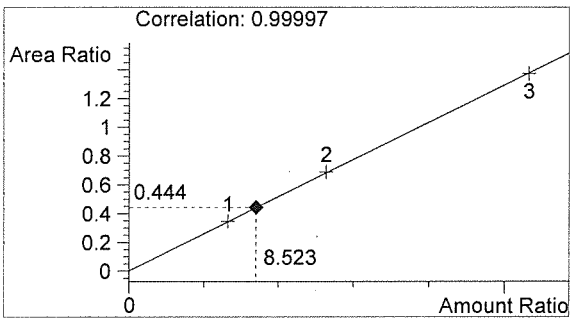
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/1/2017 10:29:13 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

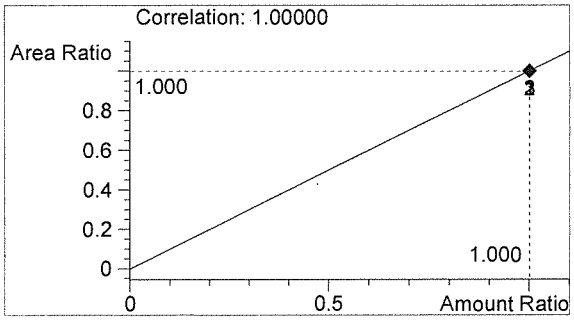
Sample Name: 17044 #1
Operator: Andrew Gingras
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	1217	1.083
2	n-Propanol	2744	1.762



Ethanol 0.102 g/100mL

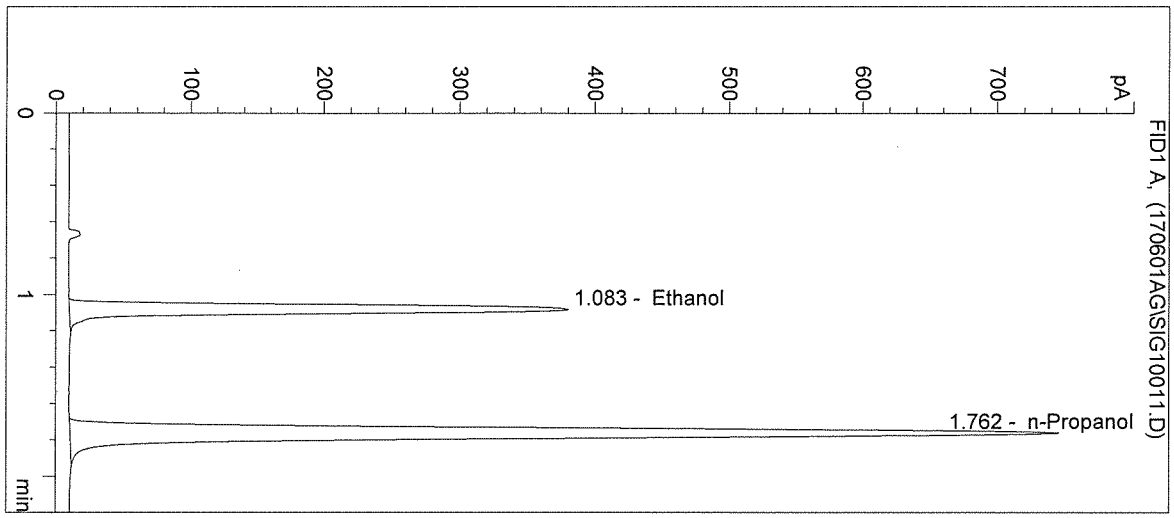


n-Propanol 0.012 g/100mL

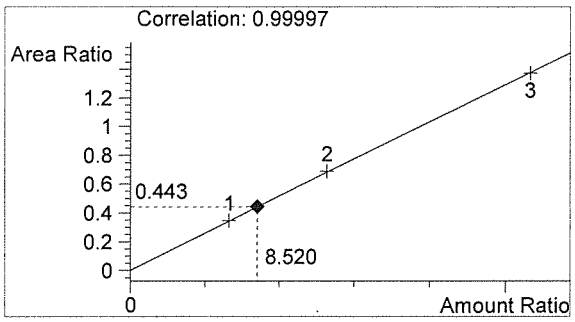
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/1/2017 10:32:26 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

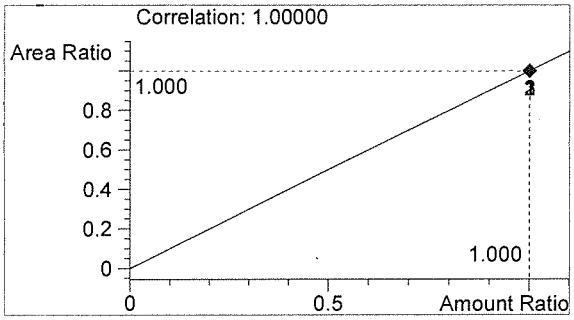
Sample Name: 17044 #2
Operator: Andrew Gingras
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	1213	1.083
2	n-Propanol	2734	1.762



Ethanol 0.102 g/100mL

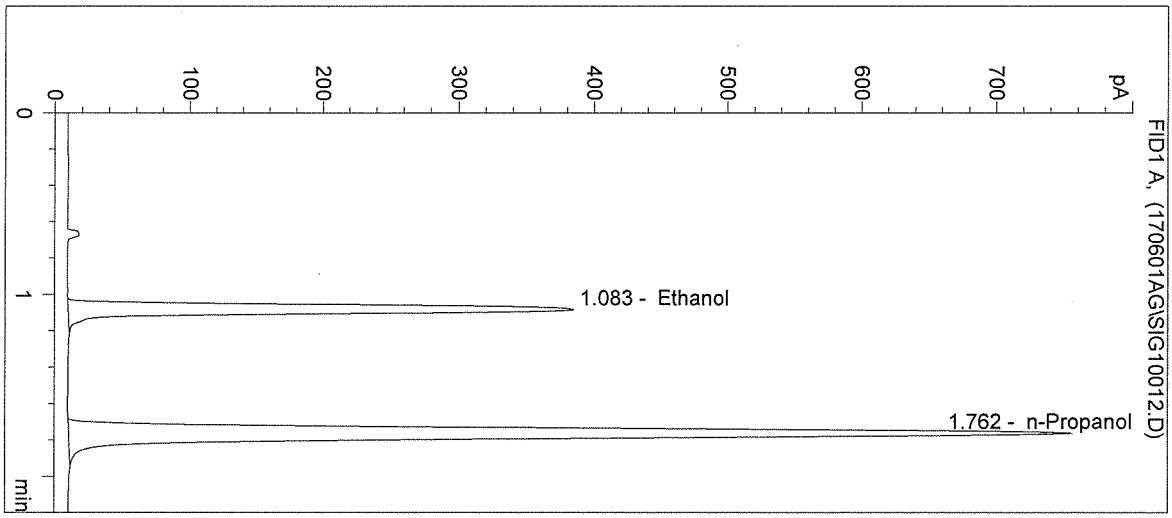


n-Propanol 0.012 g/100mL

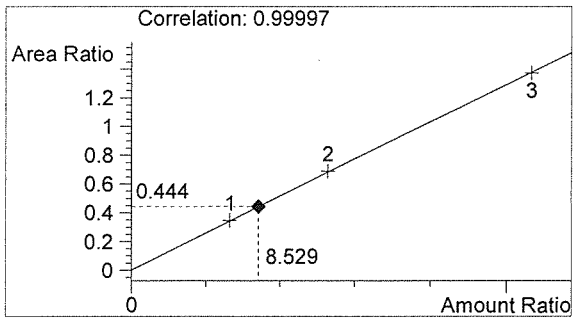
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/1/2017 10:35:40 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

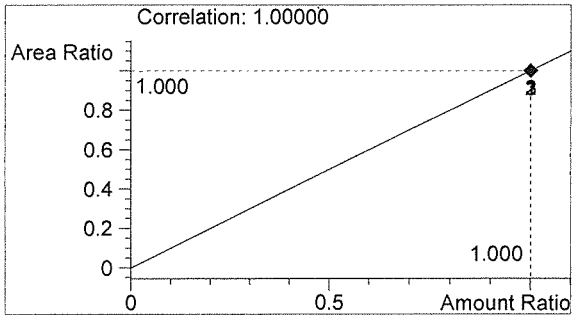
Sample Name: 17044 #3
Operator: Andrew Gingras
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	1227	1.083
2	n-Propanol	2763	1.762



Ethanol 0.102 g/100mL

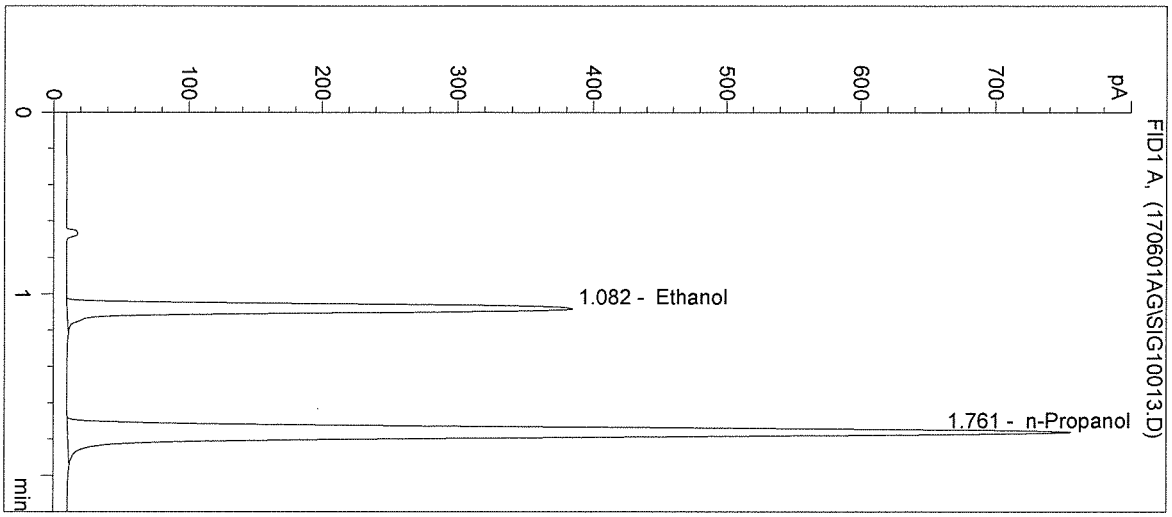


n-Propanol 0.012 g/100mL

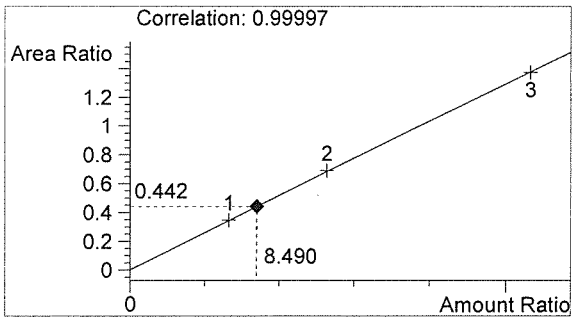
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/1/2017 10:38:53 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

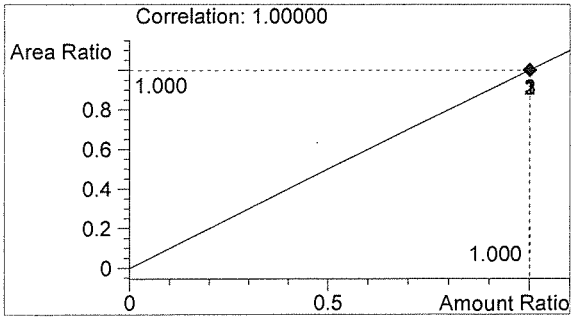
Sample Name: 17044 #4
Operator: Andrew Gingras
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	1222	1.082
2	n-Propanol	2766	1.761



Ethanol 0.102 g/100mL

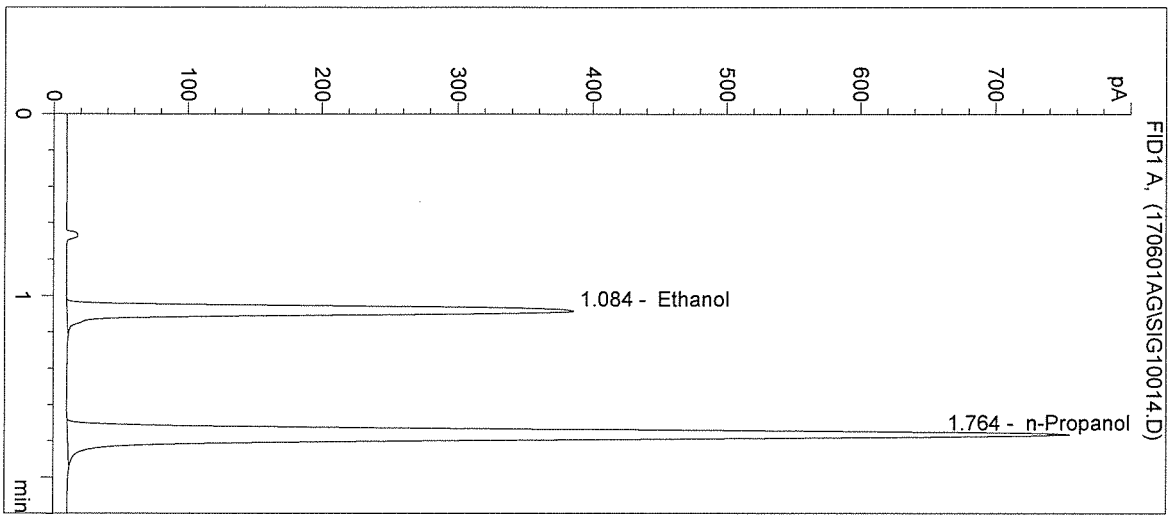


n-Propanol 0.012 g/100mL

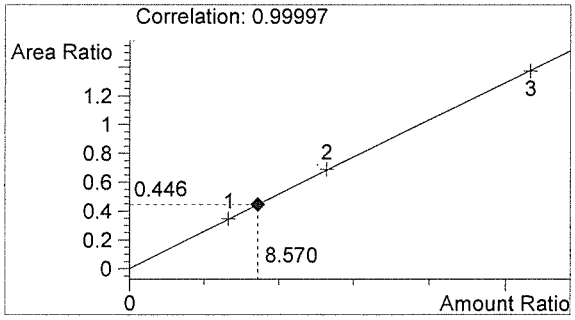
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/1/2017 10:42:06 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

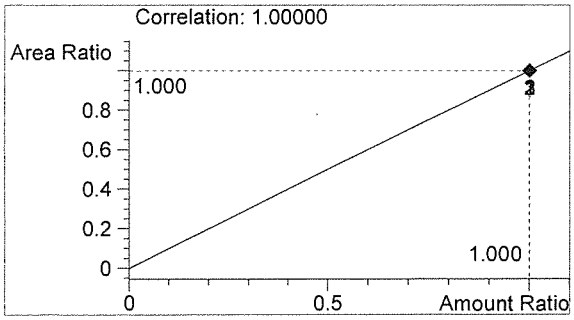
Sample Name: 17044 #5
Operator: Andrew Gingras
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	1235	1.084
2	n-Propanol	2770	1.764



Ethanol 0.103 g/100mL

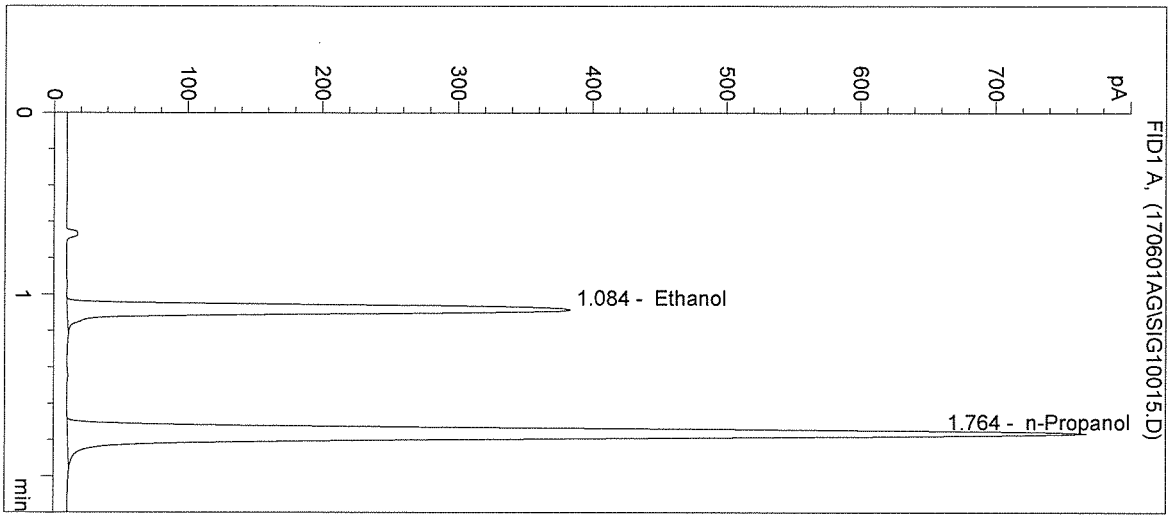


n-Propanol 0.012 g/100mL

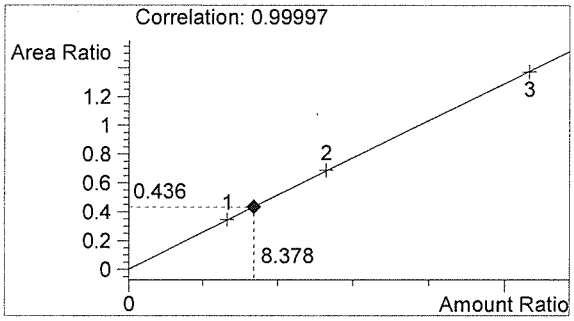
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/1/2017 10:45:20 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

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

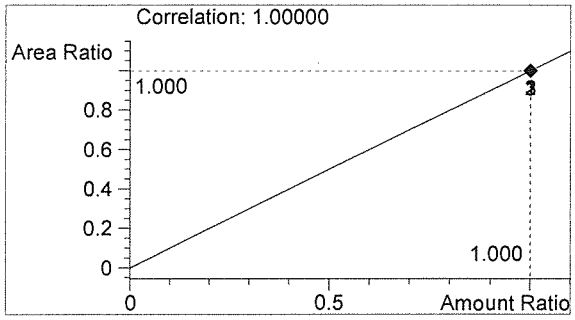


#	Compound	Peak Area	RT (min)
1	Ethanol	1229	1.084
2	n-Propanol	2818	1.764



Ethanol 0.101 g/100mL

BT

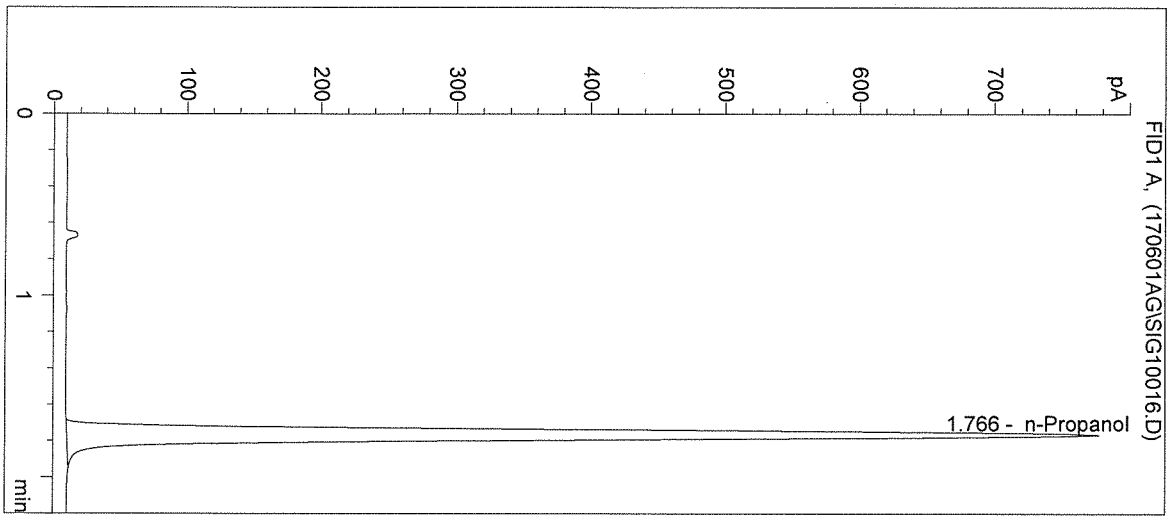


n-Propanol 0.012 g/100mL

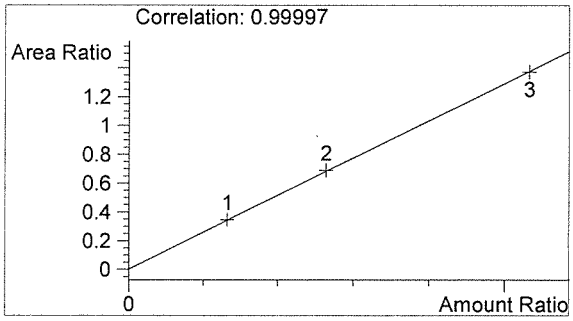
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/1/2017 10:48:32 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

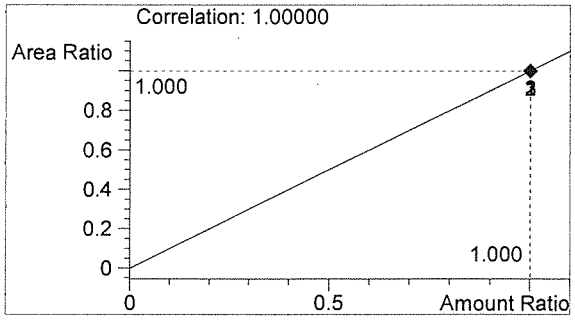
Sample Name: Negative Control
Operator: Andrew Gingras
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2861	1.766



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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:	170621JK
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E0217-01 - Exp. 08/21/2017
Ethanol Calibrator 2, E0217-02 - Exp. 08/21/2017
Ethanol Calibrator 3, E0217-03 - Exp. 08/21/2017
CTRL1 (0.04g/100mL), Lot # FN12181501 - Exp. 12/2020
CTRL2 (0.10g/100mL), Lot # FN08051301 - Exp. 10/2018
CTRL3 (0.20g/100mL), Lot # FN08101505 - Exp. 02/2021
Internal Standard Lot#P0517 - Exp. 08/18/2017

Calibration vials 1-9 filed with 17044.

Diluter #2
JK 7-14-17

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	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	17044-1	SIMALC1	1	Sample		
11	Vial 11	17044-2	SIMALC1	1	Sample		
12	Vial 12	17044-3	SIMALC1	1	Sample		
13	Vial 13	17044-4	SIMALC1	1	Sample		
14	Vial 14	17044-5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp		

17044
BT
7/14/17

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	

JK

Sequence Table (Back Injector):

No entries - empty table!

17044

bt 7/14/17

~~170621 JK~~

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JK 7-14-17

Calibration Table

Calib. Data Modified : Wednesday, June 21, 2017 11:30:02 AM

Calculate : Internal Standard
Based on : Peak Area

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

Curve Type : Linear
Origin : Included
Weight : Equal

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

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

Sample ISTD Information:

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

Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.085	1	1	7.91500e-2	969.04150	8.16786e-5		1	Ethanol
		2	1.58300e-1	1920.18066	8.24402e-5			
		3	3.19520e-1	3784.73437	8.44234e-5			
1.764	1	1	1.20000e-2	2779.33765	4.31758e-6	I1		n-Propanol
		2	1.20000e-2	2773.47510	4.32670e-6			
		3	1.20000e-2	2736.14746	4.38573e-6			

17044
BT 7/14/17

Peak Sum Table

No Entries in table

JK

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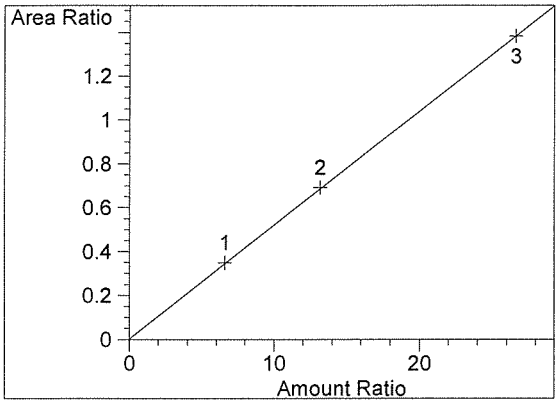
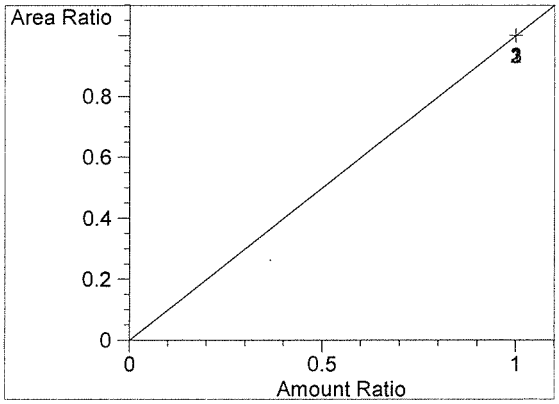
Calibration Curves

==========



Ethanol at exp. RT: 1.085
FID1 A,
Correlation: 0.99998
Residual Std. Dev.: 0.00459
Formula: y = mx + b
m: 5.19005e-2
b: 3.82868e-3
x: Amount Ratio
y: Area Ratio



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

==========

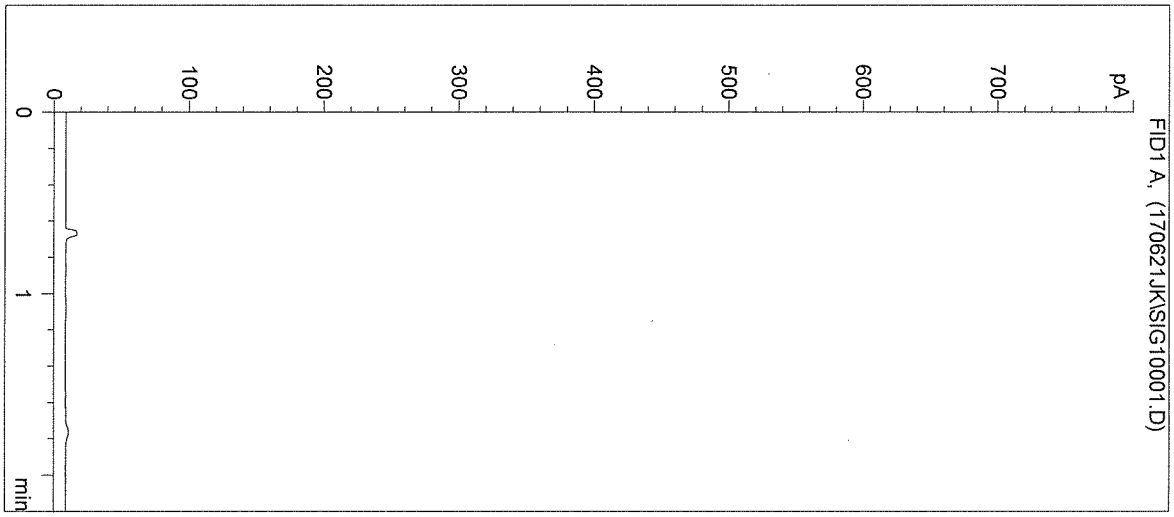
17044
BT
7/14/17

~~170621JR~~
JR
7-14-17
~~JR~~

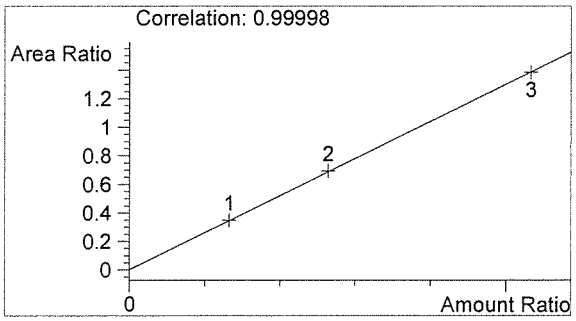
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/21/2017 11:17:56 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

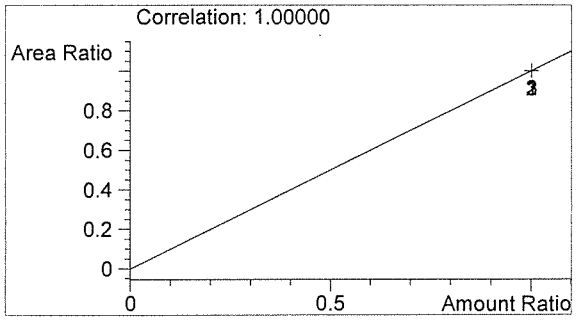
Sample Name: BLANK
Operator: Justin Knoy
Location: Vial 1



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



Ethanol 0.000 g/100mL



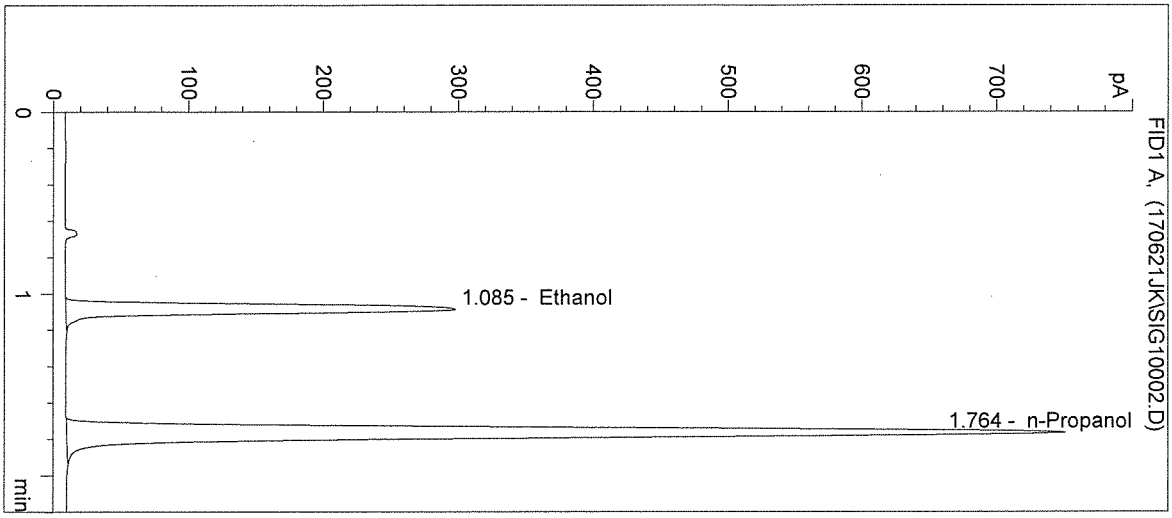
n-Propanol 0.000 g/100mL

JK

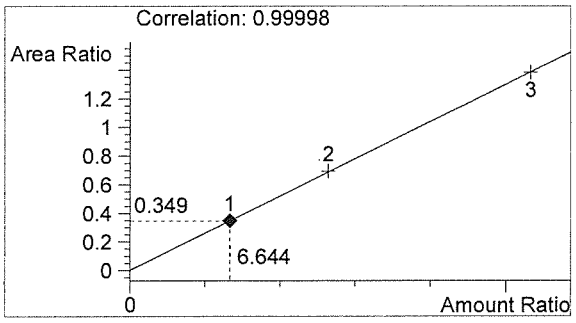
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/21/2017 11:21:14 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

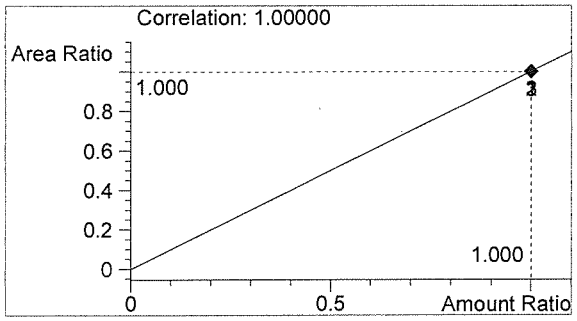
Sample Name: 0.079 CAL 1
Operator: Justin Knoy
Location: Vial 2



#	Compound	Peak Area	RT (min)
1	Ethanol	969	1.085
2	n-Propanol	2779	1.764



Ethanol 0.080 g/100mL

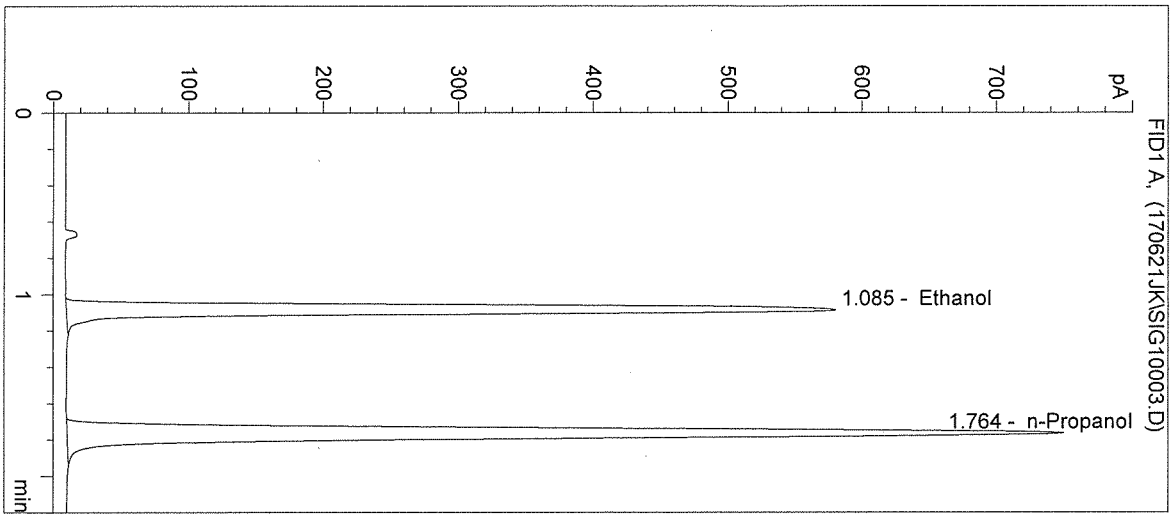


n-Propanol 0.012 g/100mL

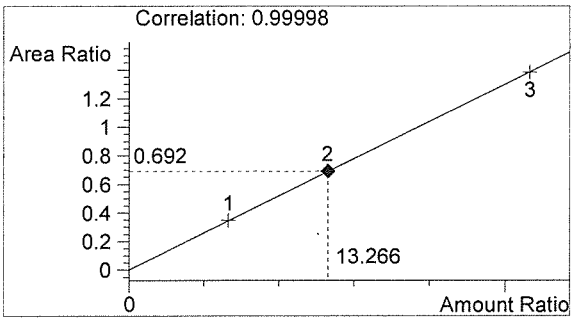
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/21/2017 11:24:31 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

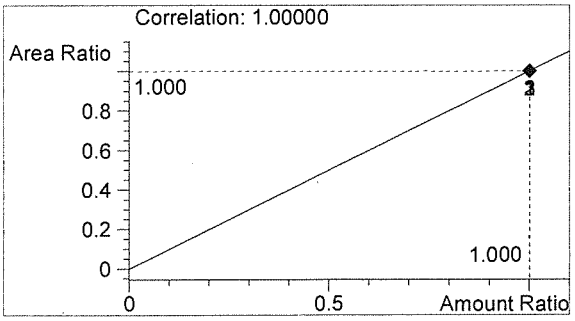
Sample Name: 0.158 CAL 2
Operator: Justin Knoy
Location: Vial 3



#	Compound	Peak Area	RT (min)
1	Ethanol	1920	1.085
2	n-Propanol	2773	1.764



Ethanol 0.159 g/100mL



n-Propanol 0.012 g/100mL

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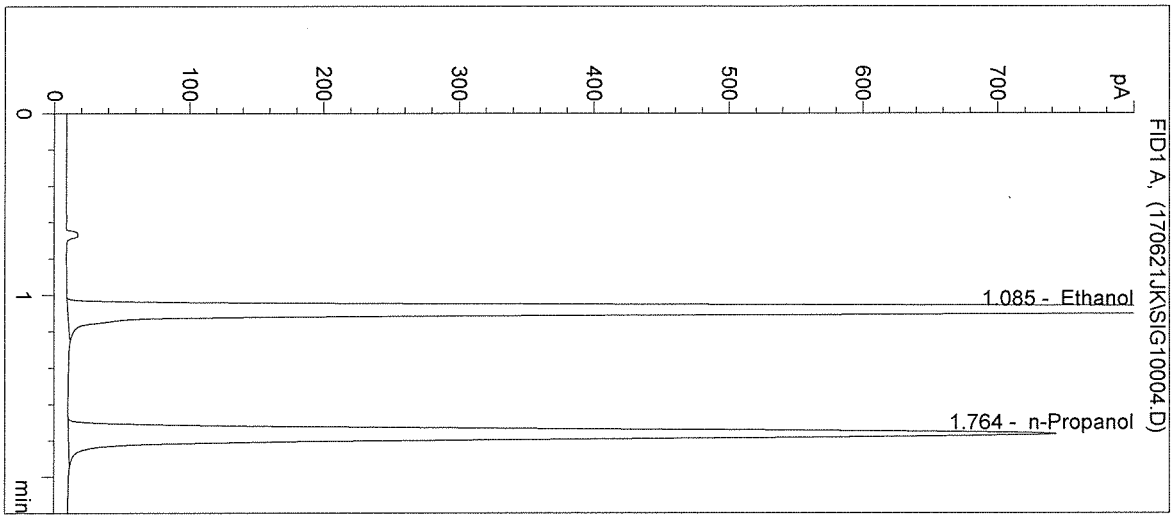
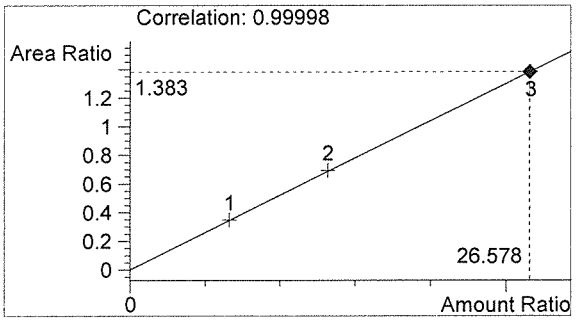
Inj. Date: 6/21/2017 11:27:49 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

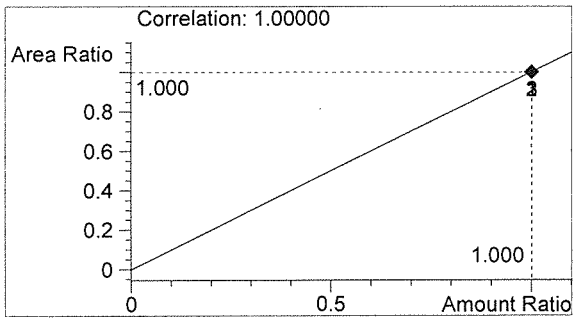
Sample Name: 0.316 CAL 3
Operator: Justin Knoy
Location: Vial 4



#	Compound	Peak Area	RT (min)
1	Ethanol	3785	1.085
2	n-Propanol	2736	1.764



Ethanol 0.319 g/100mL



n-Propanol 0.012 g/100mL

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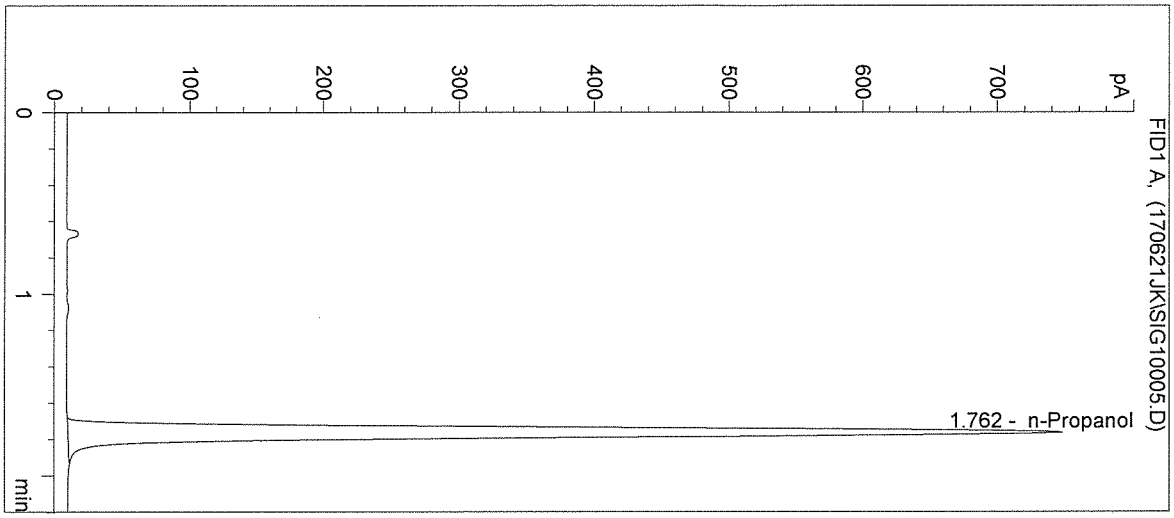
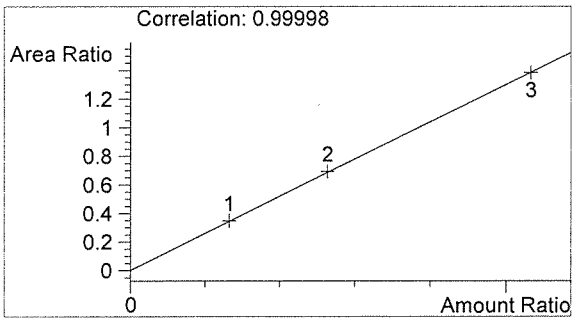
Inj. Date: 6/21/2017 11:31:02 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

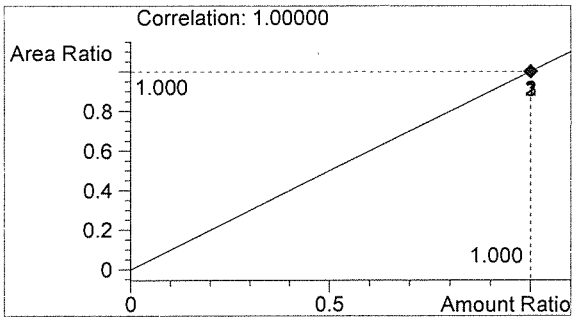
Sample Name: NEG CTRL
Operator: Justin Knoy
Location: Vial 5



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2755	1.762



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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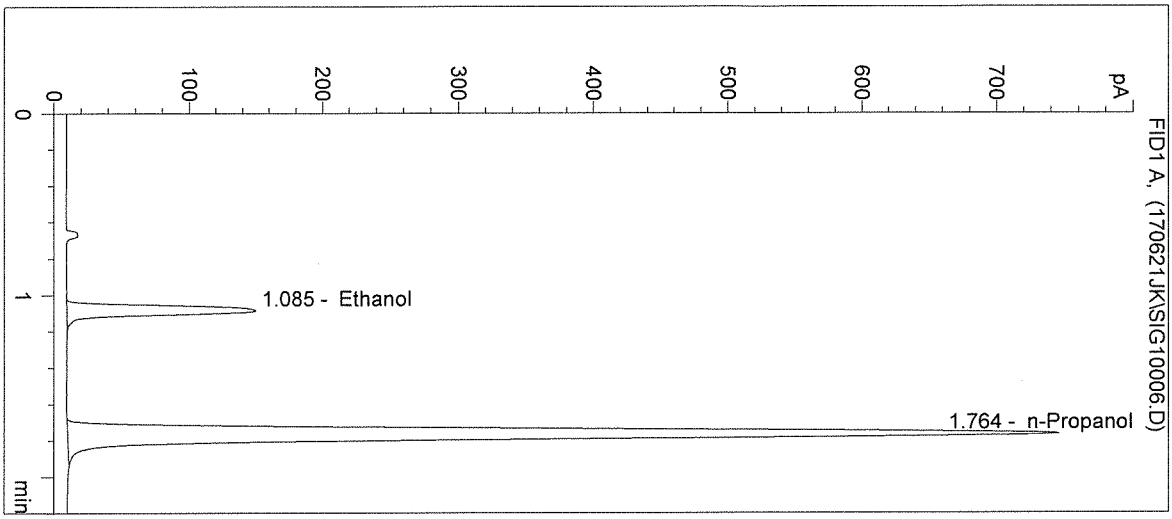
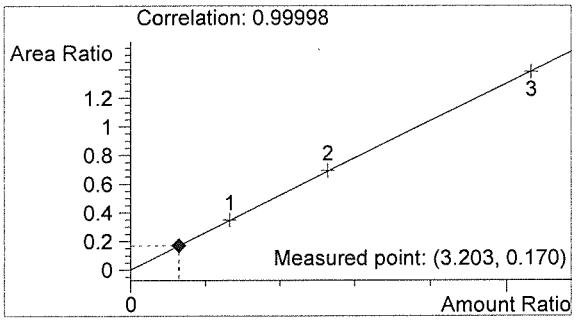
Inj. Date: 6/21/2017 11:34:15 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

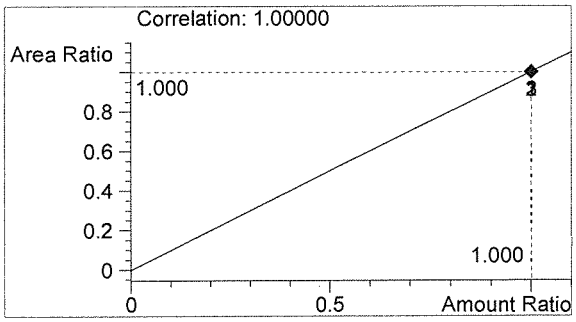
Sample Name: 0.04 CTRL
Operator: Justin Knoy
Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	468	1.085
2	n-Propanol	2753	1.764



Ethanol 0.038 g/100mL



n-Propanol 0.012 g/100mL

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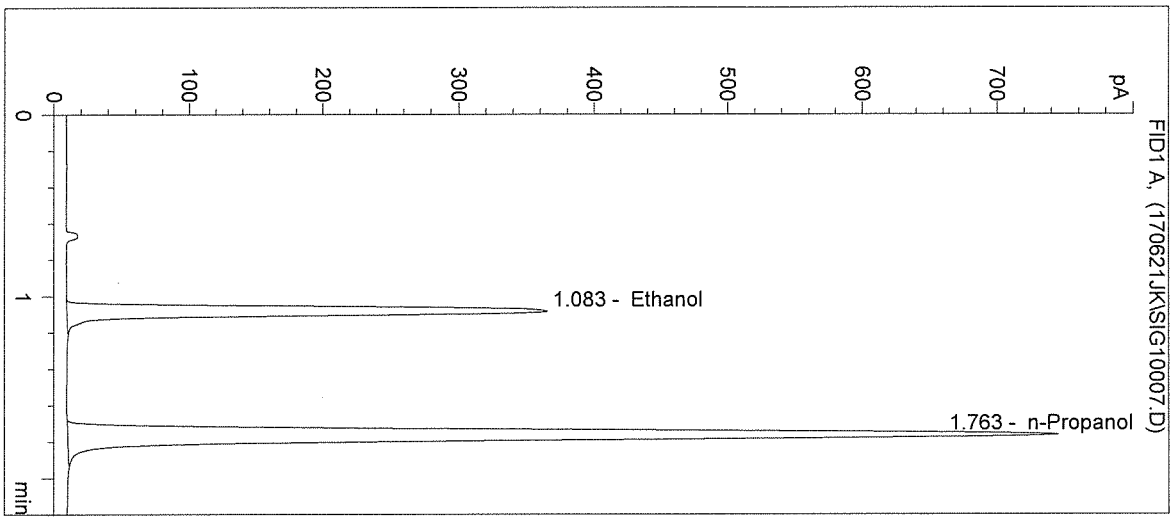
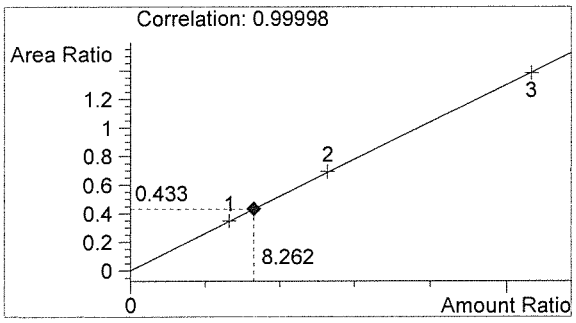
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/21/2017 11:37:29 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

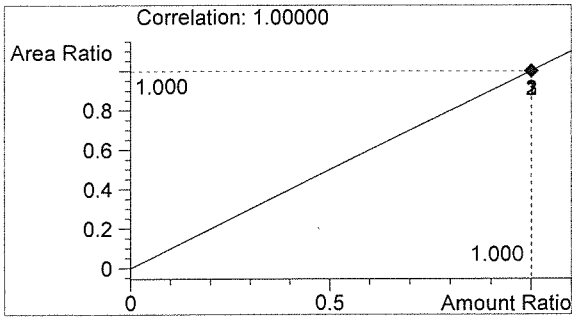
Sample Name: 0.10 CTRL
Operator: Justin Knoy
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	1191	1.083
2	n-Propanol	2752	1.763



Ethanol 0.099 g/100mL

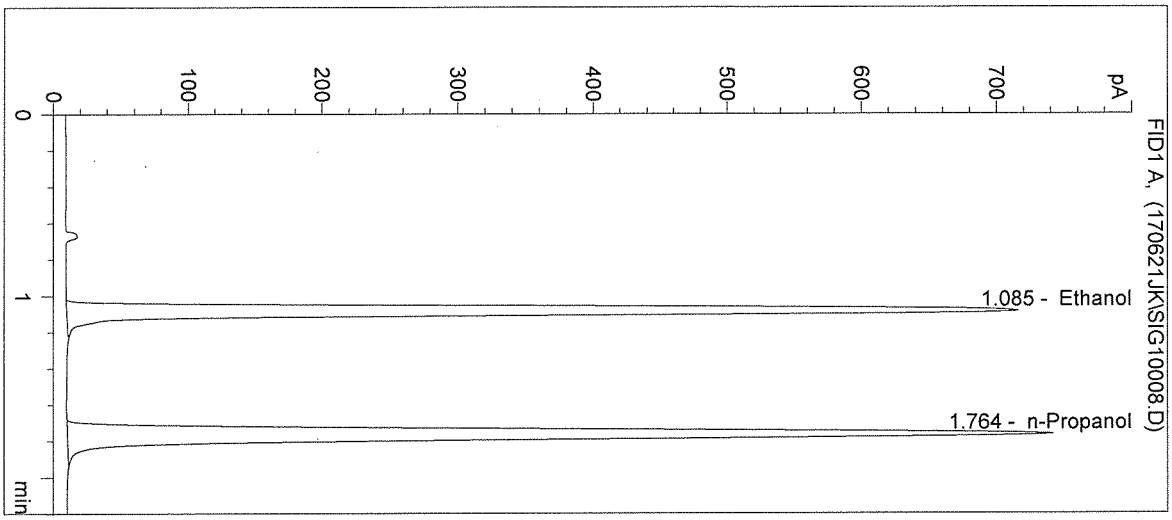


n-Propanol 0.012 g/100mL

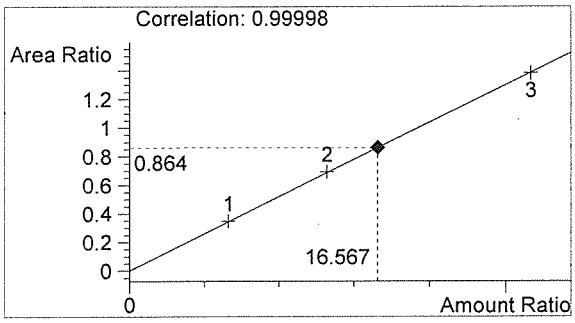
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/21/2017 11:40:42 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

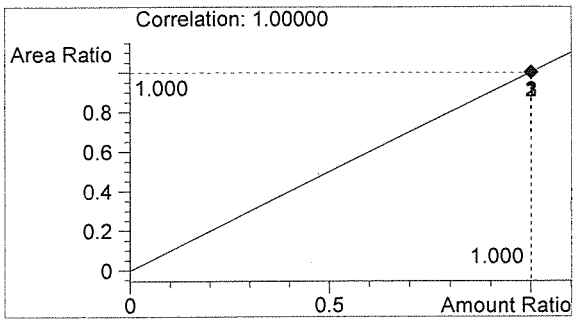
Sample Name: 0.20 CTRL
Operator: Justin Knoy
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	2366	1.085
2	n-Propanol	2739	1.764



Ethanol 0.199 g/100mL

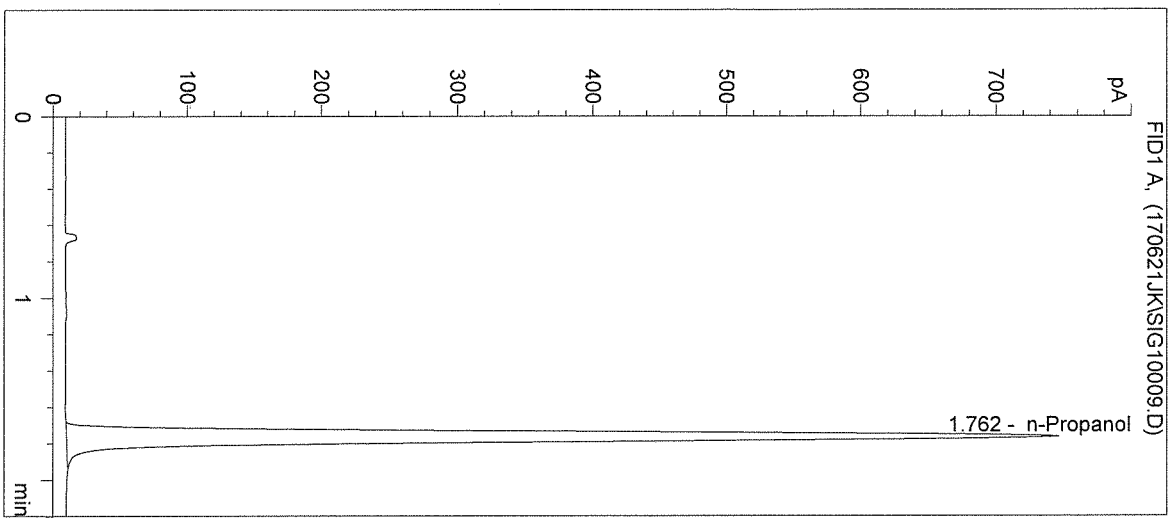


n-Propanol 0.012 g/100mL

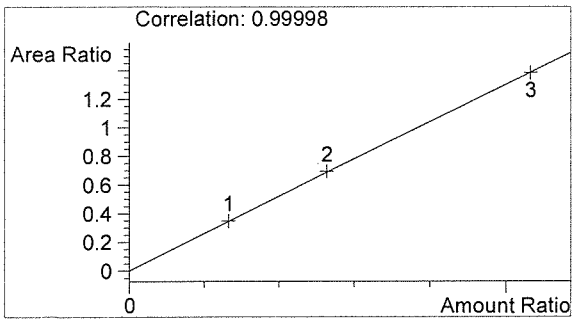
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/21/2017 11:43:55 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

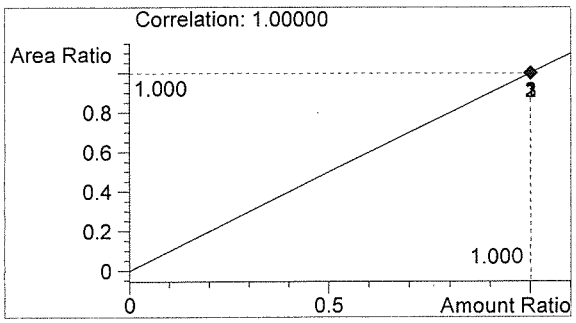
Sample Name: NEG CTRL
Operator: Justin Knoy
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2749	1.762



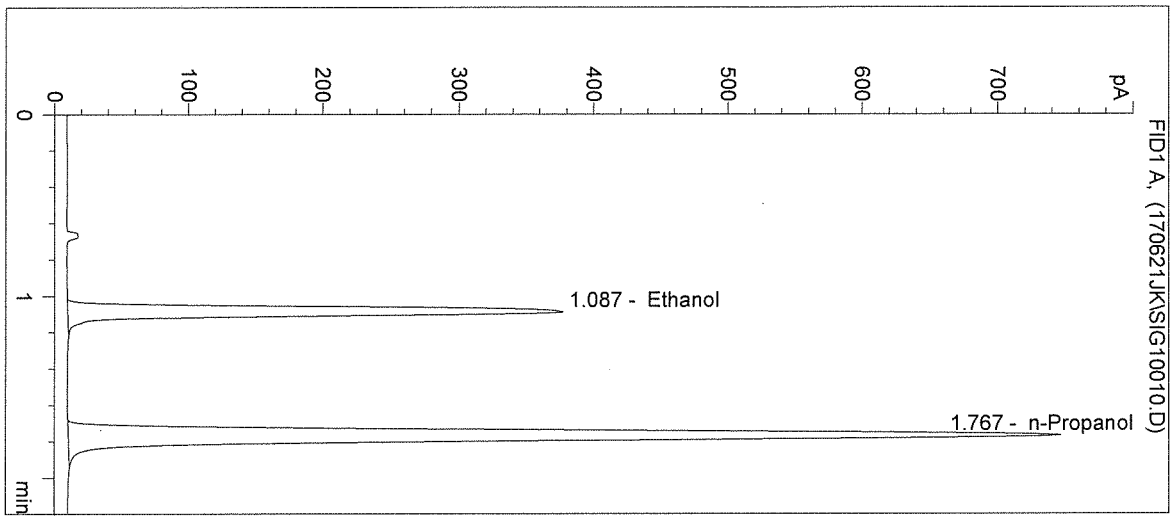
Ethanol 0.000 g/100mL



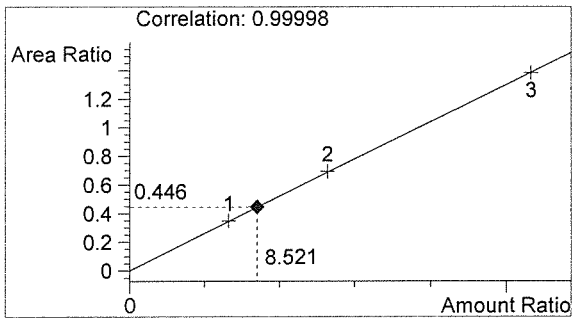
n-Propanol 0.012 g/100mL

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

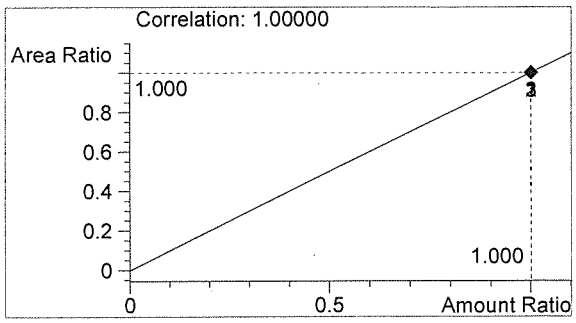
Inj. Date: 6/21/2017 11:47:09 AM
Sample Name: 17044-1
Instrument: HSGC#1
Operator: Justin Knoy
Column: DB-ALC1
Location: Vial 10
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1237	1.087
2	n-Propanol	2773	1.767



Ethanol 0.102 g/100mL

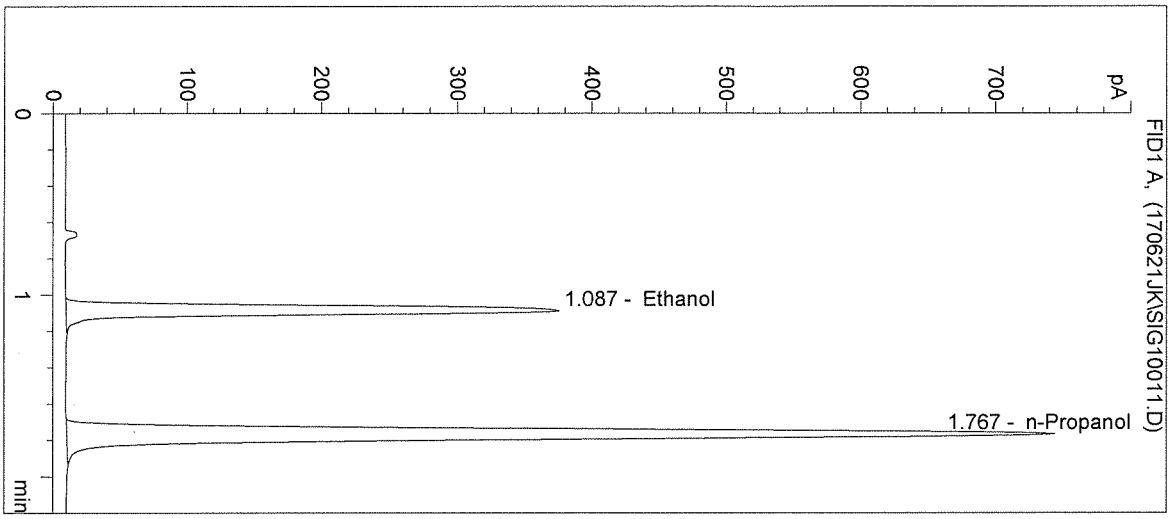


n-Propanol 0.012 g/100mL

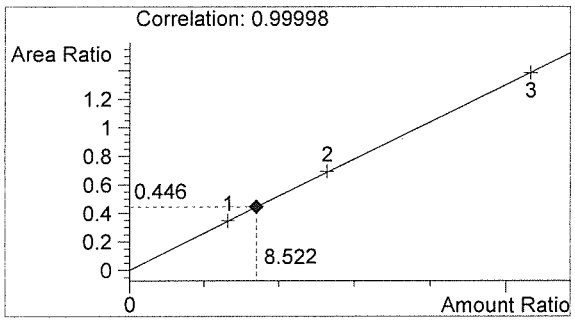
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/21/2017 11:50:22 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

Sample Name: 17044-2
Operator: Justin Knoy
Location: Vial 11

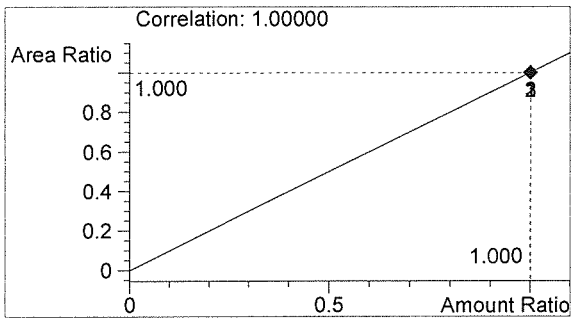


#	Compound	Peak Area	RT (min)
1	Ethanol	1231	1.087
2	n-Propanol	2759	1.767



Ethanol 0.102 g/100mL

135



n-Propanol 0.012 g/100mL

JC

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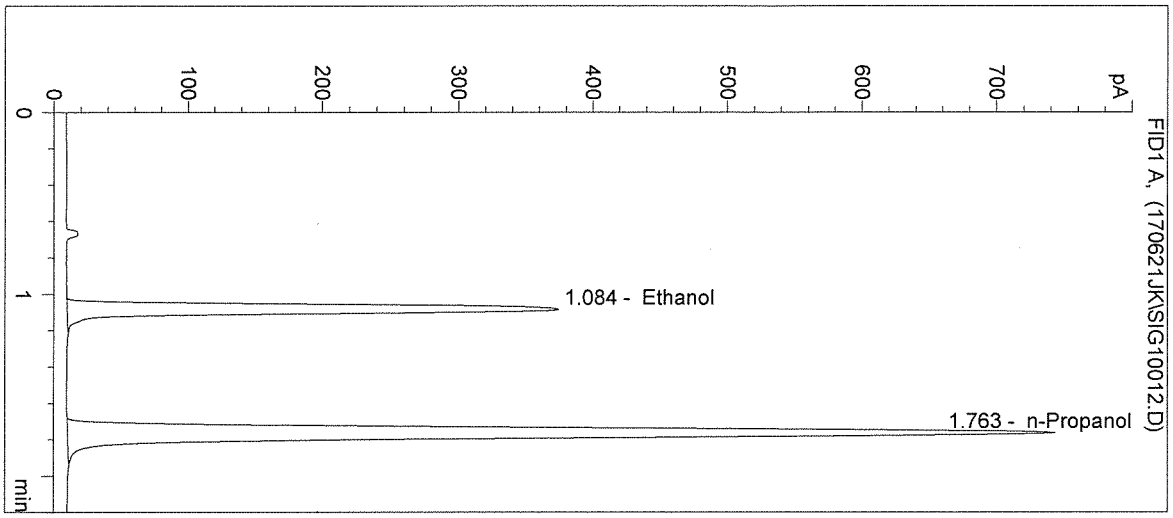
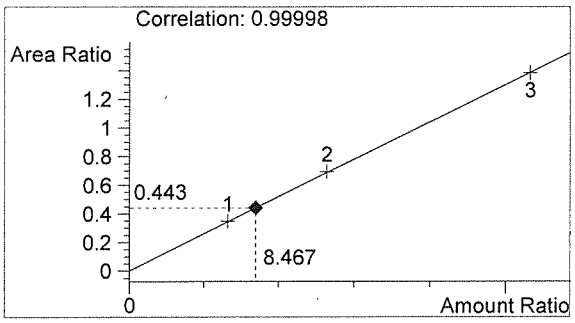
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/21/2017 11:53:35 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

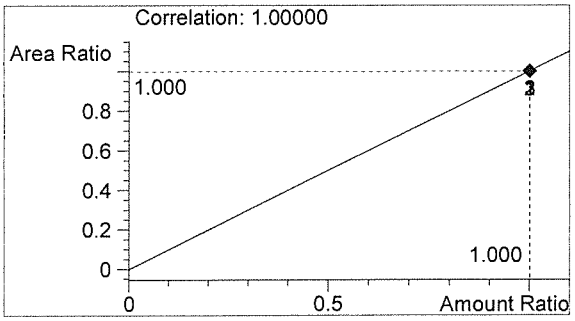
Sample Name: 17044-3
Operator: Justin Knoy
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	1213	1.084
2	n-Propanol	2737	1.763



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

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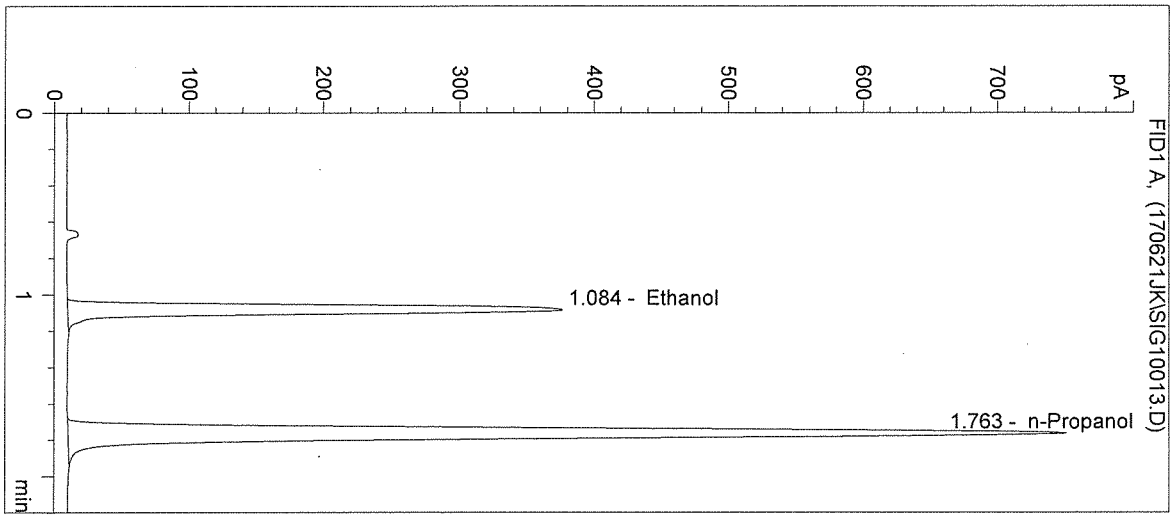
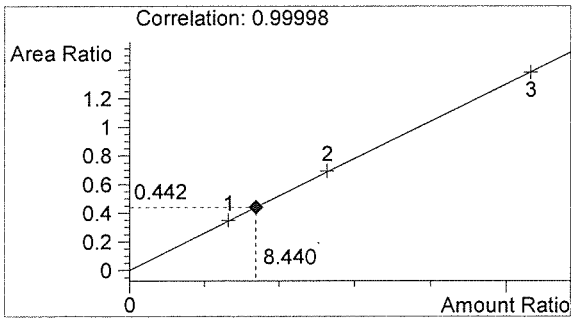
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/21/2017 11:56:49 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

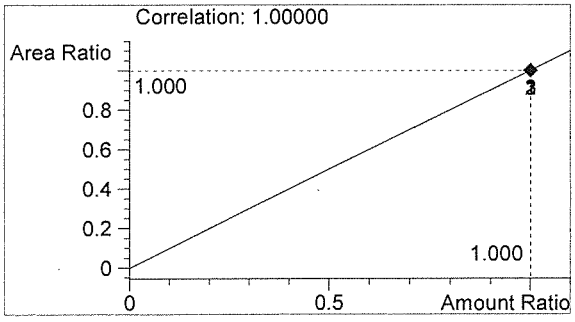
Sample Name: 17044-4
Operator: Justin Knoy
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	1225	1.084
2	n-Propanol	2773	1.763



Ethanol 0.101 g/100mL

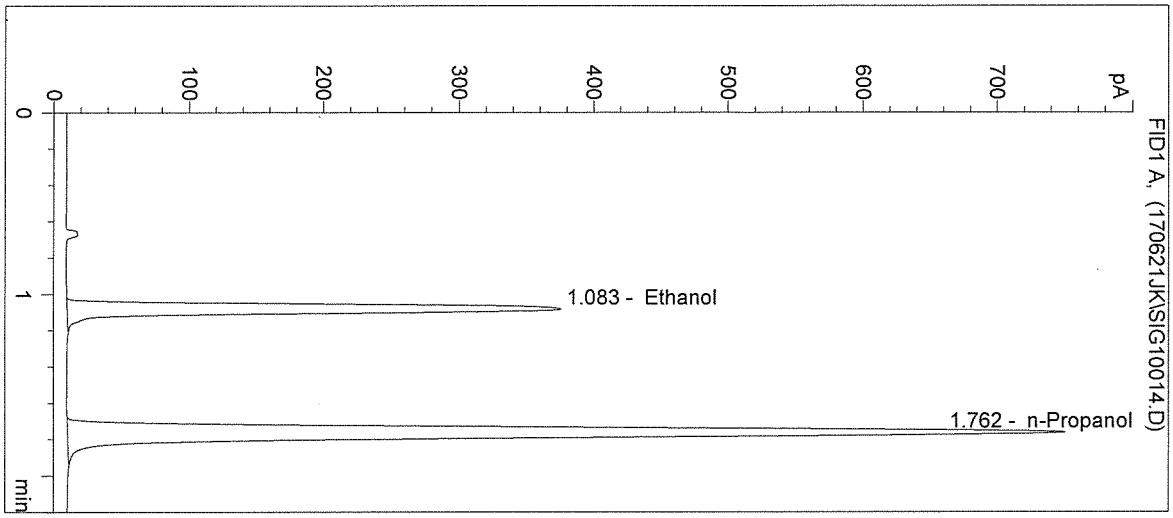


n-Propanol 0.012 g/100mL

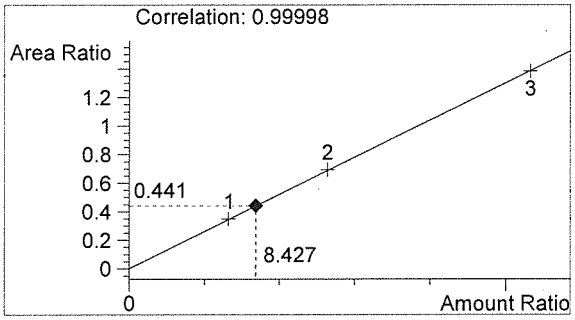
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/21/2017 12:00:02 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

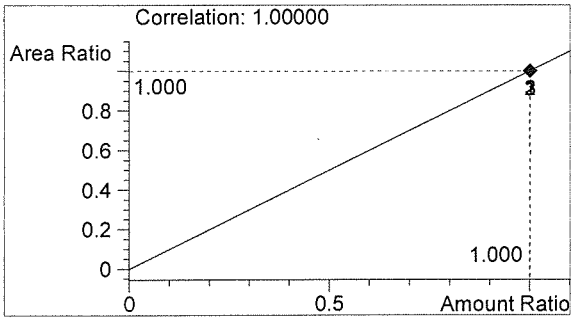
Sample Name: 17044-5
Operator: Justin Knoy
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	1219	1.083
2	n-Propanol	2762	1.762



Ethanol 0.101 g/100mL

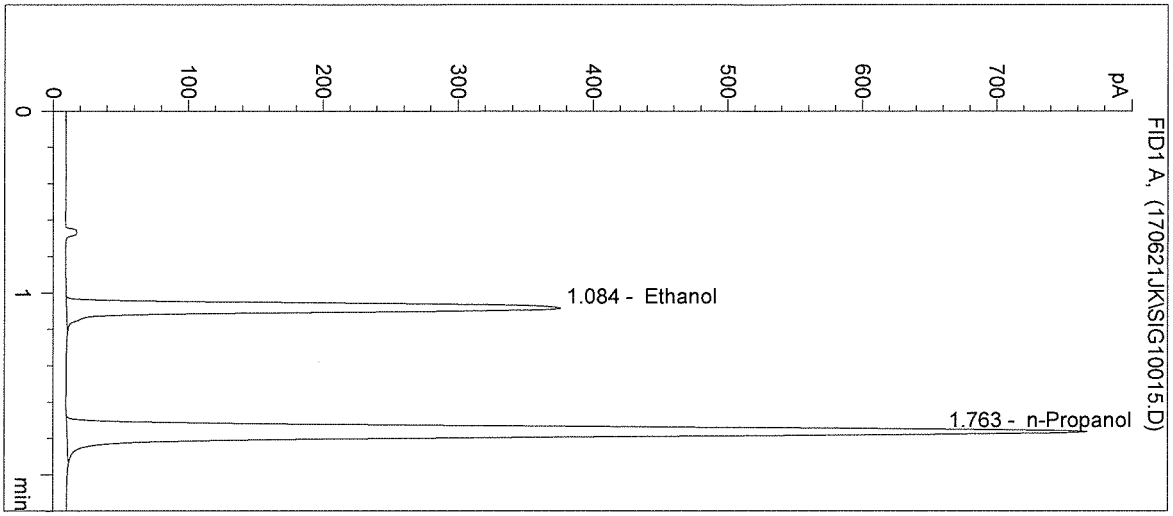


n-Propanol 0.012 g/100mL

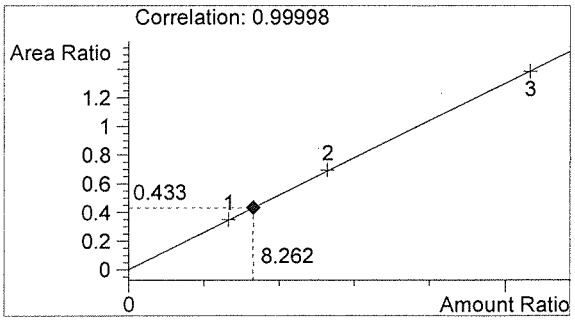
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/21/2017 12:03:15 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

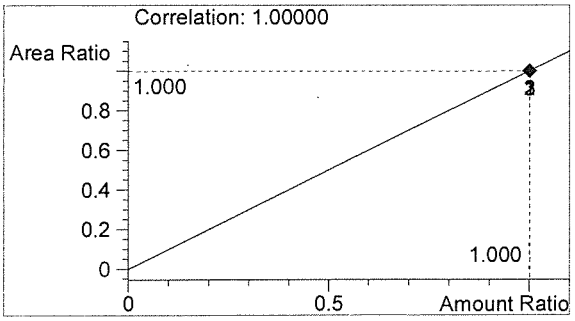
Sample Name: 0.10 CTRL
Operator: Justin Knoy
Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	1226	1.084
2	n-Propanol	2833	1.763



Ethanol 0.099 g/100mL

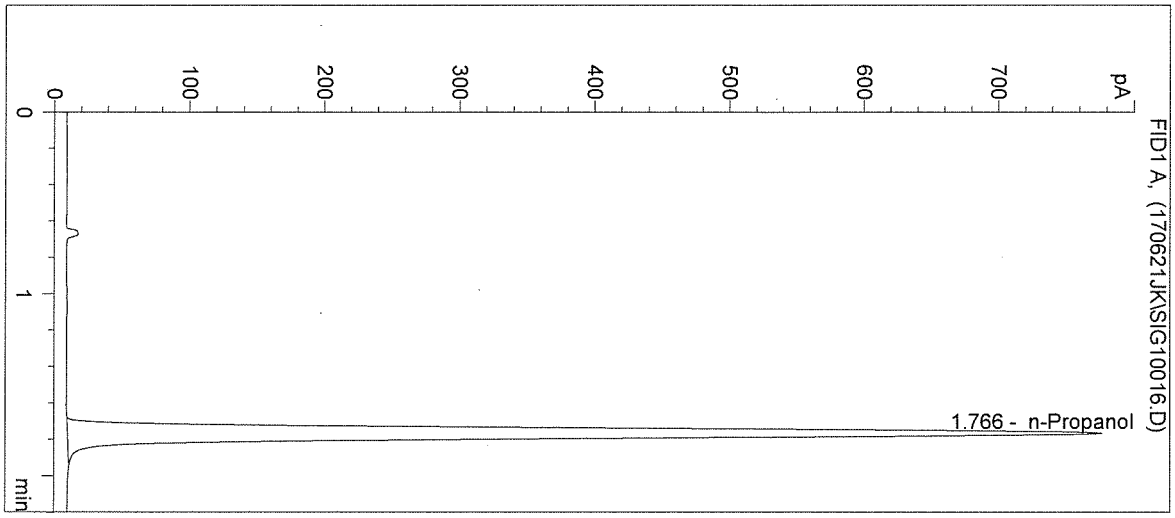


n-Propanol 0.012 g/100mL

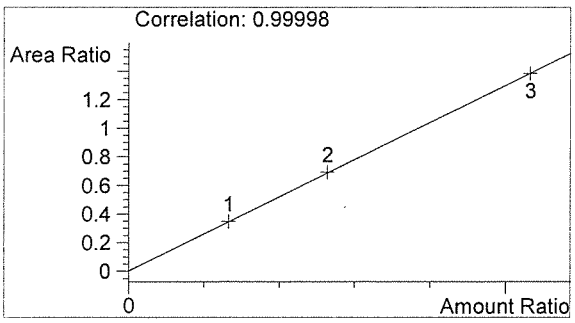
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/21/2017 12:06:27 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

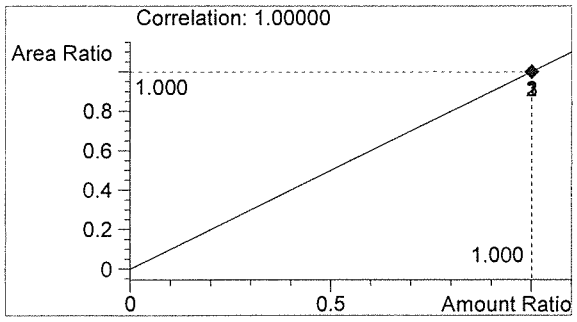
Sample Name: NEG CTRL
Operator: Justin Knoy
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2887	1.766



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:	170623AL
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 e0217-01 exp 08/21/2017
cal 2 0.158 g/100mL e0217-02 exp 08/21/2017
cal 3 0.316 g/100mL e0217-03 exp 08/21/2017
0.04 control fn12181501 exp 12/2020
0.10 control fn08051301 exp 10/2018
0.20 control fn08101505 exp 02/2021
istd p0517 exp 08/18/2017

calibration in ess 17044
dl #2
AL 20170717

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	17044 #1	SIMALC1	1	Sample		
11	Vial 11	17044 #2	SIMALC1	1	Sample		
12	Vial 12	17044 #3	SIMALC1	1	Sample		
13	Vial 13	17044 #4	SIMALC1	1	Sample		
14	Vial 14	17044 #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	17050 #1	SIMALC1	1	Sample		
18	Vial 18	17050 #2	SIMALC1	1	Sample		
19	Vial 19	17050 #3	SIMALC1	1	Sample		
20	Vial 20	17050 #4	SIMALC1	1	Sample		
21	Vial 21	17050 #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		

17044
BY
7/11/17

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!

17044
BT
7/14/17

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

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Calibration Table

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Calib. Data Modified : Friday, June 23, 2017 3:04:38 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
1.084	1	1	7.91500e-2	961.75043	8.22979e-5	1		Ethanol
		2	1.58300e-1	1904.21216	8.31315e-5			
		3	3.19520e-1	3761.37061	8.49478e-5			
1.763	1	1	1.20000e-2	2773.75049	4.32627e-6	I1		n-Propanol
		2	1.20000e-2	2749.59668	4.36428e-6			
		3	1.20000e-2	2734.15381	4.38893e-6			

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Peak Sum Table

==========

No Entries in table

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17044

BT 7/14/17

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Calibration Curves

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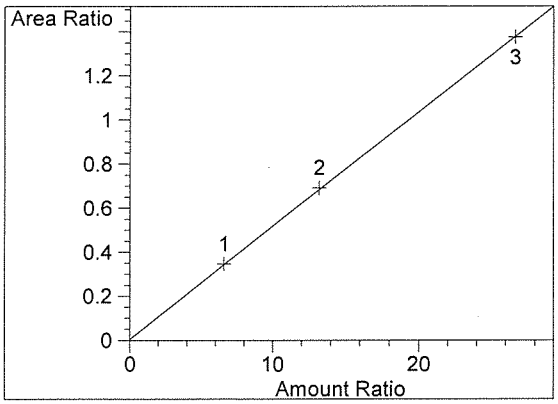
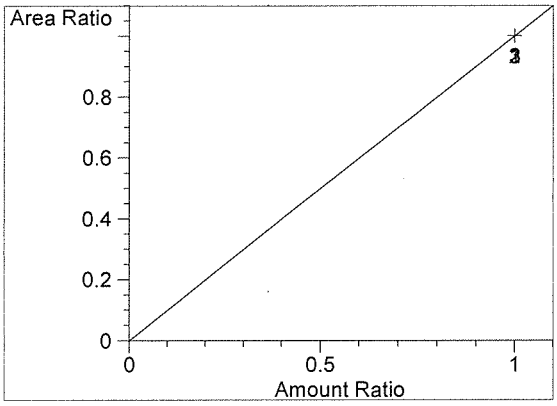


Ethanol at exp. RT: 1.084
FID1 A,
Correlation: 0.99996
Residual Std. Dev.: 0.00648
Formula: y = mx + b
m: 5.16343e-2
b: 4.60253e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.763
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

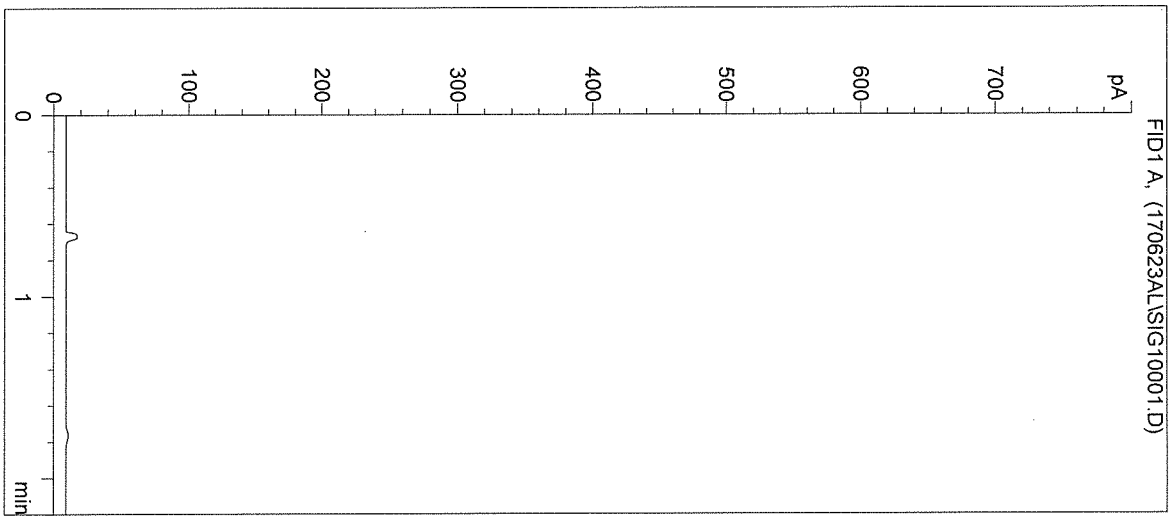
==========

17044
7/14/17

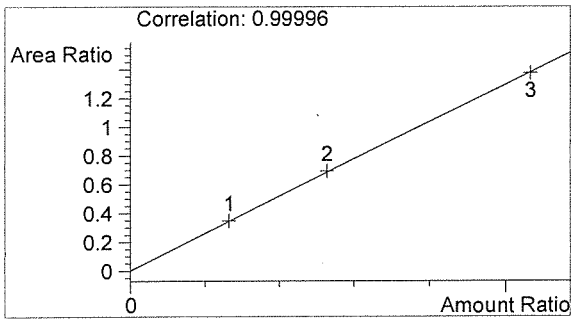
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/23/2017 2:52:32 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ess 17044

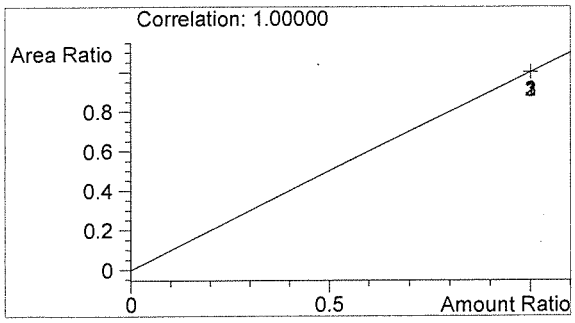
Sample Name: blank
Operator: asa louis
Location: Vial 1



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



Ethanol 0.000 g/100mL

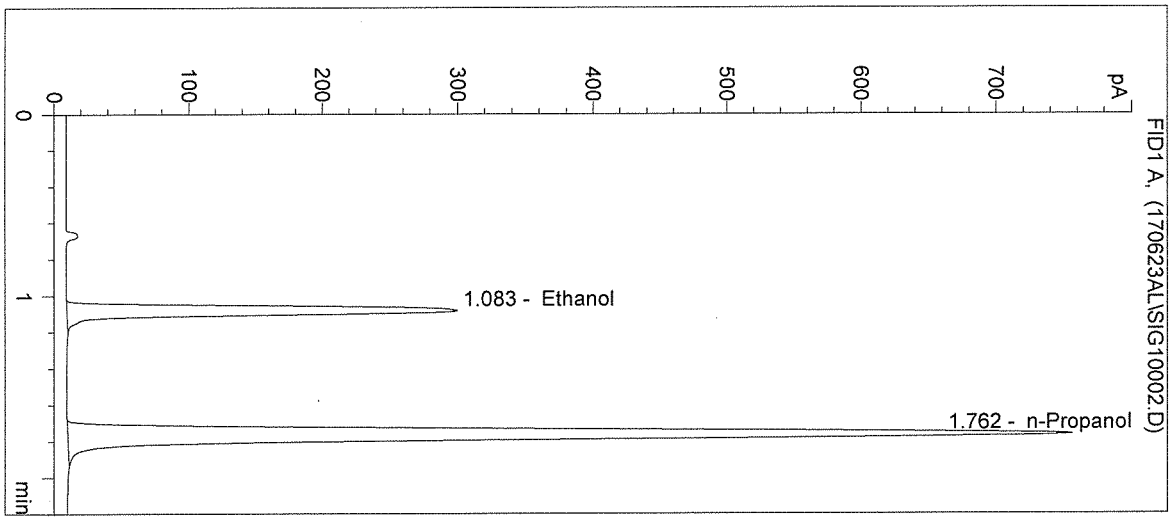


n-Propanol 0.000 g/100mL

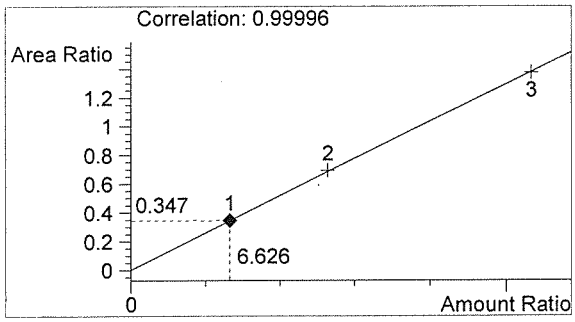
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/23/2017 2:55:51 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ess 17044

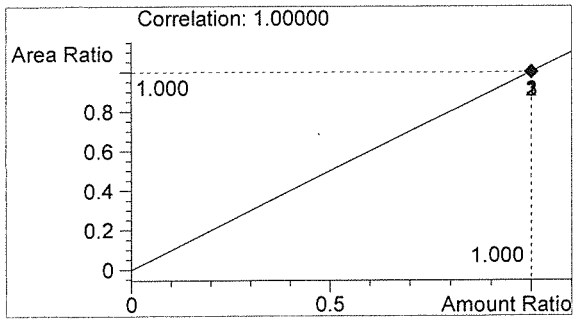
Sample Name: 0.079 cal 1
Operator: asa louis
Location: Vial 2



#	Compound	Peak Area	RT (min)
1	Ethanol	962	1.083
2	n-Propanol	2774	1.762



Ethanol 0.080 g/100mL

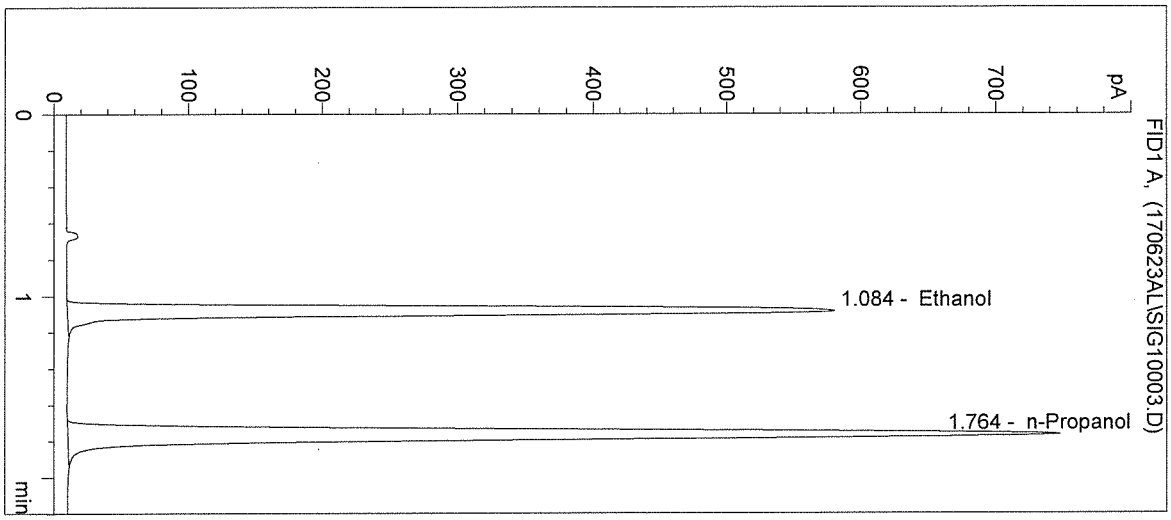


n-Propanol 0.012 g/100mL

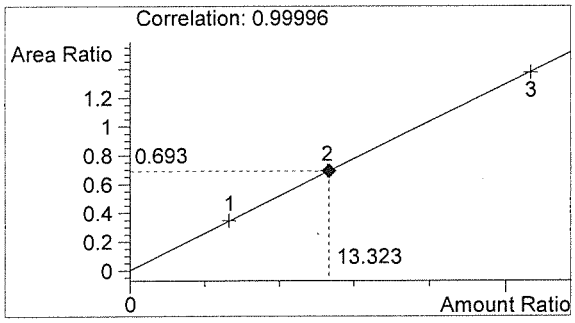
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/23/2017 2:59:08 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ess 17044

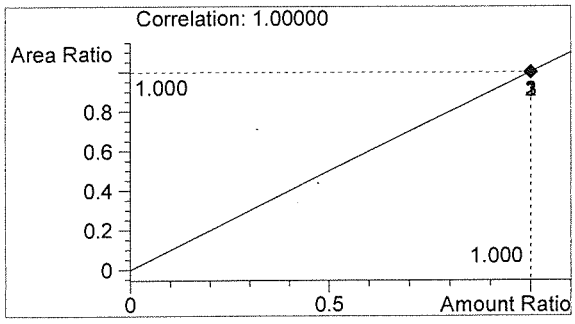
Sample Name: 0.158 cal 2
Operator: asa louis
Location: Vial 3



#	Compound	Peak Area	RT (min)
1	Ethanol	1904	1.084
2	n-Propanol	2750	1.764



Ethanol 0.160 g/100mL

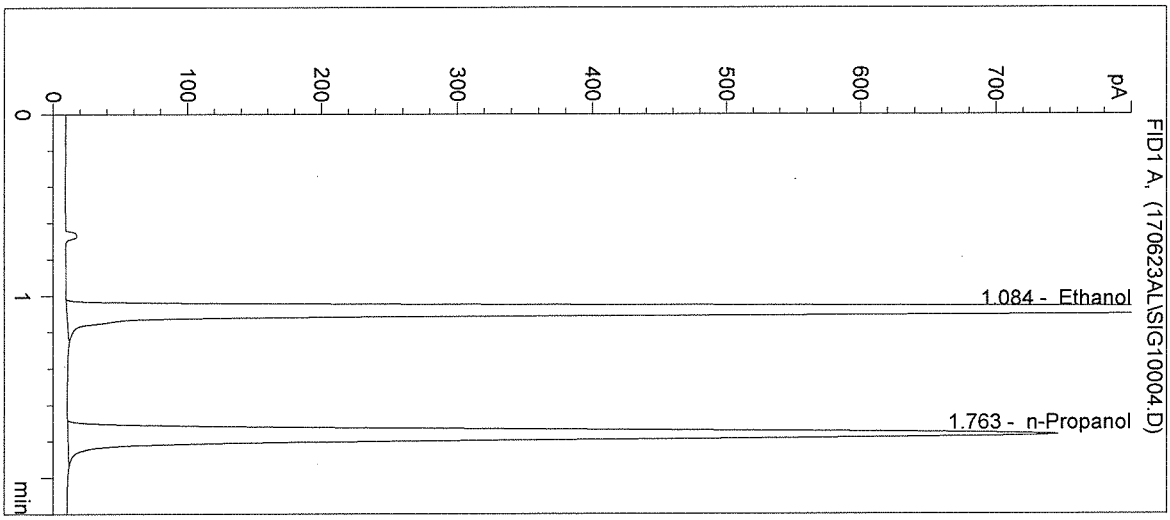


n-Propanol 0.012 g/100mL

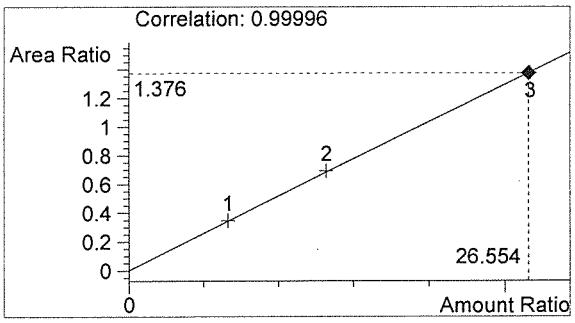
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/23/2017 3:02:25 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ess 17044

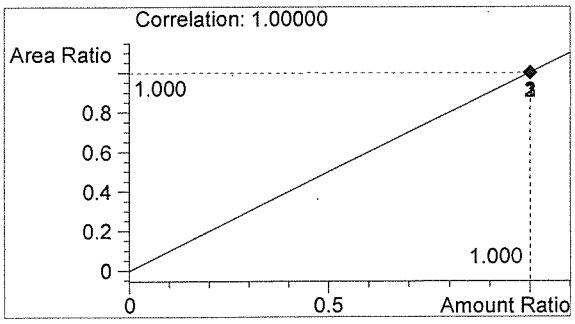
Sample Name: 0.316 cal 3
Operator: asa louis
Location: Vial 4



#	Compound	Peak Area	RT (min)
1	Ethanol	3761	1.084
2	n-Propanol	2734	1.763



Ethanol 0.319 g/100mL

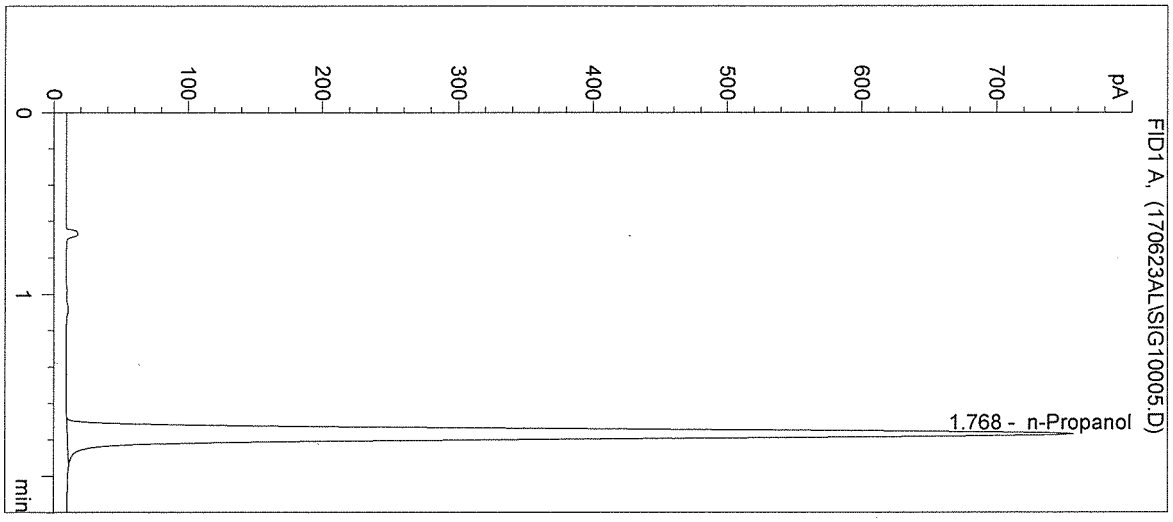


n-Propanol 0.012 g/100mL

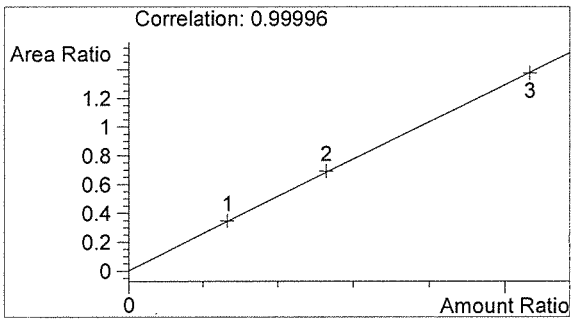
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/23/2017 3:05:38 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ess 17044

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

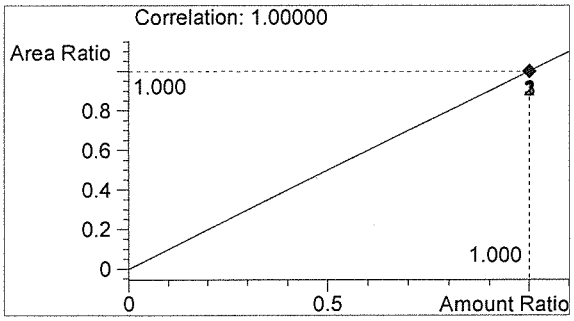


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2796	1.768



Ethanol 0.000 g/100mL

BT



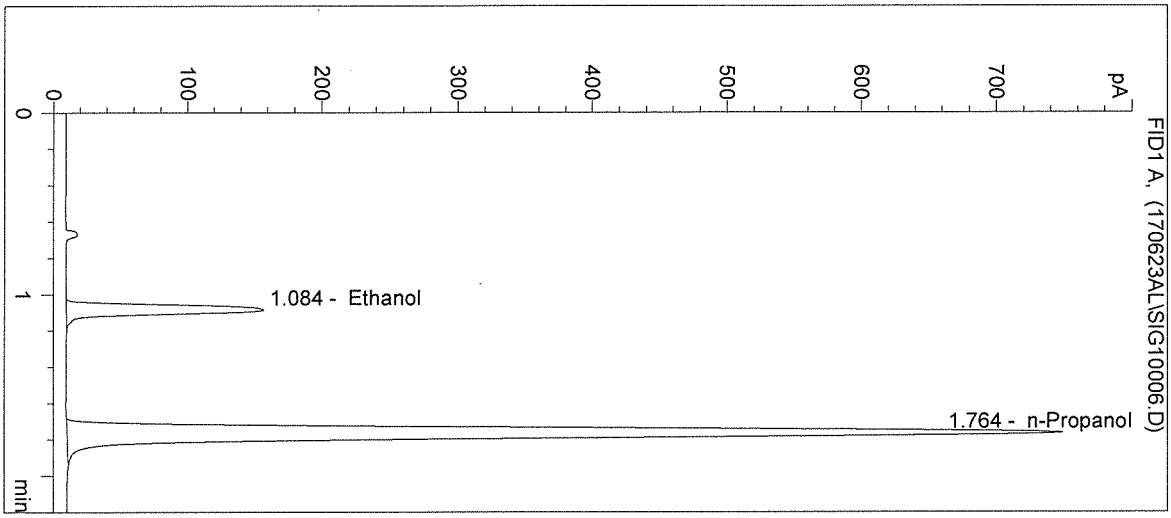
n-Propanol 0.012 g/100mL

al

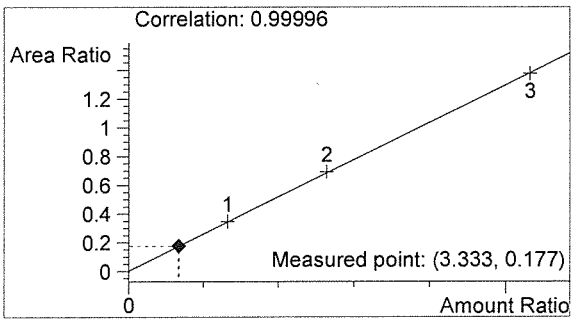
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/23/2017 3:08:51 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ess 17044

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

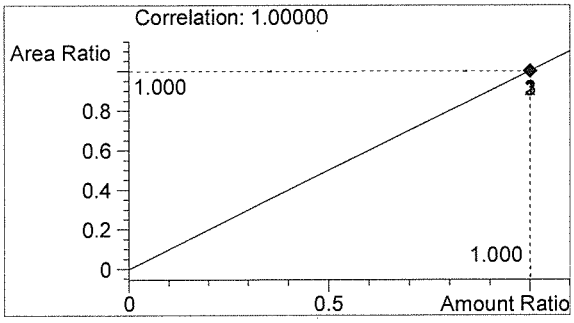


#	Compound	Peak Area	RT (min)
1	Ethanol	488	1.084
2	n-Propanol	2760	1.764



Ethanol 0.040 g/100mL

NOT

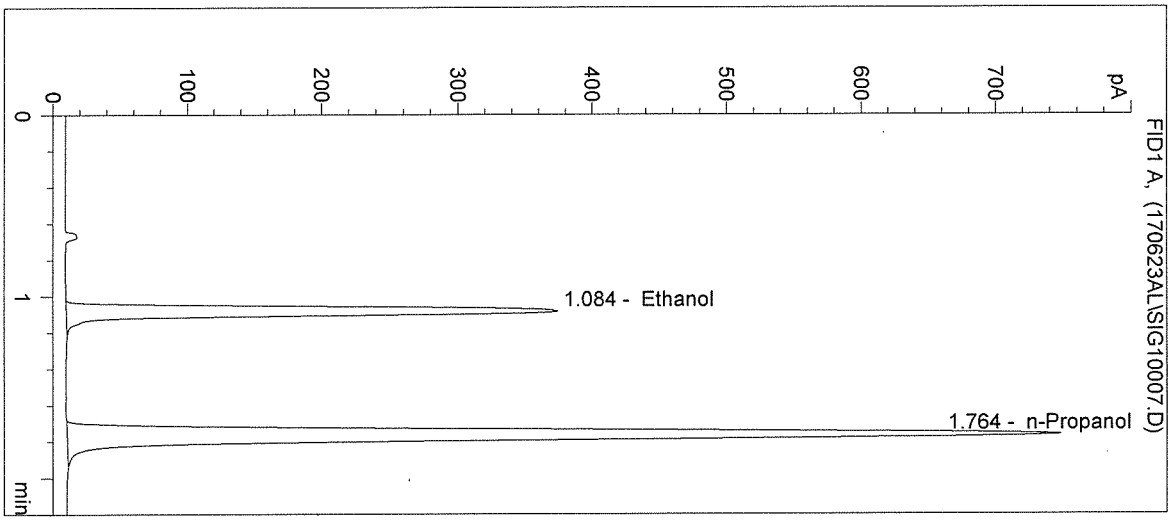


n-Propanol 0.012 g/100mL

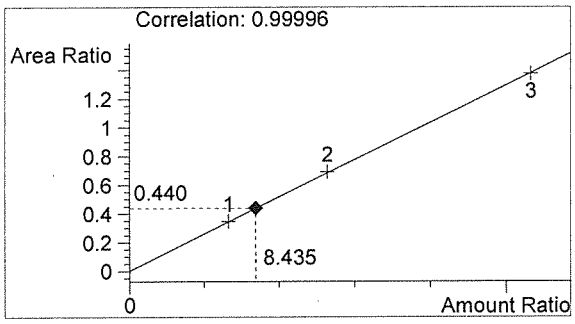
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/23/2017 3:12:05 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ess 17044

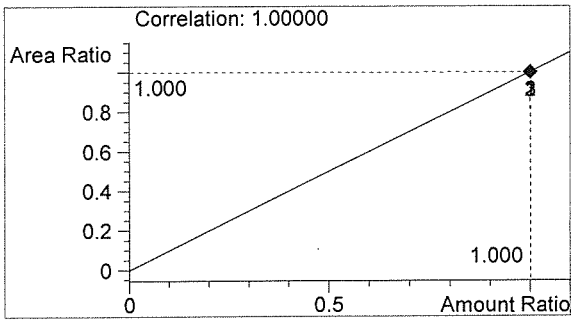
Sample Name: 0.10 ctrl al
Operator: asa louis
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	1211	1.084
2	n-Propanol	2751	1.764



Ethanol 0.101 g/100mL

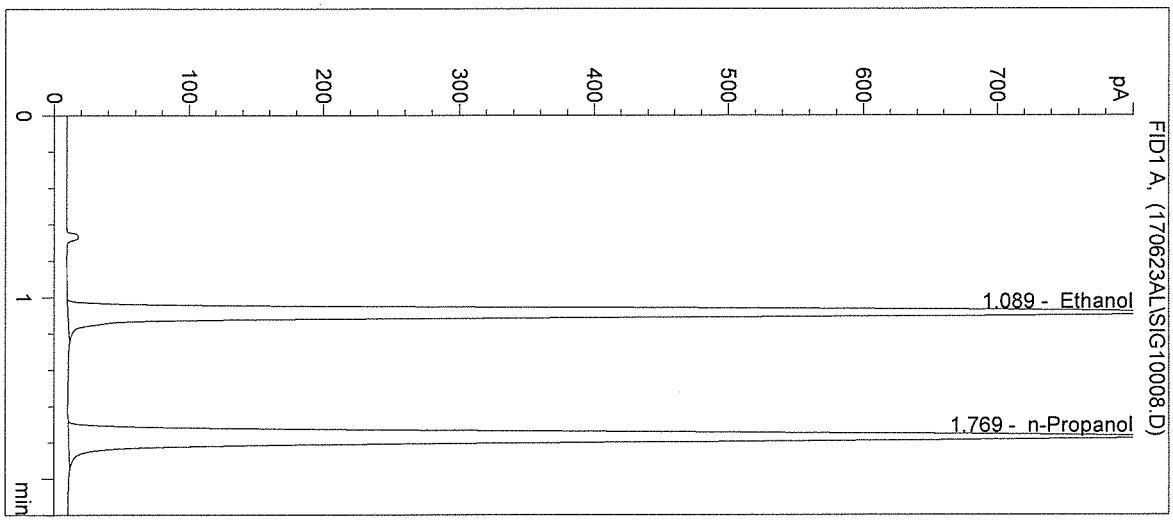


n-Propanol 0.012 g/100mL

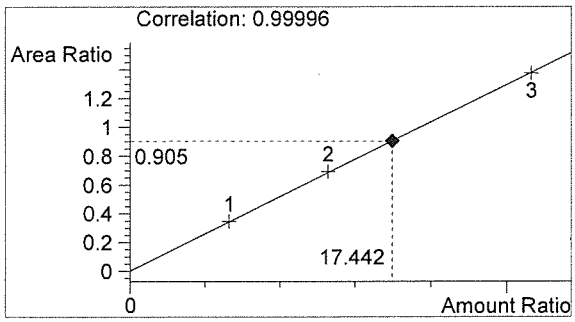
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/23/2017 3:15:18 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ess 17044

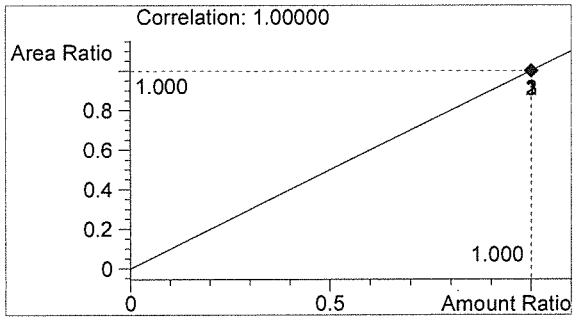
Sample Name: 0.20 ctrl al
Operator: asa louis
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	2788	1.089
2	n-Propanol	3080	1.769



Ethanol 0.209 g/100mL



n-Propanol 0.012 g/100mL

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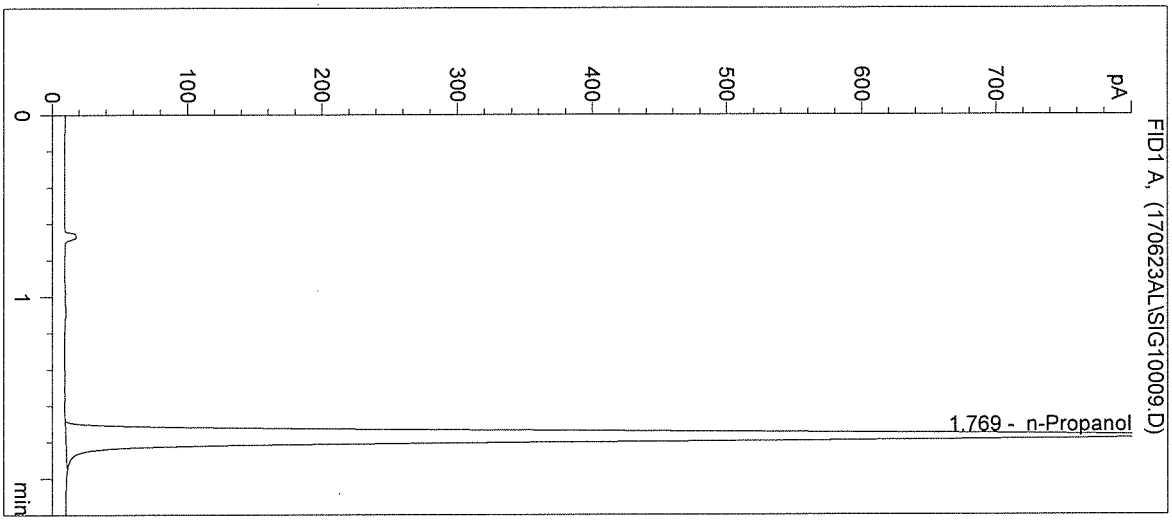
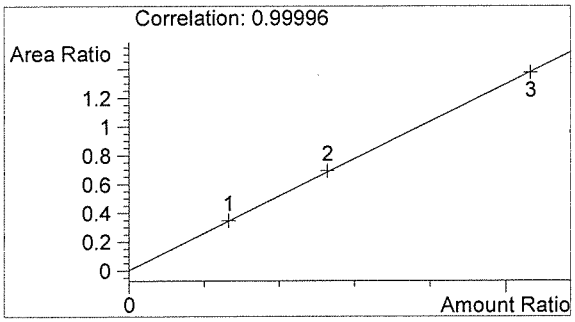
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/23/2017 3:18:31 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ess 17044

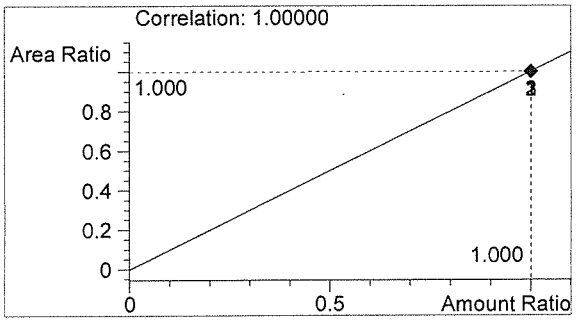
Sample Name: neg control - al
Operator: asa louis
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	3172	1.769



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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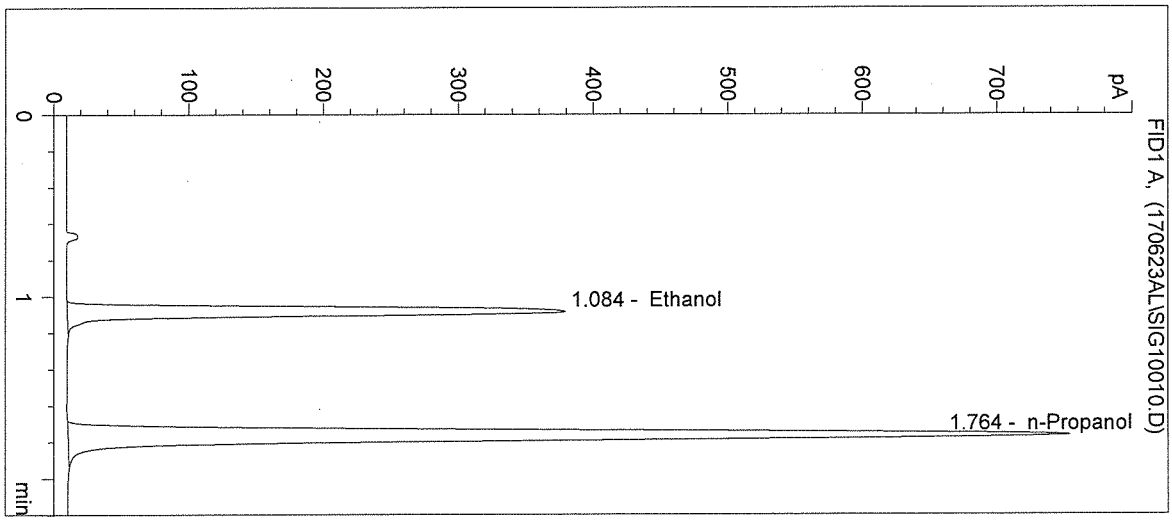
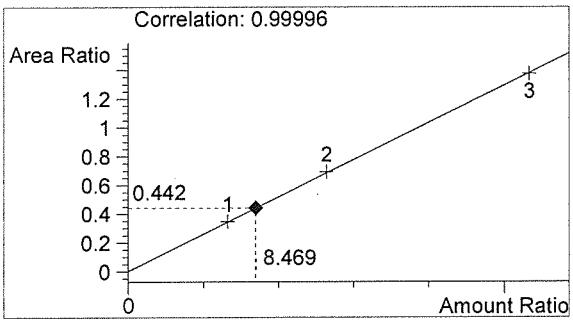
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/23/2017 3:21:45 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

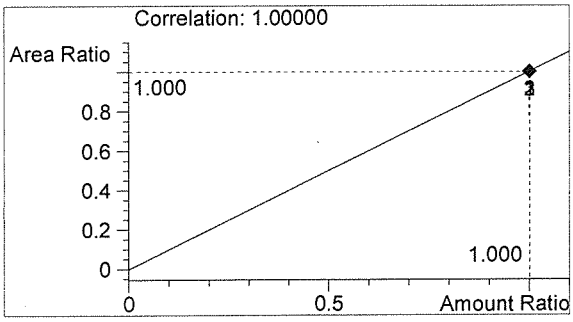
Sample Name: 17044 #1
Operator: asa louis
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	1227	1.084
2	n-Propanol	2777	1.764



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

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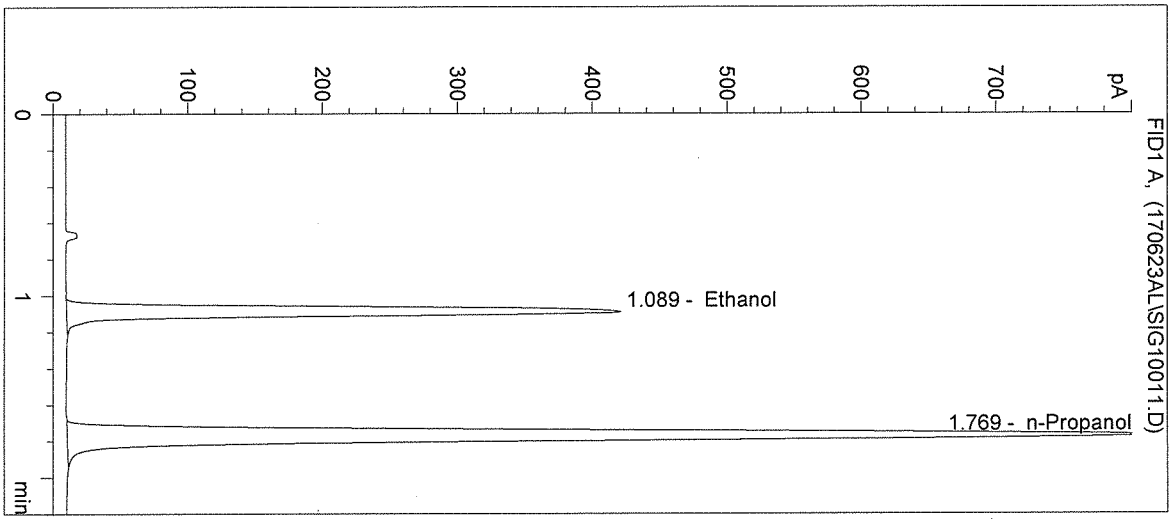
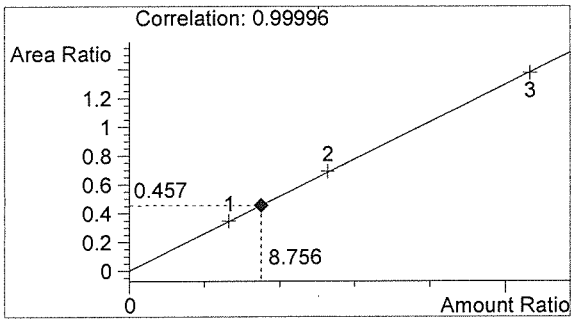
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/23/2017 3:24:58 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

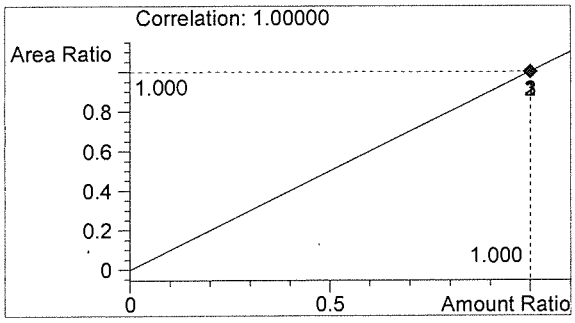
Sample Name: 17044 #2
Operator: asa louis
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	1388	1.089
2	n-Propanol	3039	1.769



Ethanol 0.105 g/100mL



n-Propanol 0.012 g/100mL

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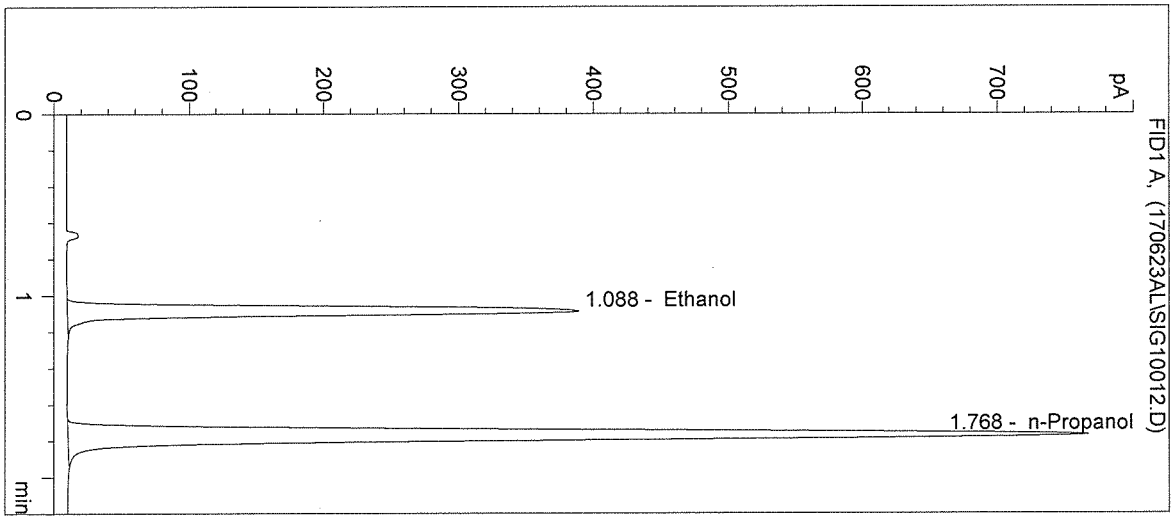
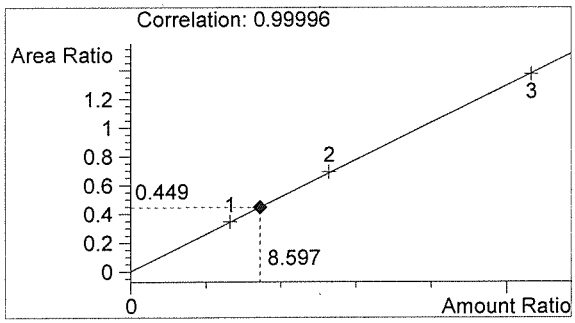
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/23/2017 3:28:11 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

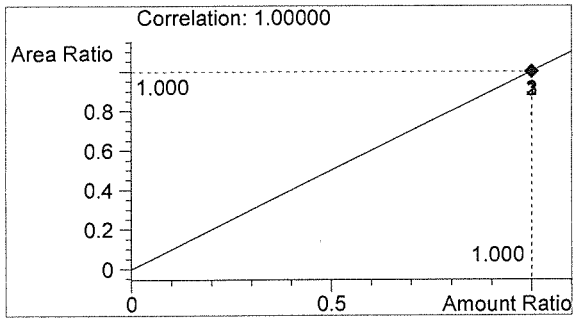
Sample Name: 17044 #3
Operator: asa louis
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	1274	1.088
2	n-Propanol	2840	1.768



Ethanol 0.103 g/100mL



n-Propanol 0.012 g/100mL

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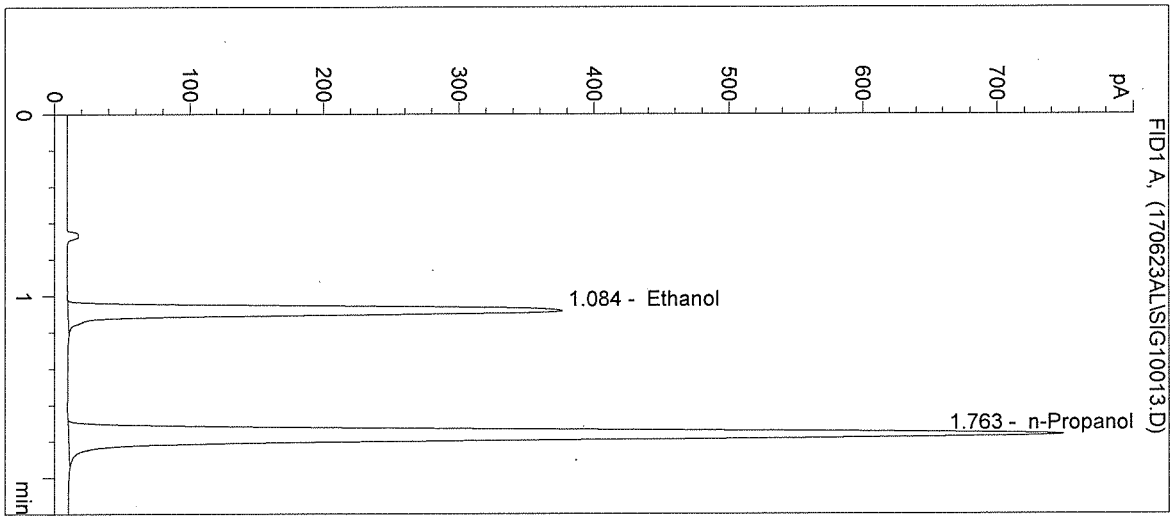
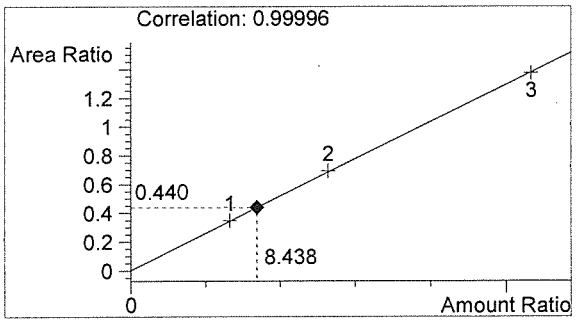
Inj. Date: 6/23/2017 3:31:25 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

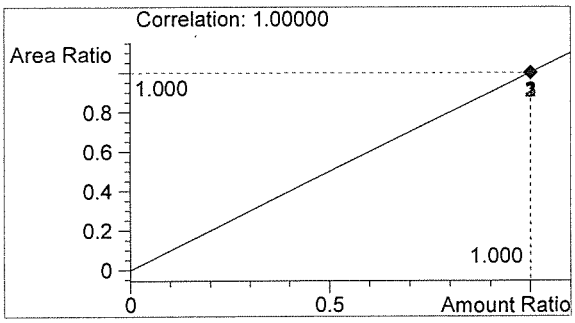
Sample Name: 17044 #4
Operator: asa louis
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	1215	1.084
2	n-Propanol	2760	1.763



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

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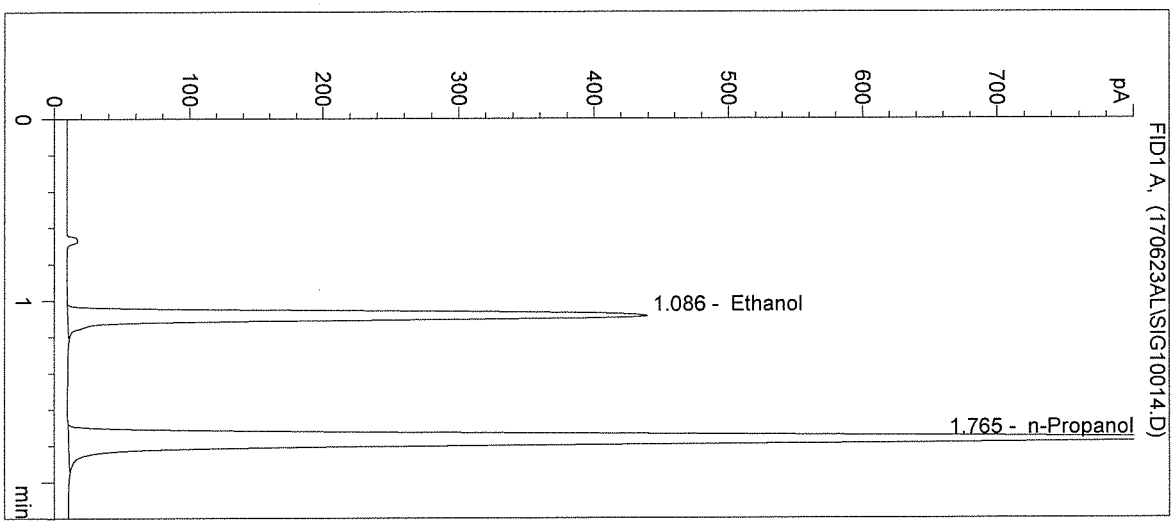
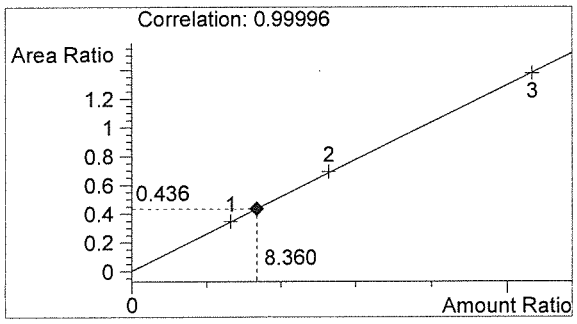
Inj. Date: 6/23/2017 3:34:38 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

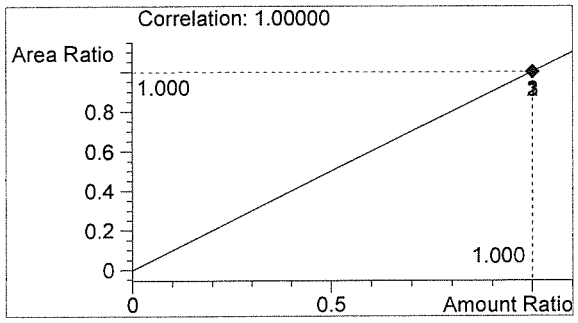
Sample Name: 17044 #5
Operator: asa louis
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	1423	1.086
2	n-Propanol	3261	1.765



Ethanol 0.100 g/100mL



n-Propanol 0.012 g/100mL

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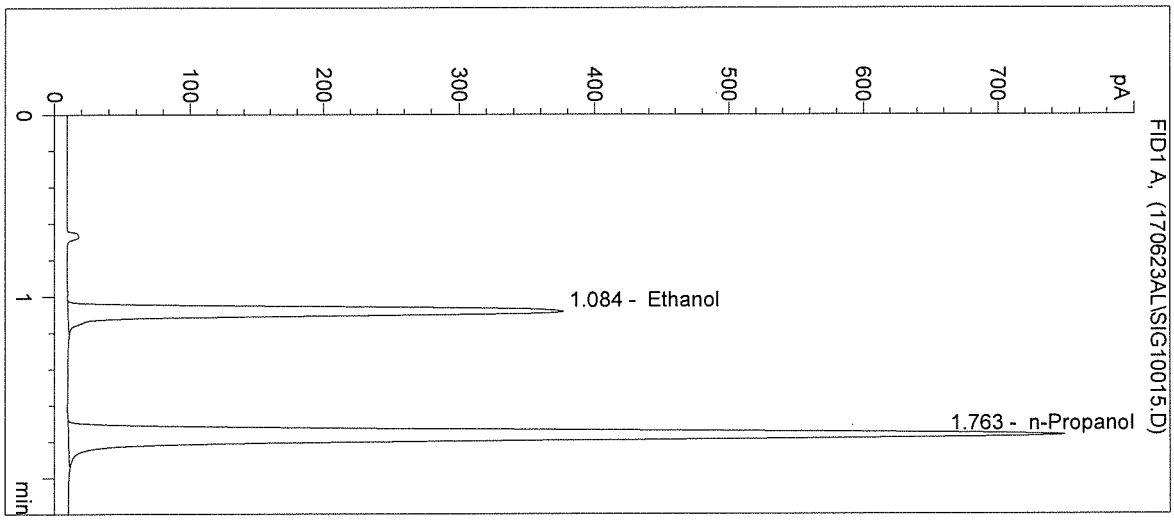
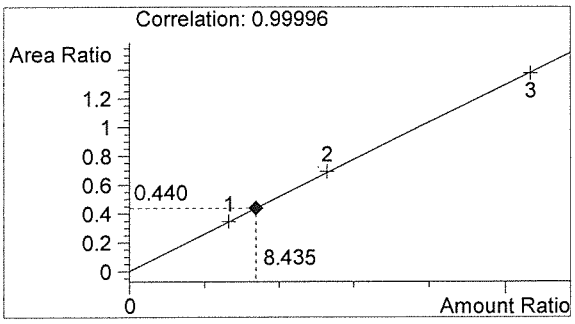
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/23/2017 3:37:51 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ess 17044

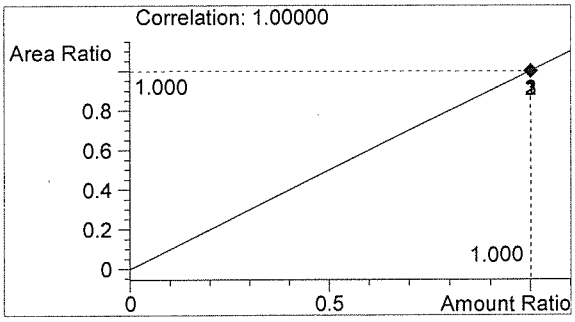
Sample Name: 0.10 ctrl al
Operator: asa louis
Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	1215	1.084
2	n-Propanol	2761	1.763



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

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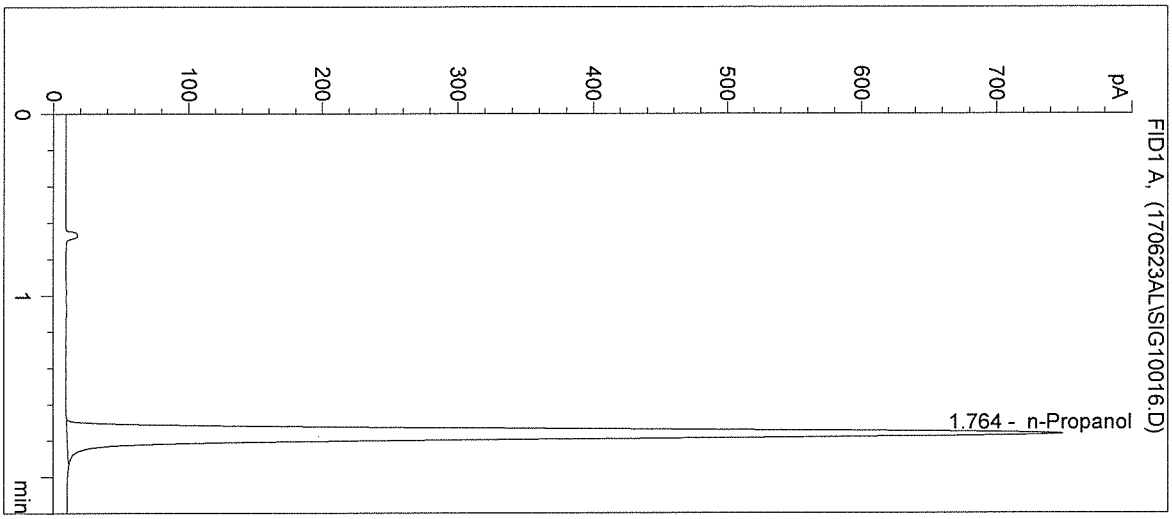
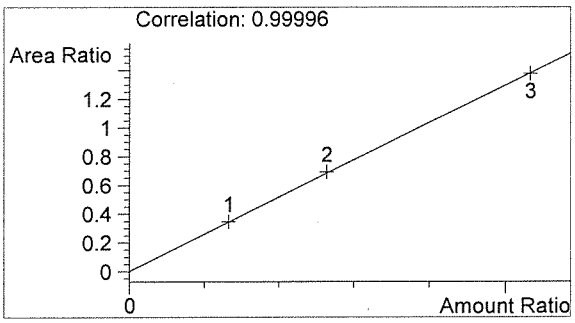
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/23/2017 3:41:05 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: ess 17044

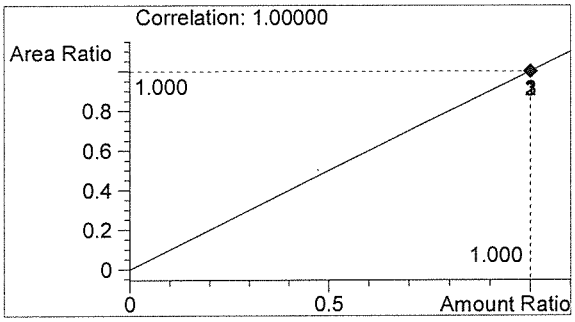
Sample Name: neg control - al
Operator: asa louis
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2745	1.764



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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

Sequence Parameters:

Operator:	Lyndsey Knoy
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	170626LK
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E0217-01 - Exp. 08/21/2017
Ethanol Calibrator 2, E0217-02 - Exp. 08/21/2017
Ethanol Calibrator 3, E0217-03 - Exp. 08/21/2017

CTRL1 (0.04g/100mL), Lot # FN12181501 - Exp. 12/2020
CTRL2 (0.10g/100mL), Lot # FN08051301 - Exp. 10/2018
CTRL3 (0.20g/100mL), Lot # FN08101505 - Exp. 02/2021

Internal Standard Lot#P0517 - Exp. 08/18/2017

Diluter #3

Calibration vials 1-9 filed with 17044

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	17044 #1	SIMALC1	1	Sample		
11	Vial 11	17044 #2	SIMALC1	1	Sample		
12	Vial 12	17044 #3	SIMALC1	1	Sample		
13	Vial 13	17044 #4	SIMALC1	1	Sample		
14	Vial 14	17044 #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	17050 #1	SIMALC1	1	Sample		
18	Vial 18	17050 #2	SIMALC1	1	Sample		
19	Vial 19	17050 #3	SIMALC1	1	Sample		
20	Vial 20	17050 #4	SIMALC1	1	Sample		
21	Vial 21	17050 #5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC1	1	Ctrl Samp		

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JK

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

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

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LK

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

Calibration Table

Calib. Data Modified : Monday, June 26, 2017 2:29:02 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

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Signal 1: FID1 A,

RetTime [min]	Lvl	Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.084	1	1	1	7.91500e-2	969.50043	8.16400e-5	1		Ethanol
			2	1.58300e-1	1931.65088	8.19506e-5			
			3	3.19520e-1	3818.93604	8.36673e-5			
1.763	1	1	1	1.20000e-2	2775.28809	4.32388e-6	I1		n-Propanol
			2	1.20000e-2	2770.33789	4.33160e-6			
			3	1.20000e-2	2743.44458	4.37406e-6			

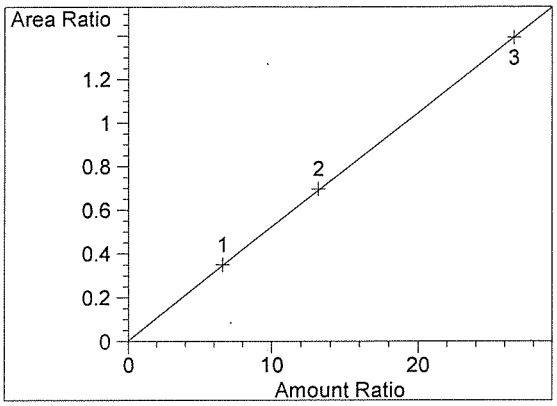
Peak Sum Table

No Entries in table

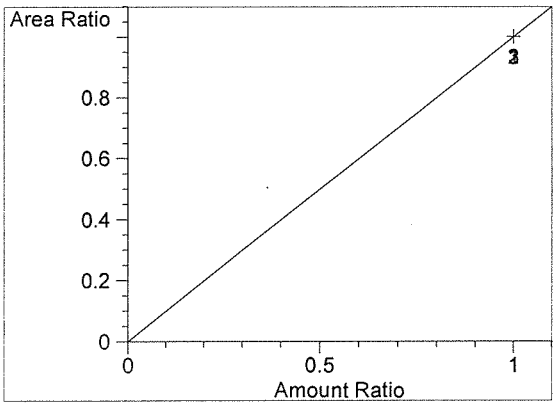
==========

Calibration Curves

==========



Ethanol at exp. RT: 1.084
FID1 A,
Correlation: 0.99998
Residual Std. Dev.: 0.00454
Formula: y = mx + b
m: 5.22522e-2
b: 3.34351e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.763
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

==========

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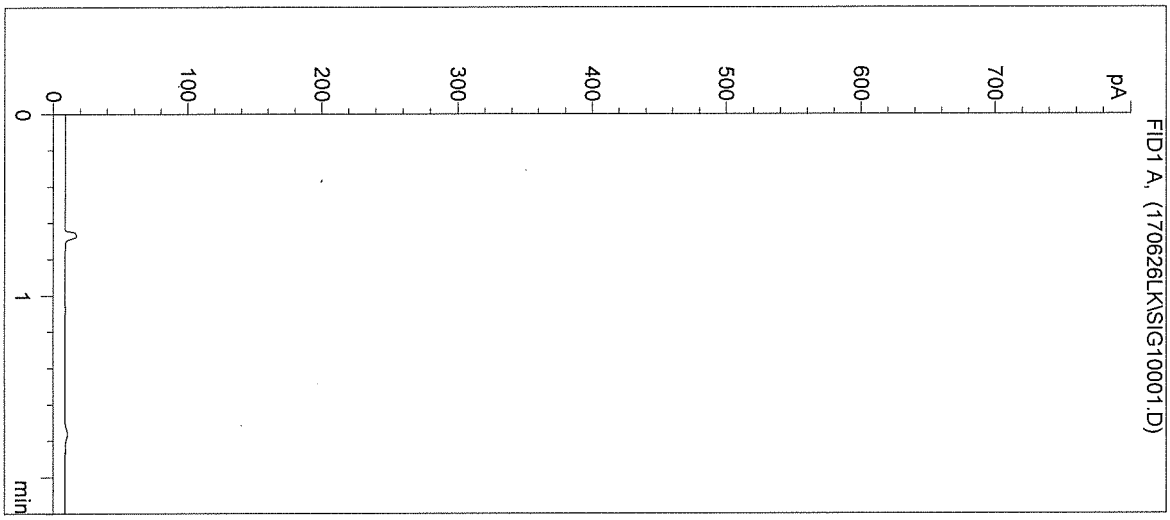
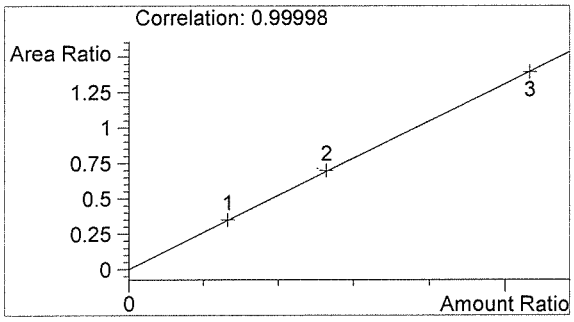
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/26/2017 2:16:56 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

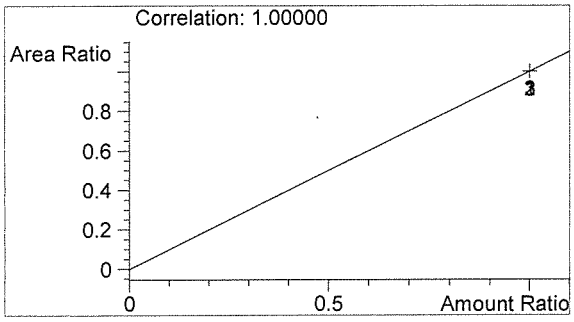
Sample Name: BLANK
Operator: Lyndsey Knoy
Location: Vial 1



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



Ethanol 0.000 g/100mL

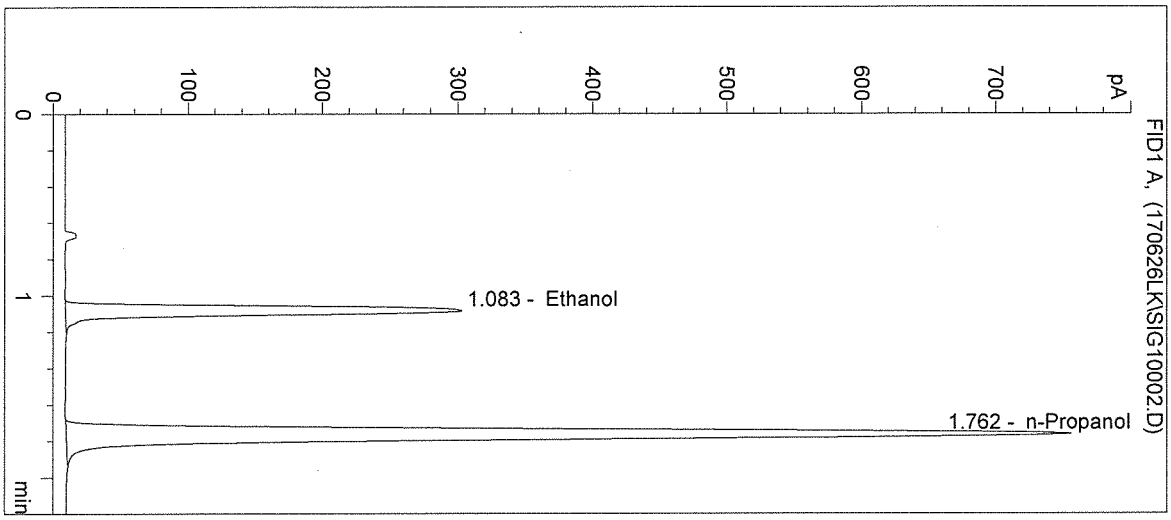


n-Propanol 0.000 g/100mL

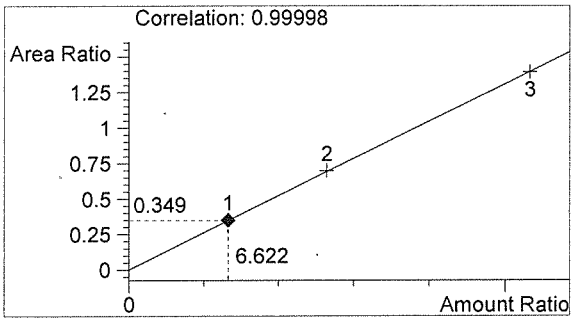
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/26/2017 2:20:15 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

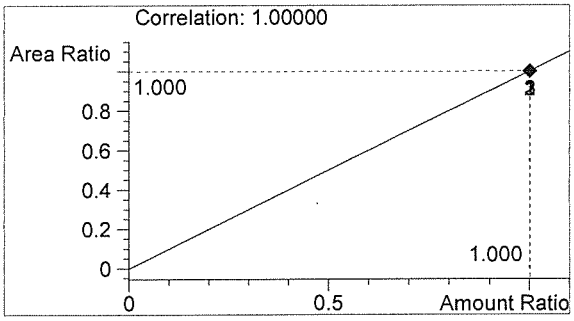
Sample Name: 0.079 CAL 1
Operator: Lyndsey Knoy
Location: Vial 2



#	Compound	Peak Area	RT (min)
1	Ethanol	970	1.083
2	n-Propanol	2775	1.762



Ethanol 0.079 g/100mL

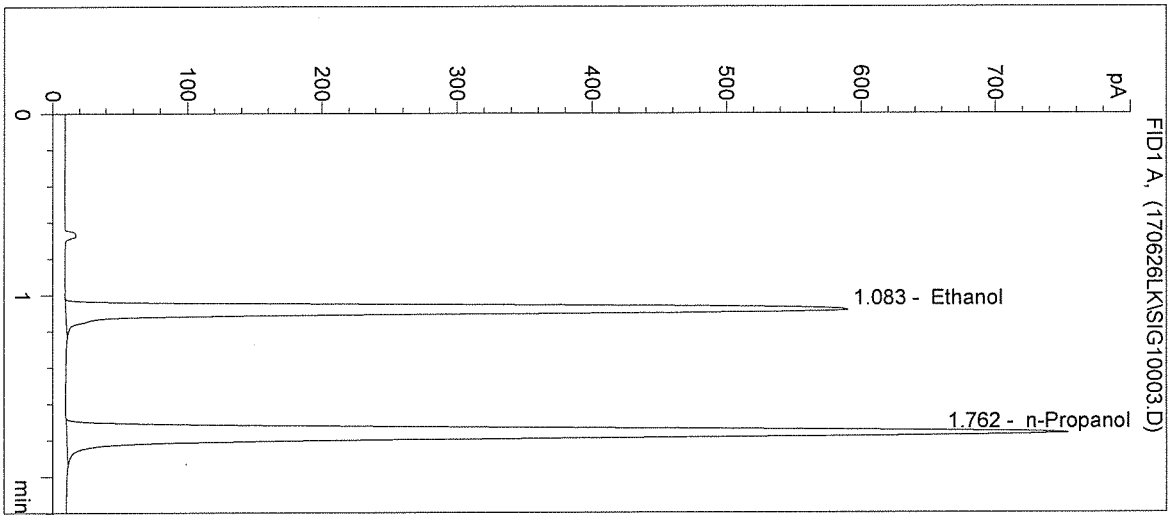


n-Propanol 0.012 g/100mL

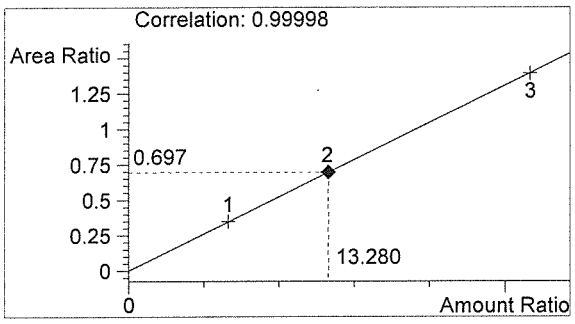
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/26/2017 2:23:32 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

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

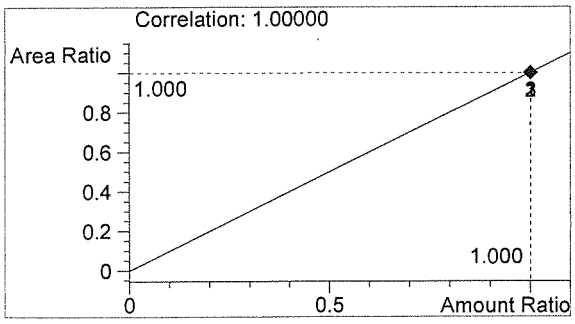


#	Compound	Peak Area	RT (min)
1	Ethanol	1932	1.083
2	n-Propanol	2770	1.762



Ethanol 0.159 g/100mL

135

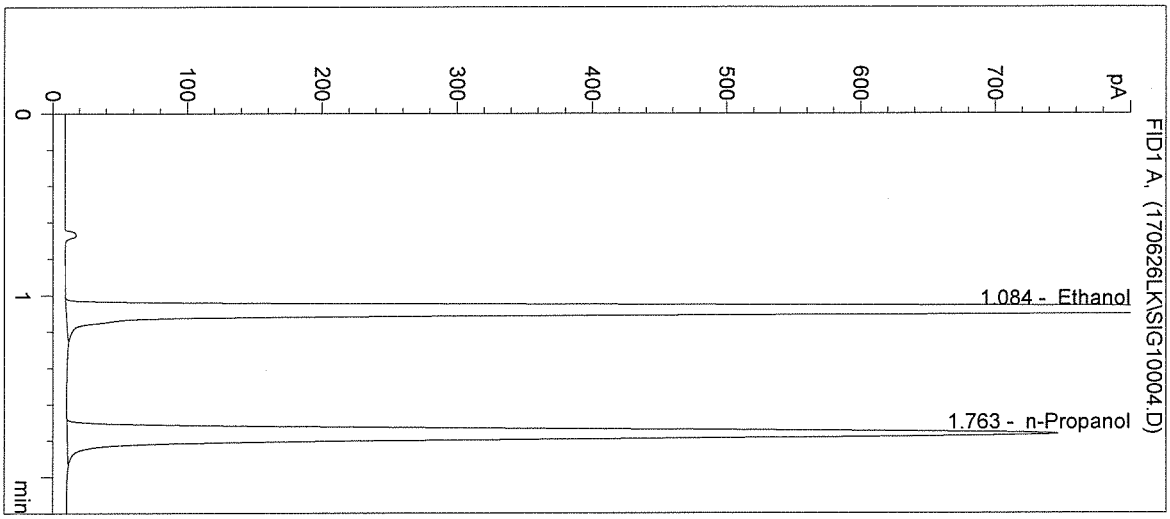


n-Propanol 0.012 g/100mL

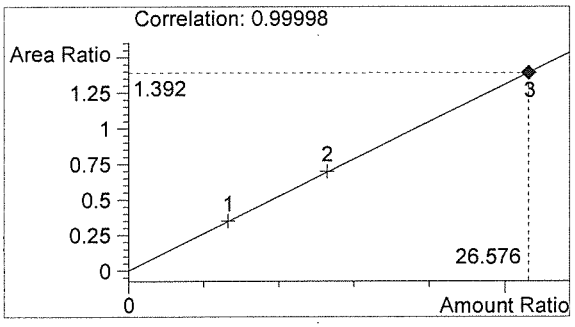
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/26/2017 2:26:49 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

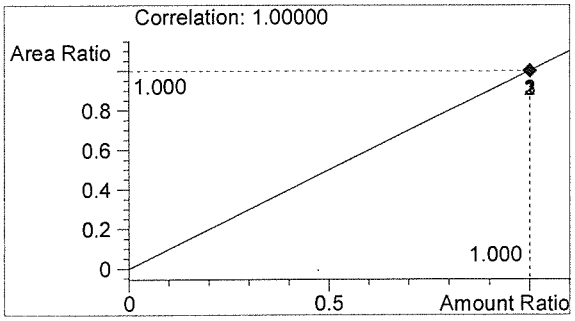
Sample Name: 0.316 CAL 3
Operator: Lyndsey Knoy
Location: Vial 4



#	Compound	Peak Area	RT (min)
1	Ethanol	3819	1.084
2	n-Propanol	2743	1.763



Ethanol 0.319 g/100mL



n-Propanol 0.012 g/100mL

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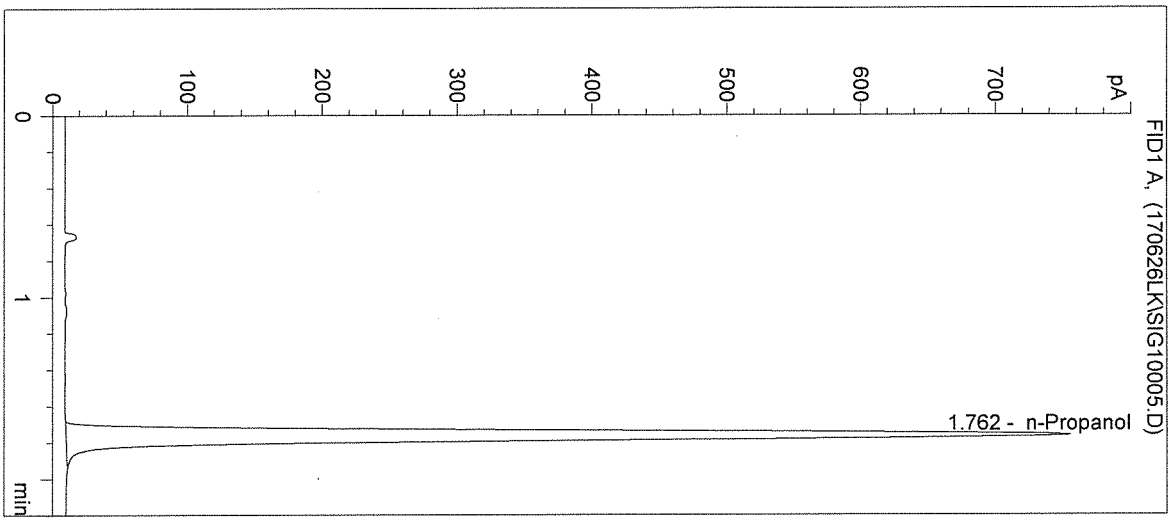
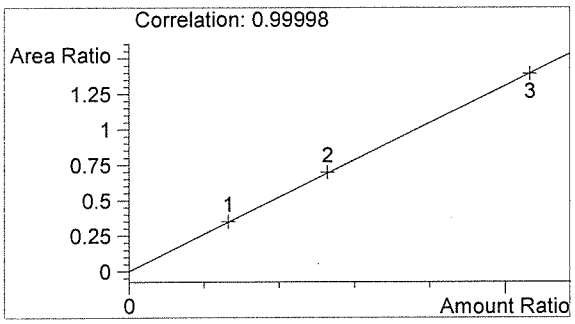
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/26/2017 2:30:02 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

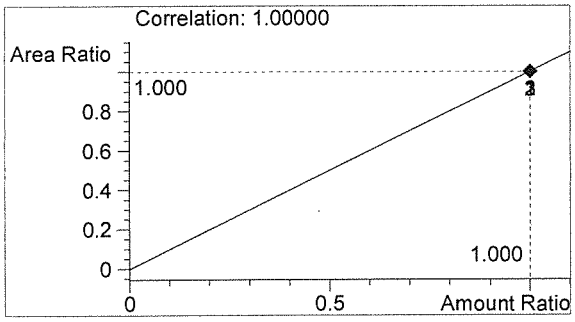
Sample Name: NEG CTRL
Operator: Lyndsey Knoy
Location: Vial 5



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2764	1.762



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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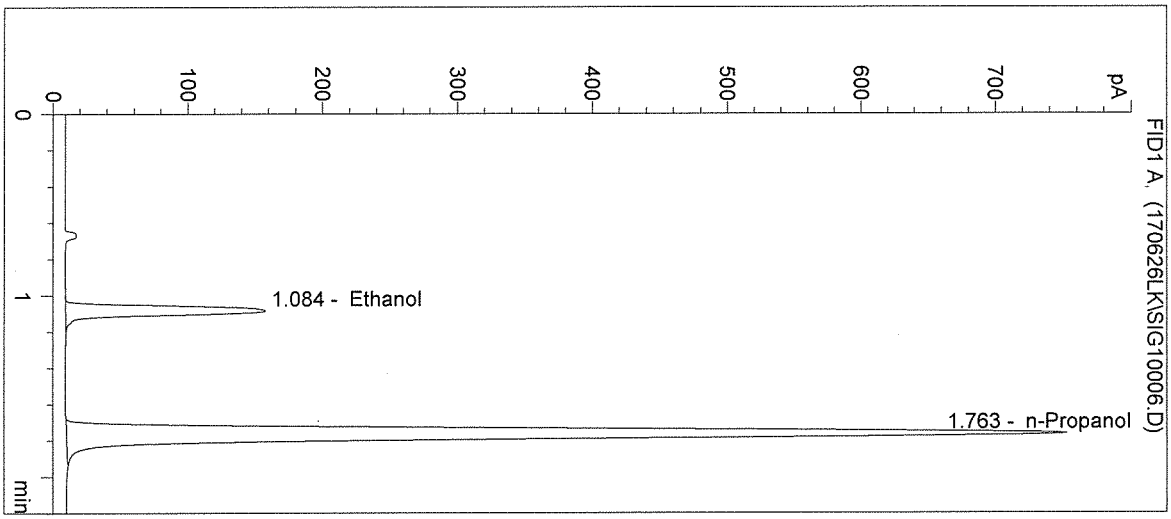
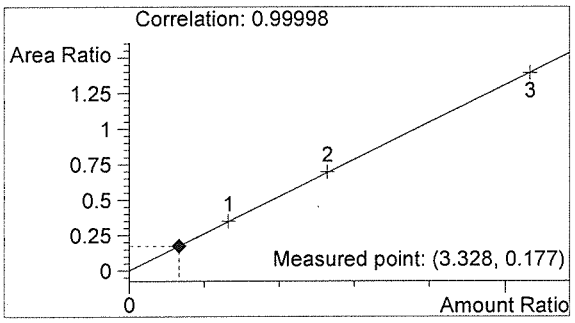
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/26/2017 2:33:15 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

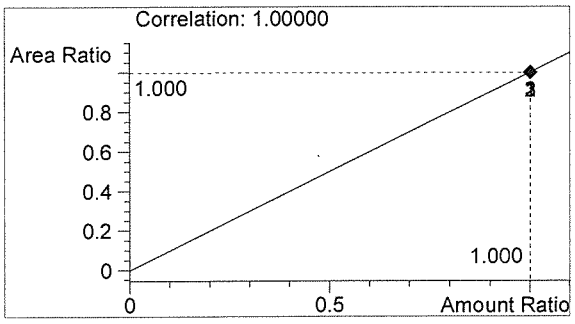
Sample Name: 0.04 CTRL
Operator: Lyndsey Knoy
Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	491	1.084
2	n-Propanol	2767	1.763



Ethanol 0.040 g/100mL



n-Propanol 0.012 g/100mL

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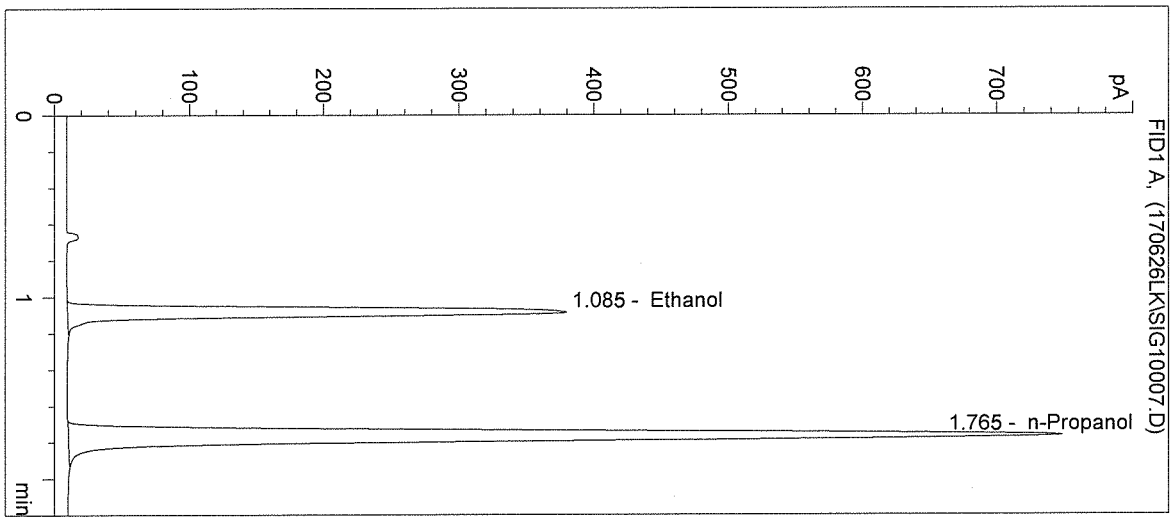
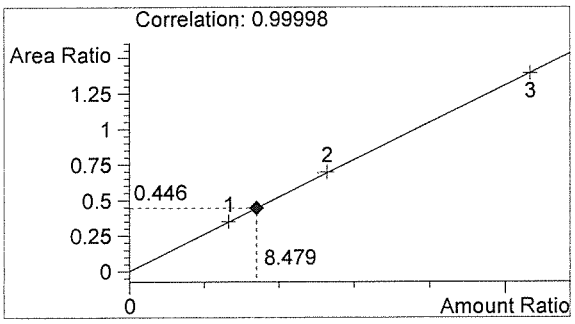
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/26/2017 2:36:29 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

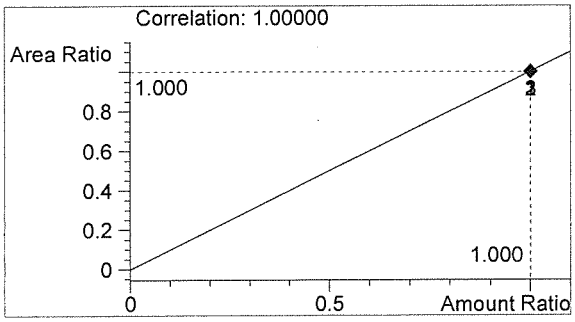
Sample Name: 0.10 CTRL
Operator: Lyndsey Knoy
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	1232	1.085
2	n-Propanol	2761	1.765



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

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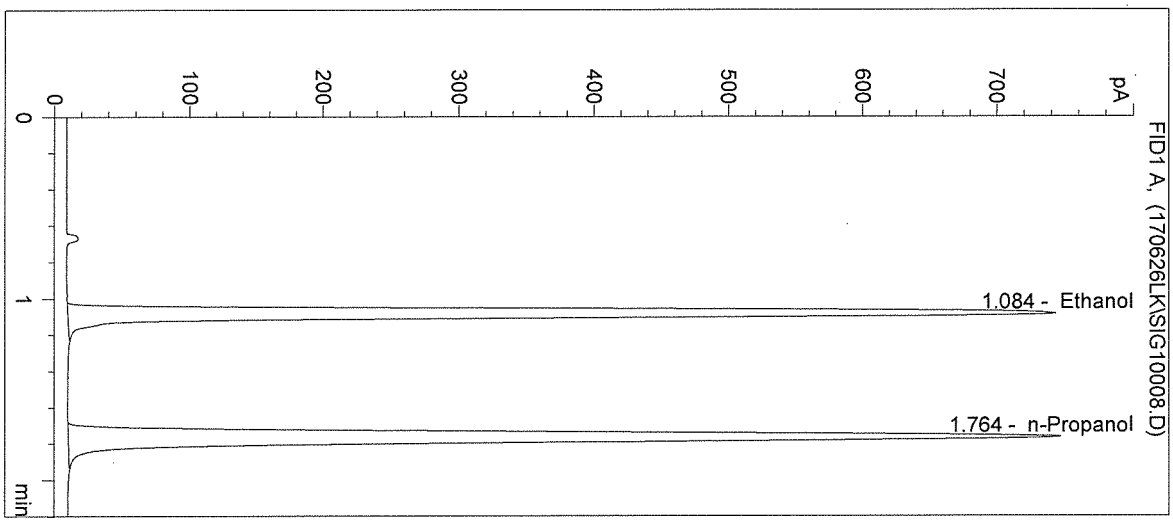
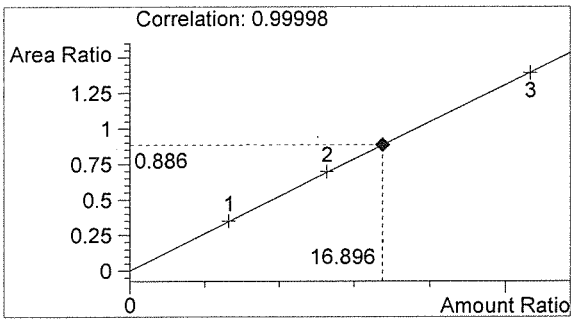
Inj. Date: 6/26/2017 2:39:42 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

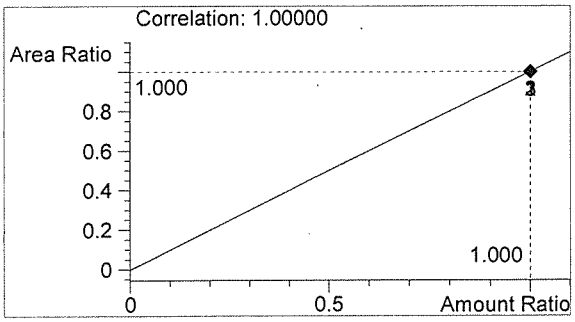
Sample Name: 0.20 CTRL
Operator: Lyndsey Knoy
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	2437	1.084
2	n-Propanol	2750	1.764



Ethanol 0.203 g/100mL



n-Propanol 0.012 g/100mL

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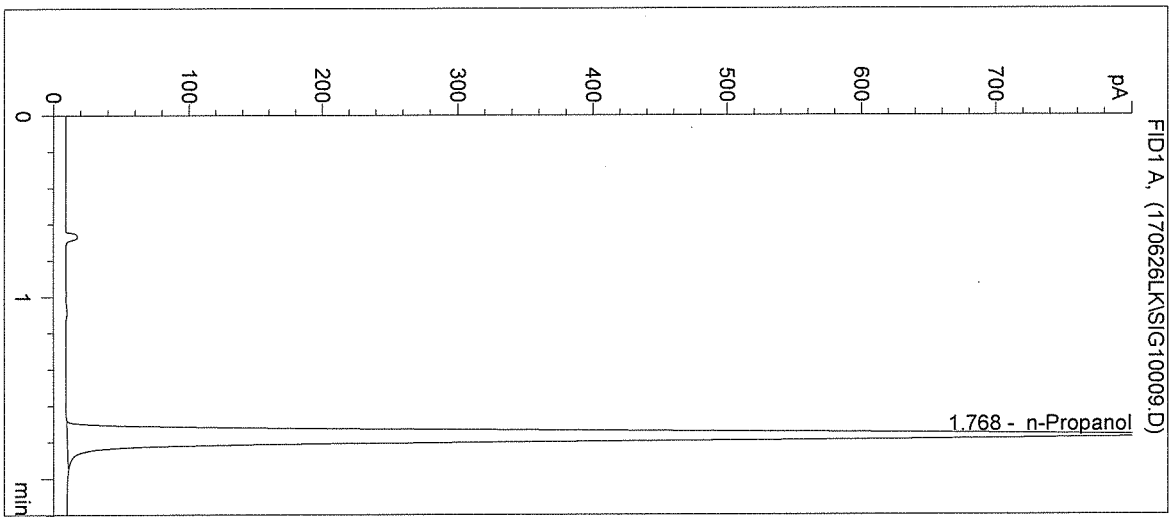
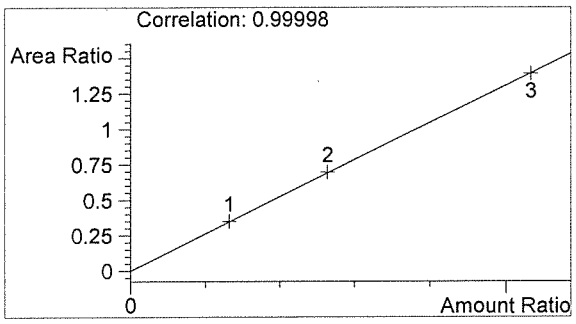
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/26/2017 2:42:55 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

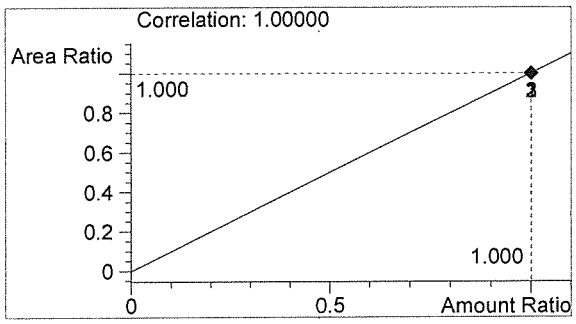
Sample Name: NEG CTRL
Operator: Lyndsey Knoy
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	3069	1.768



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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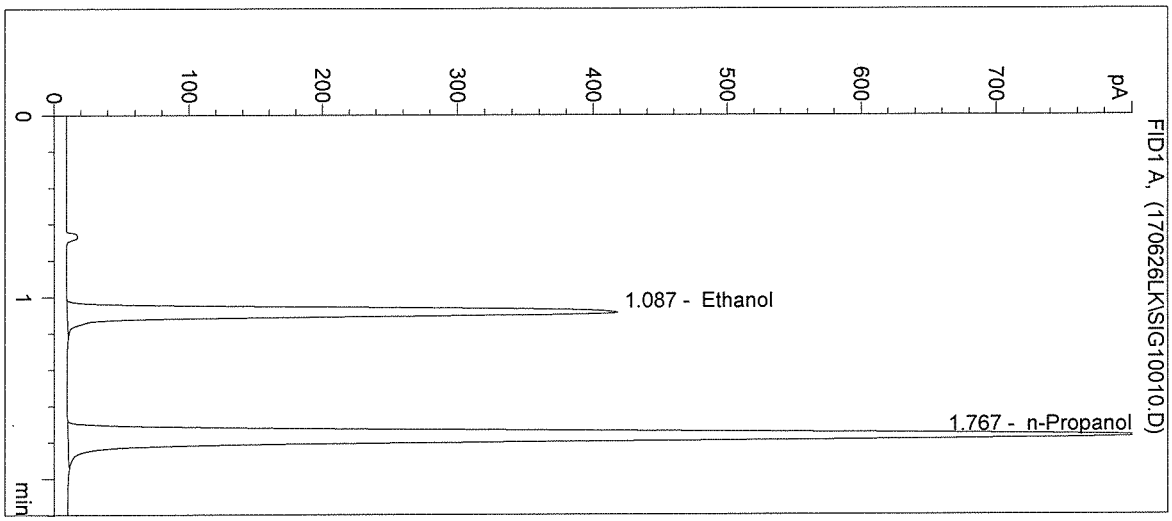
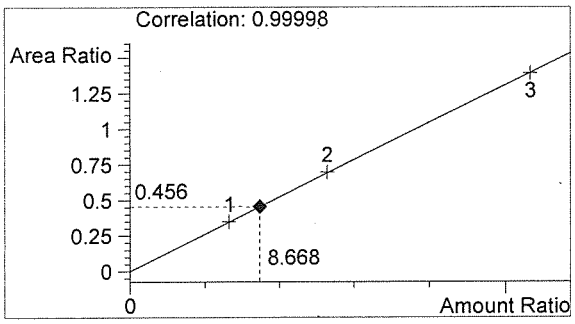
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/26/2017 2:46:09 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

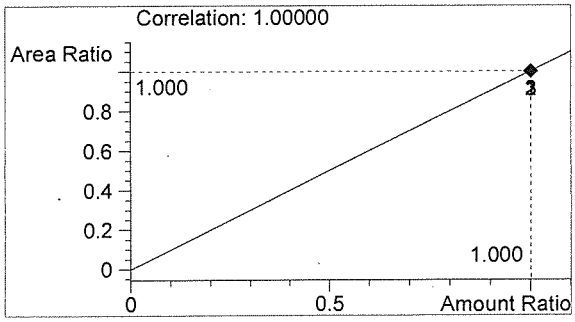
Sample Name: 17044 #1
Operator: Lyndsey Knoy
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	1373	1.087
2	n-Propanol	3009	1.767



Ethanol 0.104 g/100mL



n-Propanol 0.012 g/100mL

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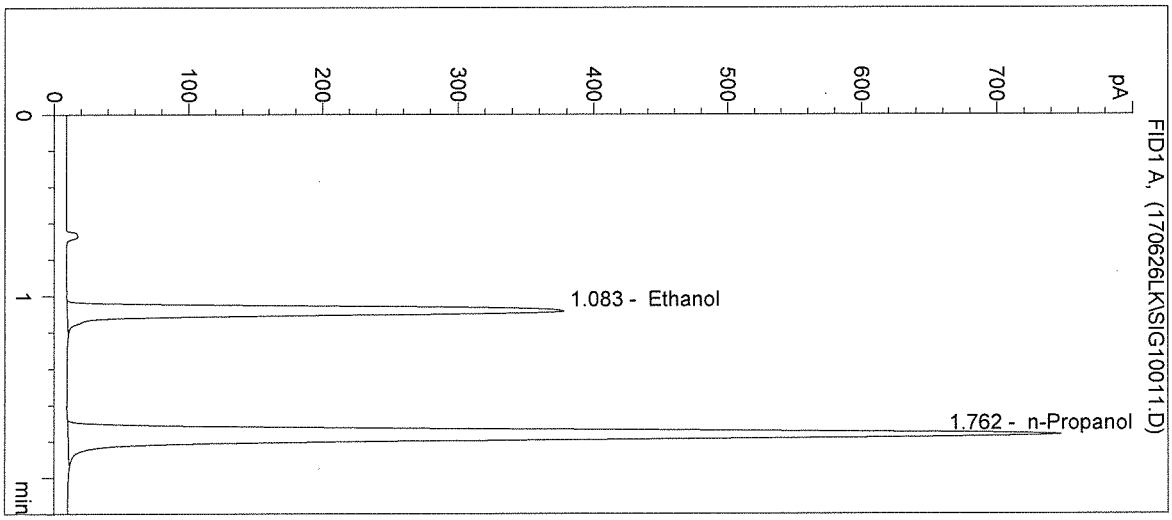
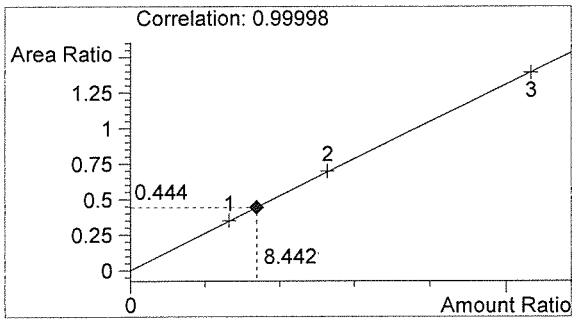
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/26/2017 2:49:21 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

Sample Name: 17044 #2
Operator: Lyndsey Knoy
Location: Vial 11

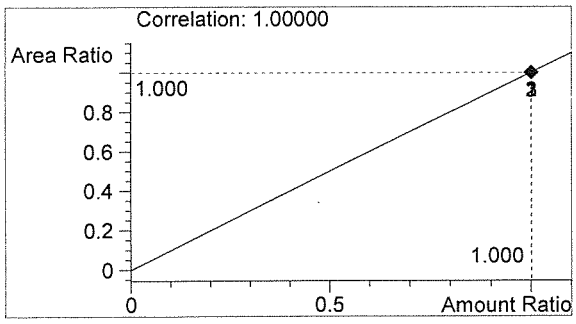


#	Compound	Peak Area	RT (min)
1	Ethanol	1215	1.083
2	n-Propanol	2733	1.762



Ethanol 0.101 g/100mL

BJT



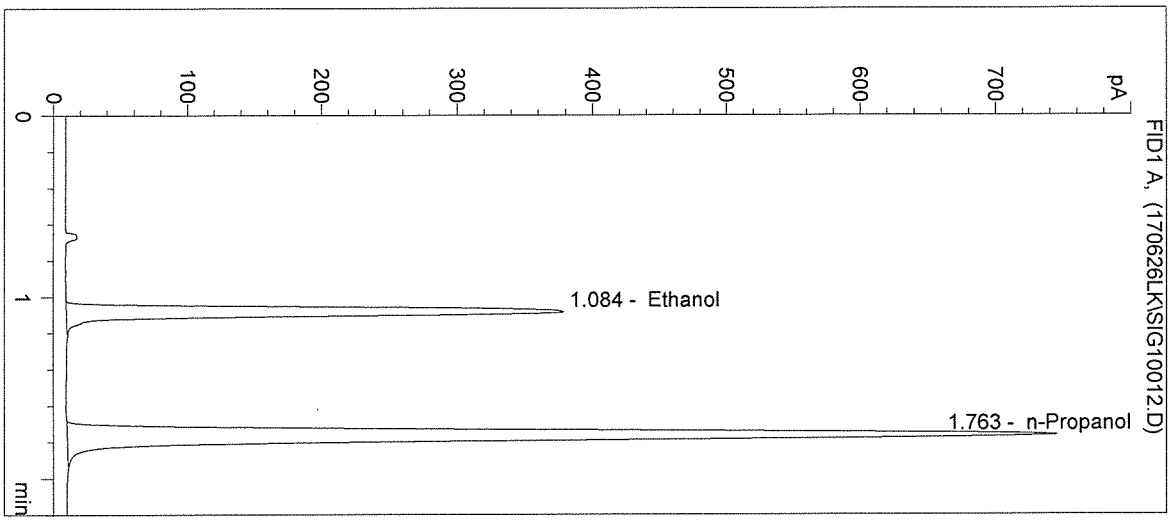
n-Propanol 0.012 g/100mL

LK

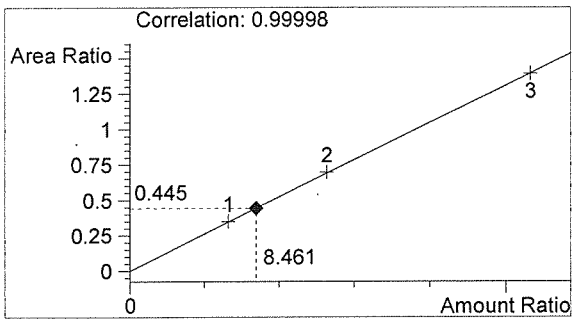
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/26/2017 2:52:34 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

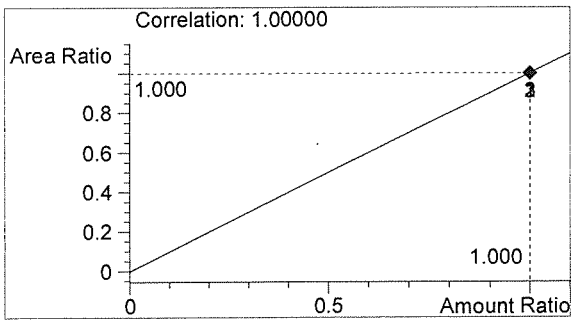
Sample Name: 17044 #3
Operator: Lyndsey Knoy
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	1219	1.084
2	n-Propanol	2737	1.763



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

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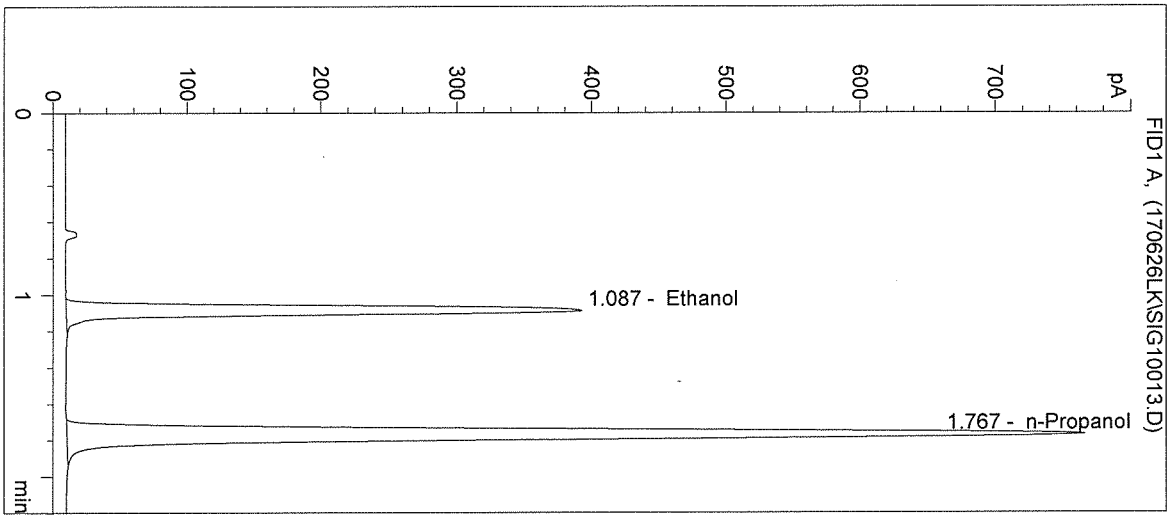
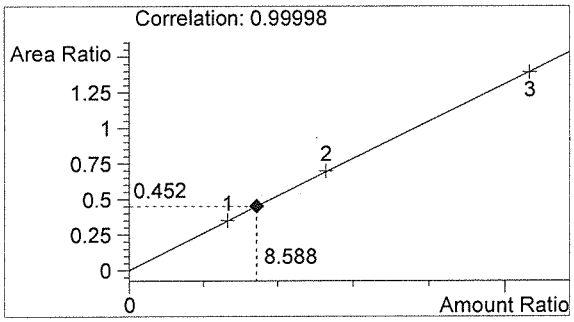
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/26/2017 2:55:48 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

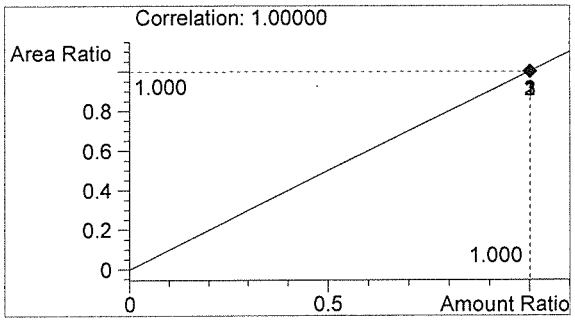
Sample Name: 17044 #4
Operator: Lyndsey Knoy
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	1285	1.087
2	n-Propanol	2842	1.767



Ethanol 0.103 g/100mL



n-Propanol 0.012 g/100mL

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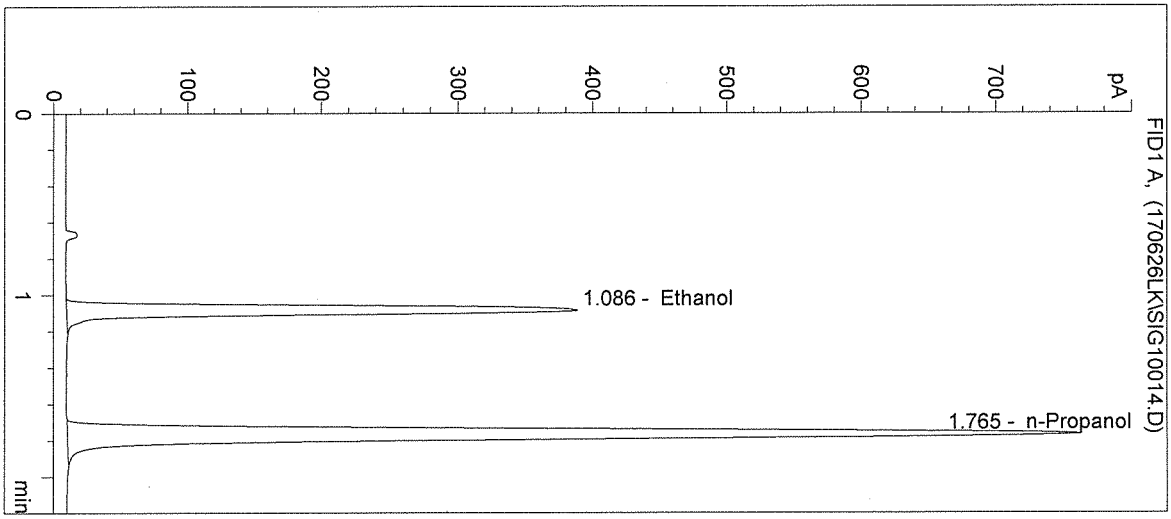
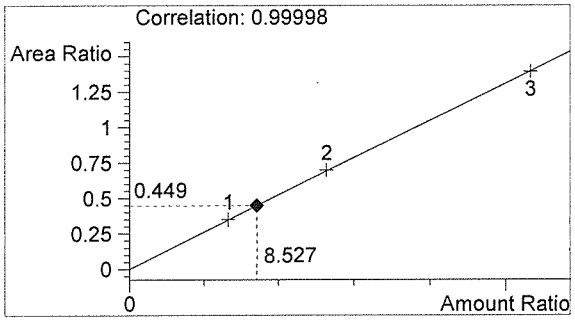
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/26/2017 2:59:02 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

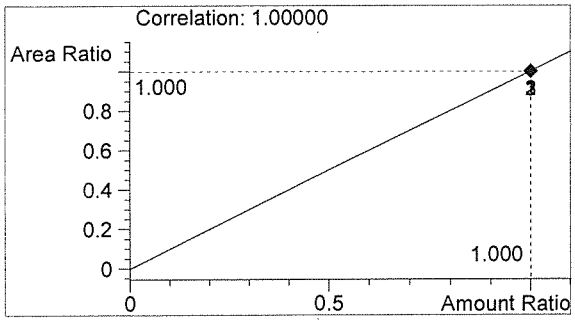
Sample Name: 17044 #5
Operator: Lyndsey Knoy
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	1263	1.086
2	n-Propanol	2814	1.765



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

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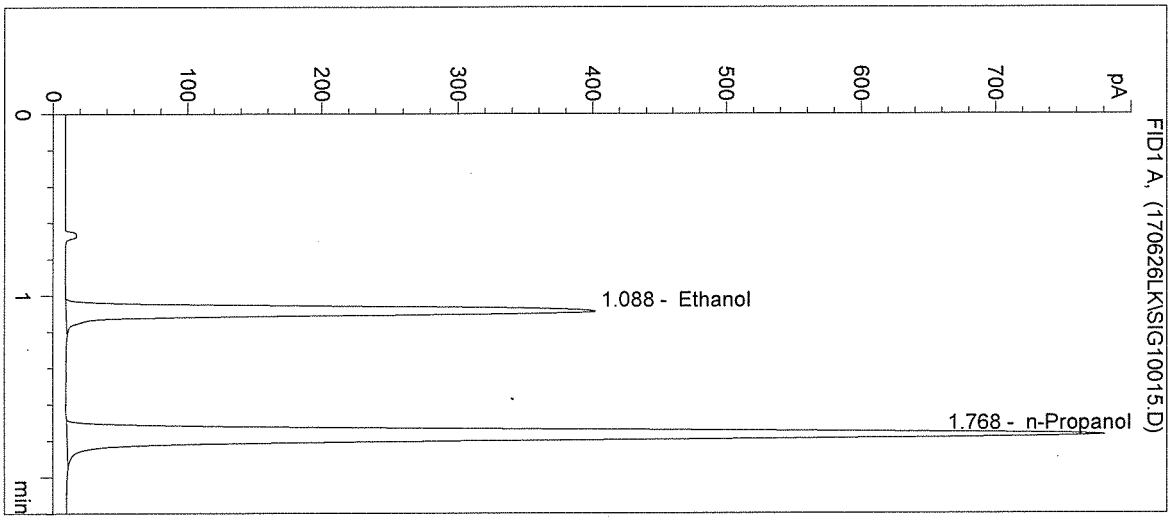
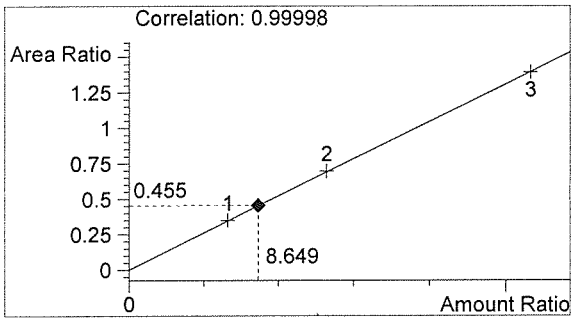
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/26/2017 3:02:14 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

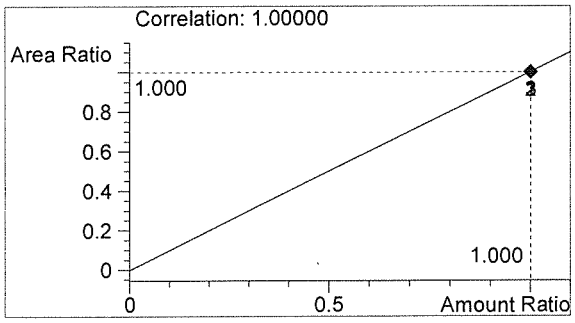
Sample Name: 0.10 CTRL
Operator: Lyndsey Knoy
Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	1323	1.088
2	n-Propanol	2906	1.768



Ethanol 0.104 g/100mL



n-Propanol 0.012 g/100mL

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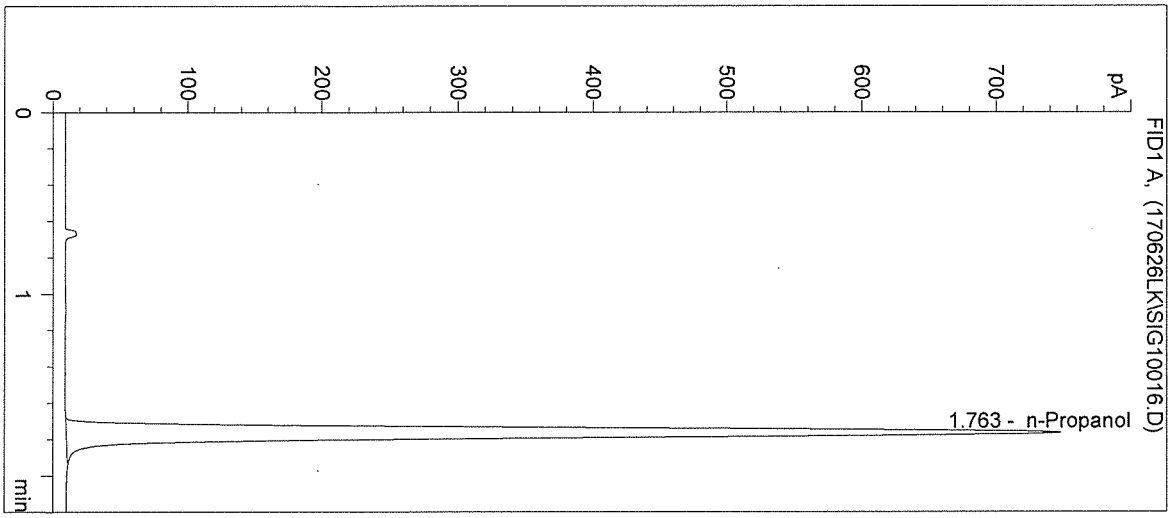
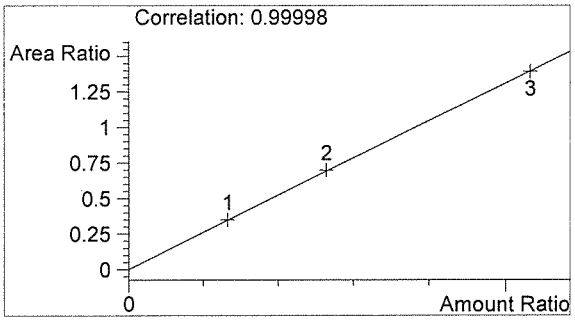
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/26/2017 3:05:28 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

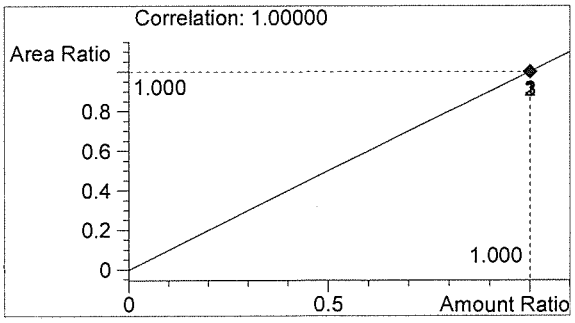
Sample Name: NEG CTRL
Operator: Lyndsey Knoy
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2750	1.763



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

Sequence: C:\HPCHEM\1\SEQUENCE\KHESS.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:	170627K1
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E0217-01 - Exp. 08/21/2017
Ethanol Calibrator 2, E0217-02 - Exp. 08/21/2017
Ethanol Calibrator 3, E0217-03 - Exp. 08/21/2017
CTRL1 (0.04g/100mL), Lot # FN12181501 - Exp. 12/2020
CTRL2 (0.10g/100mL), Lot # FN08051301 - Exp. 10/2018
CTRL3 (0.20g/100mL), Lot # FN08101505 - Exp. 02/2021
Internal Standard Lot#P0517 - Exp. 08/18/17

Calibration data filed with batch 17044.

Diluter #2.

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	17044 #1	SIMALC1	1	Sample		
11	Vial 11	17044 #2	SIMALC1	1	Sample		
12	Vial 12	17044 #3	SIMALC1	1	Sample		
13	Vial 13	17044 #4	SIMALC1	1	Sample		
14	Vial 14	17044 #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	17050 #1	SIMALC1	1	Sample		
18	Vial 18	17050 #2	SIMALC1	1	Sample		
19	Vial 19	17050 #3	SIMALC1	1	Sample		
20	Vial 20	17050 #4	SIMALC1	1	Sample		
21	Vial 21	17050 #5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		

17044
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Sequence: C:\HPCHEM\1\SEQUENCE\KHESS.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!

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KN

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

==========

Calibration Table

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Calib. Data Modified : Tuesday, June 27, 2017 2:37:45 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
1.086	1	1	7.91500e-2	1017.85205	7.77618e-5	1		Ethanol
		2	1.58300e-1	2046.87549	7.73374e-5			
		3	3.19520e-1	3819.14795	8.36626e-5			
1.766	1	1	1.20000e-2	2800.42749	4.28506e-6	I1		n-Propanol
		2	1.20000e-2	2810.48291	4.26973e-6			
		3	1.20000e-2	2752.59668	4.35952e-6			

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Peak Sum Table

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No Entries in table

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KH

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Calibration Curves

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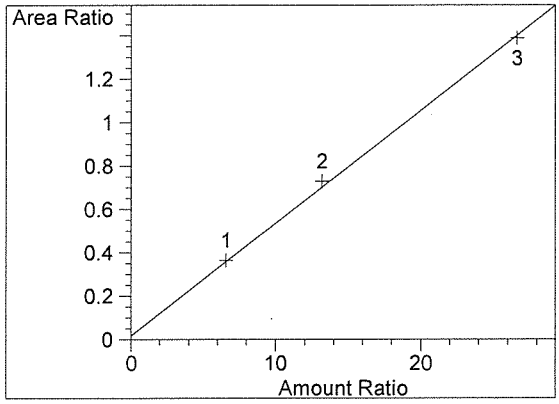
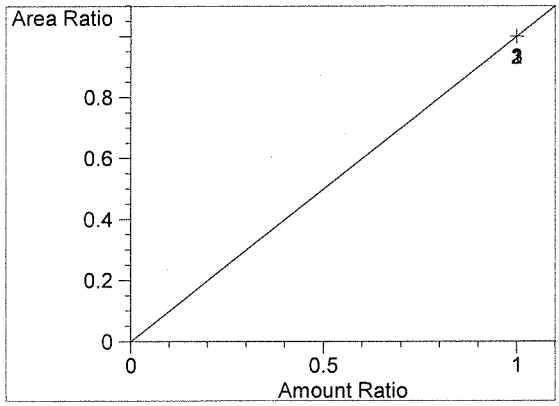


Ethanol at exp. RT: 1.086
FID1 A,
Correlation: 0.99946
Residual Std. Dev.: 0.02388
Formula: y = mx + b
m: 5.20206e-2
b: 1.61850e-2
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.766
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

==========

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VDT 7/14/17

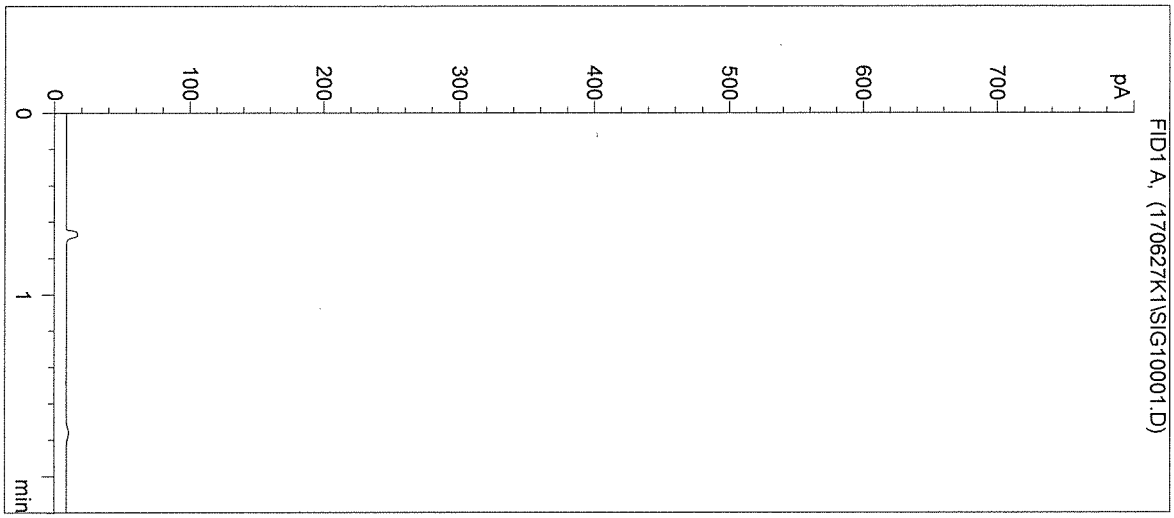
KH

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

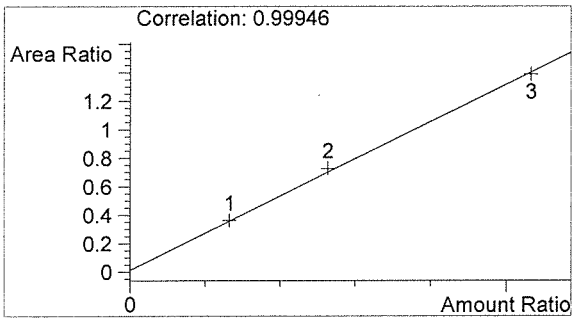
Inj. Date: 6/27/2017 2:25:36 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

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

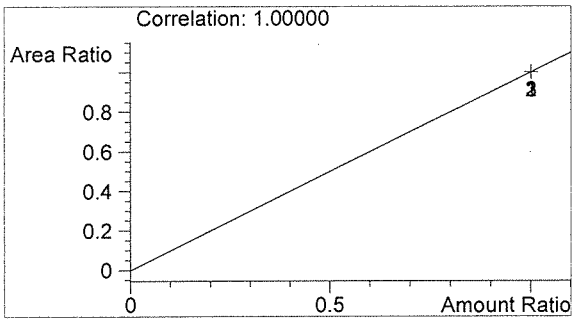
->



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



Ethanol 0.000 g/100mL

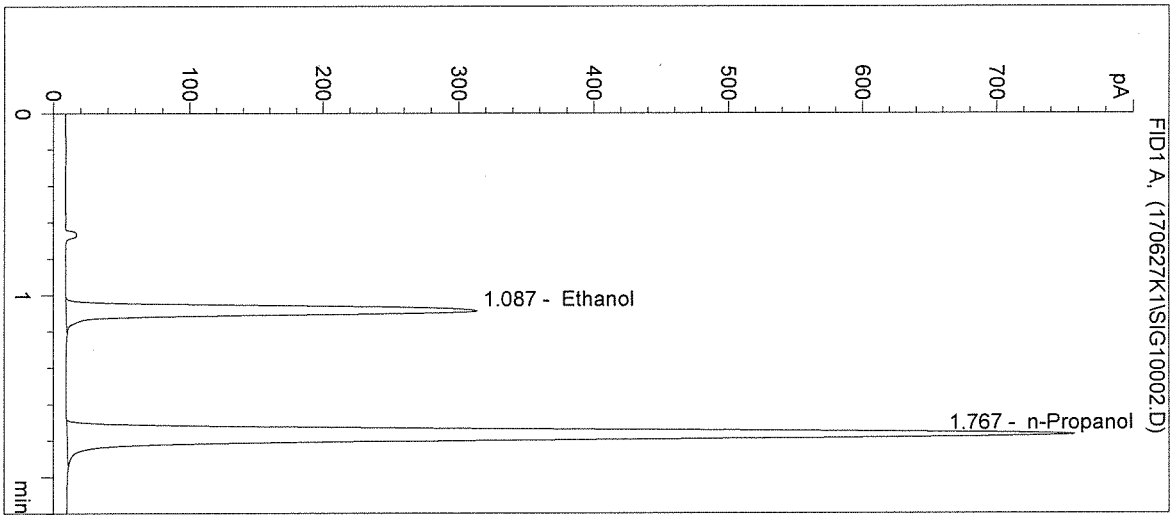


n-Propanol 0.000 g/100mL

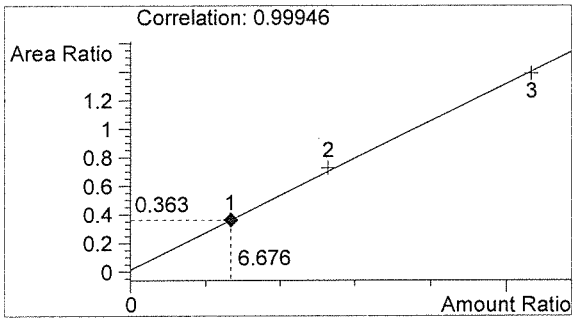
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/27/2017 2:28:55 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

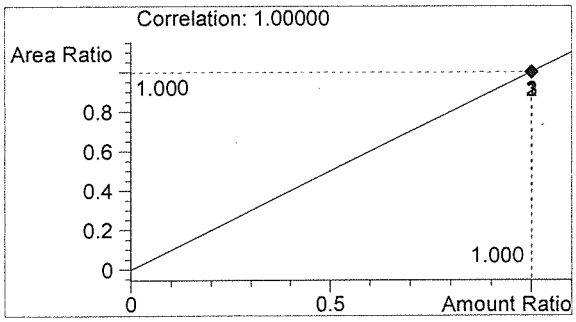
Sample Name: 0.079 CAL 1
Operator: Katie Harris
Location: Vial 2



#	Compound	Peak Area	RT (min)
1	Ethanol	1018	1.087
2	n-Propanol	2800	1.767



Ethanol 0.080 g/100mL

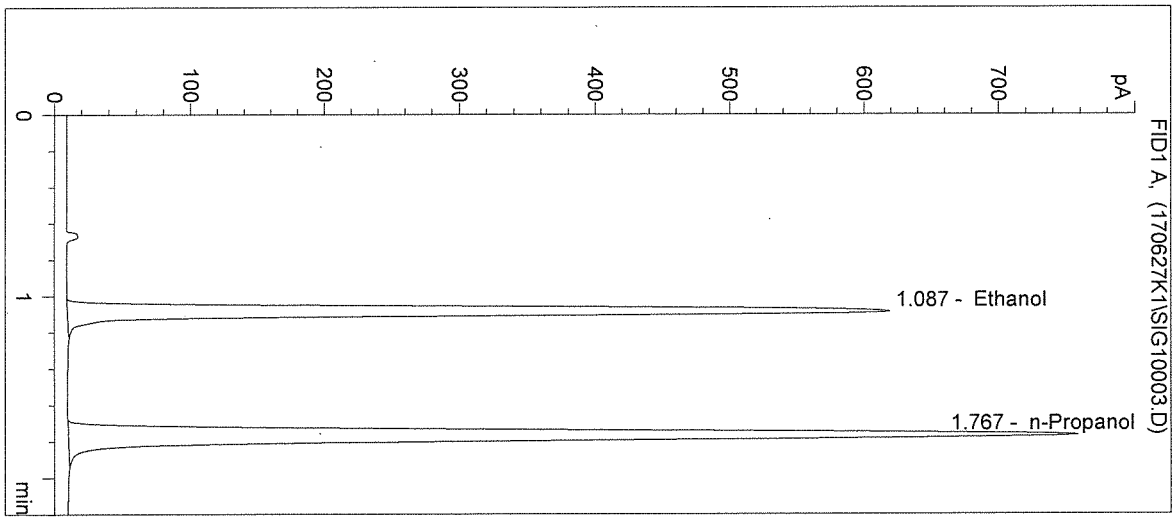


n-Propanol 0.012 g/100mL

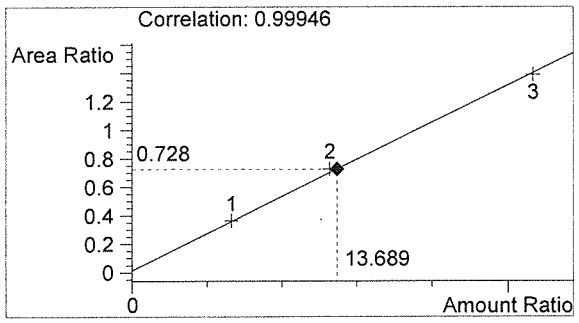
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/27/2017 2:32:12 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

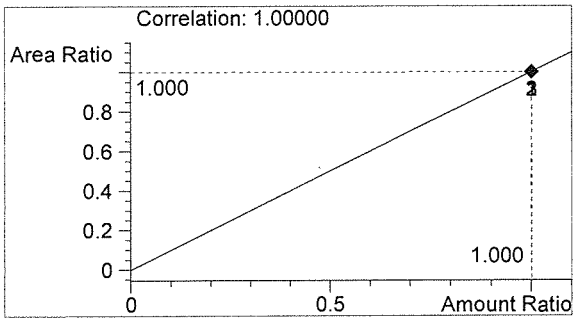
Sample Name: 0.158 CAL 2
Operator: Katie Harris
Location: Vial 3



#	Compound	Peak Area	RT (min)
1	Ethanol	2047	1.087
2	n-Propanol	2810	1.767



Ethanol 0.164 g/100mL



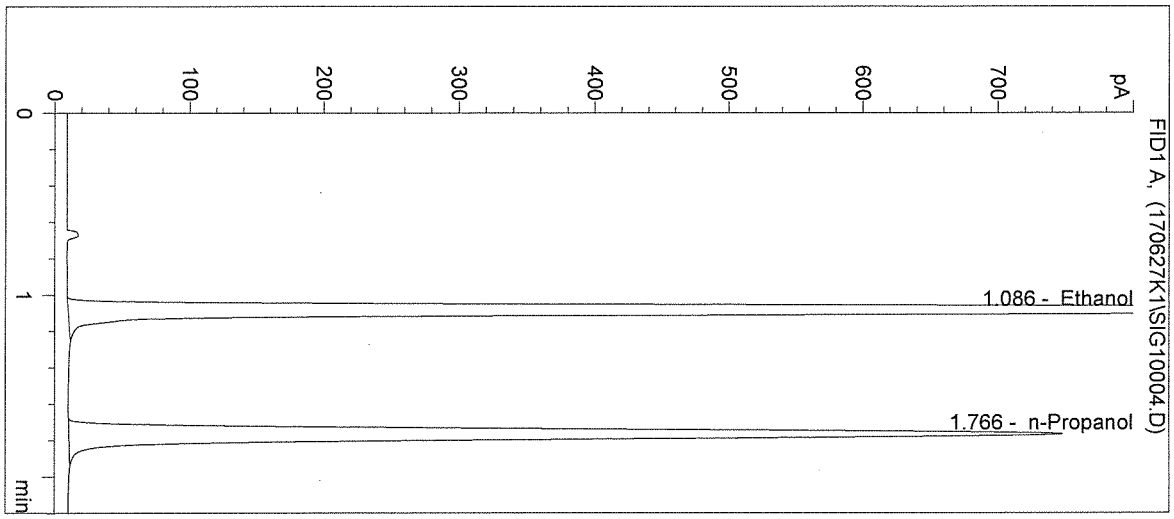
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\170627K1\SIG10003.D

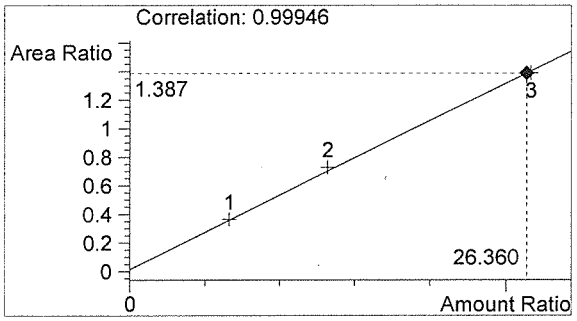
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/27/2017 2:35:32 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

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

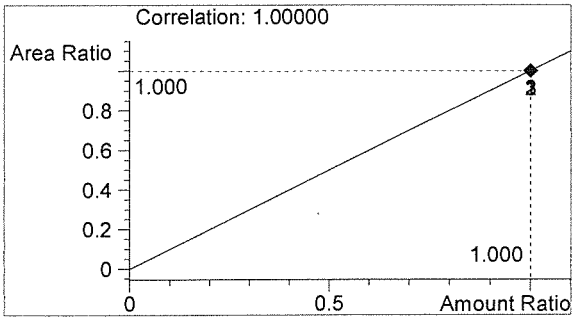


#	Compound	Peak Area	RT (min)
1	Ethanol	3819	1.086
2	n-Propanol	2753	1.766



Ethanol 0.316 g/100mL

BT



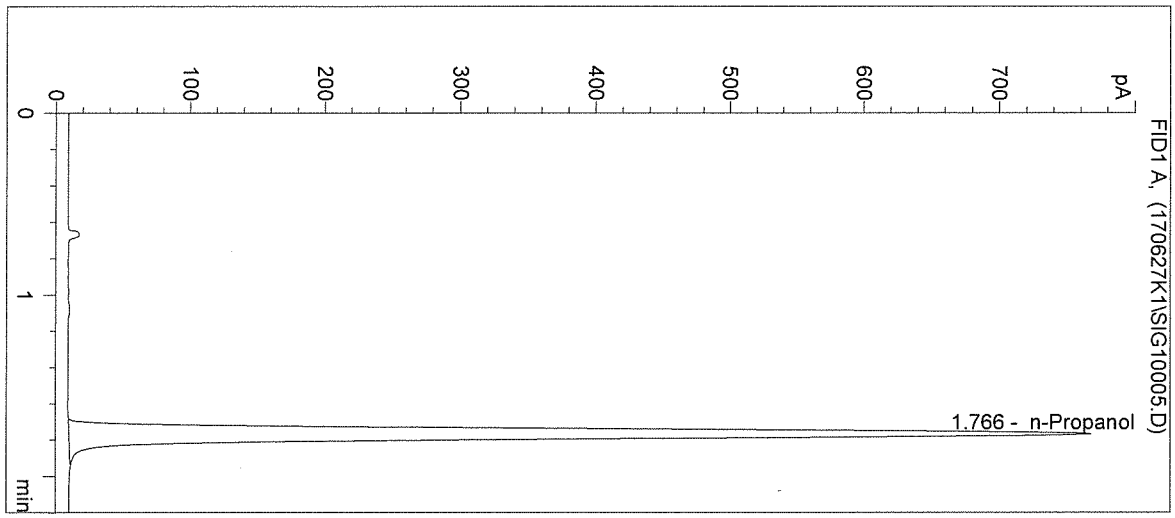
n-Propanol 0.012 g/100mL

KH

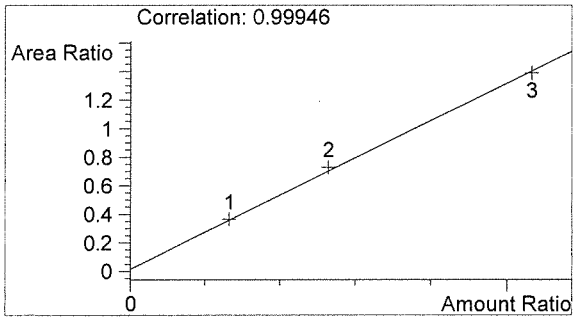
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/27/2017 2:38:45 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

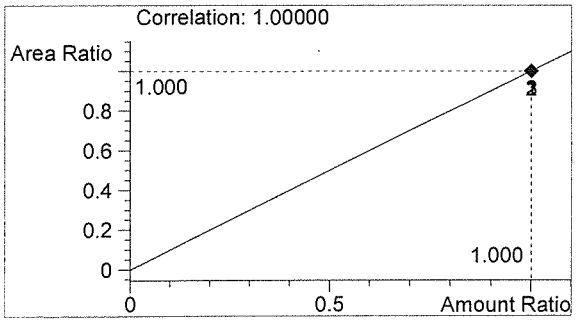
Sample Name: NEG CTRL
Operator: Katie Harris
Location: Vial 5



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2833	1.766



Ethanol 0.000 g/100mL

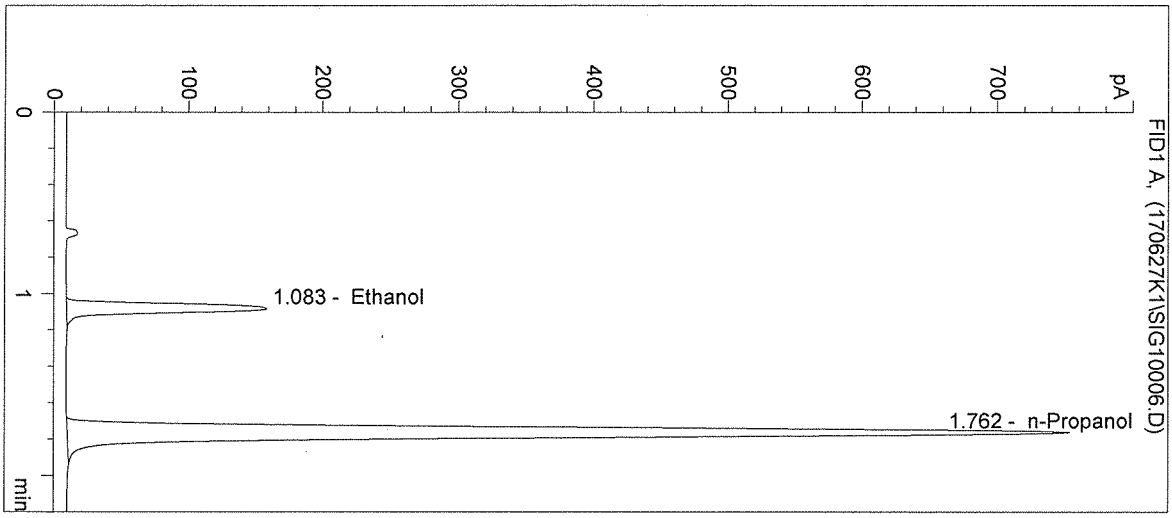


n-Propanol 0.012 g/100mL

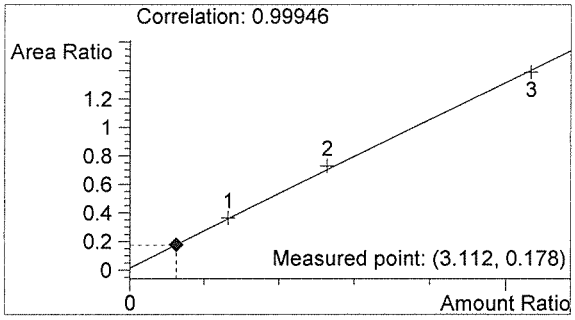
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/27/2017 2:41:59 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

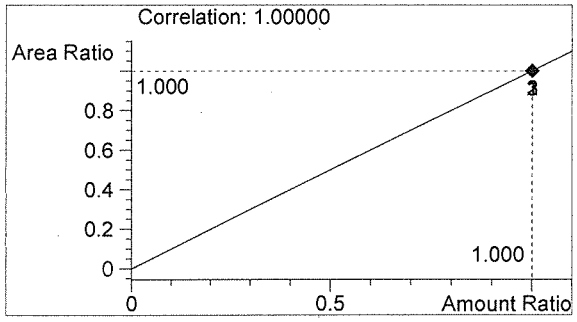
Sample Name: 0.04 CTRL
Operator: Katie Harris
Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	492	1.083
2	n-Propanol	2761	1.762



Ethanol 0.037 g/100mL

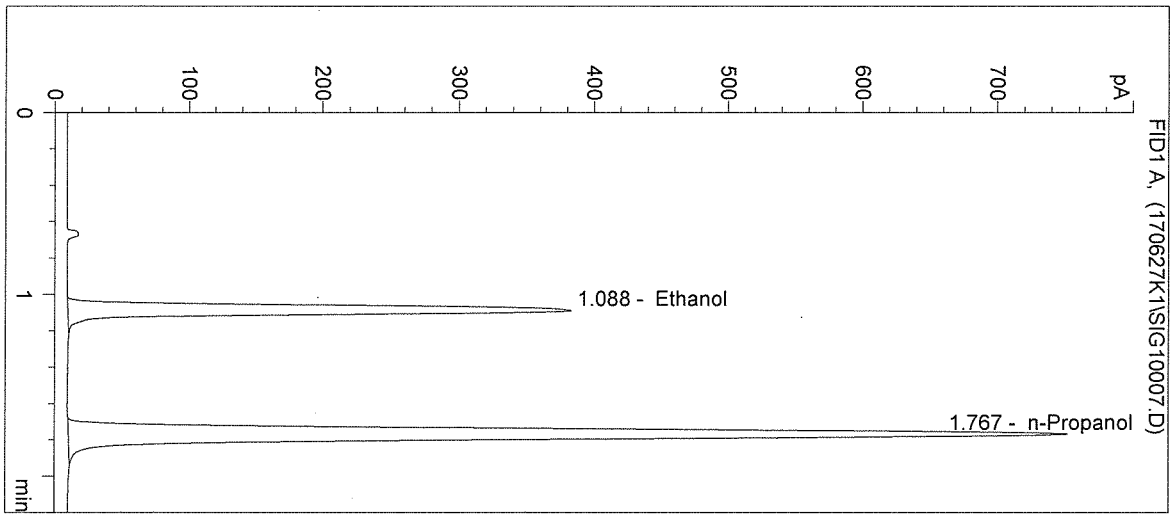


n-Propanol 0.012 g/100mL

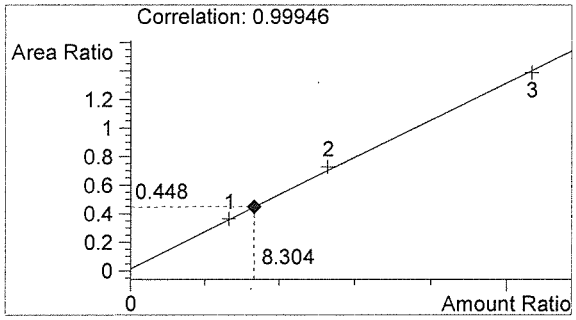
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/27/2017 2:45:12 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

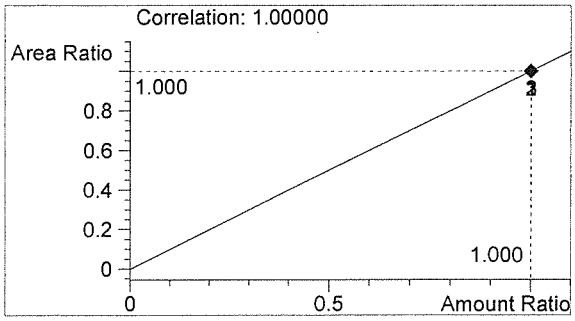
Sample Name: 0.10 CTRL
Operator: Katie Harris
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	1249	1.088
2	n-Propanol	2787	1.767



Ethanol 0.100 g/100mL

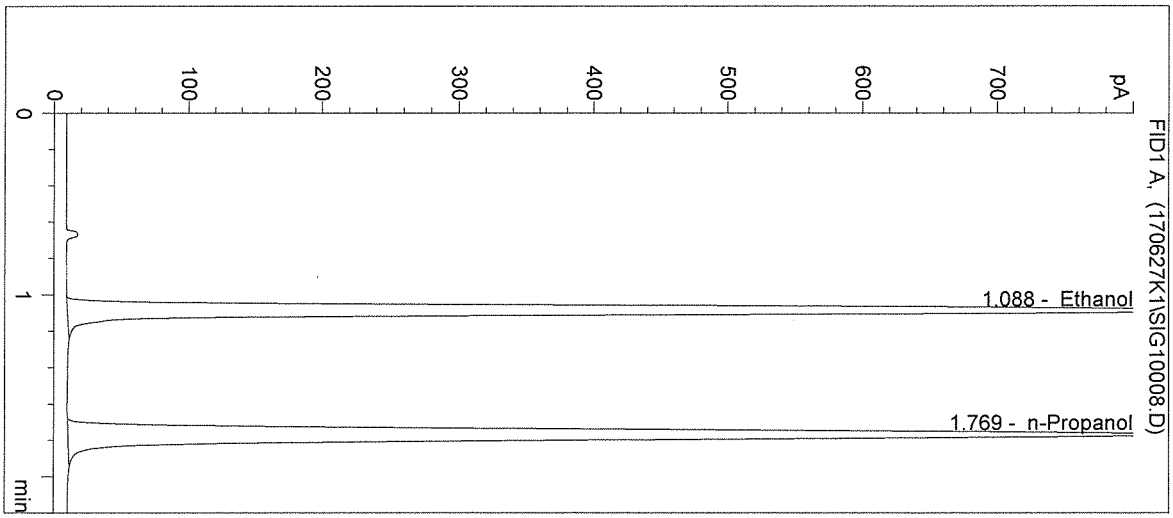


n-Propanol 0.012 g/100mL

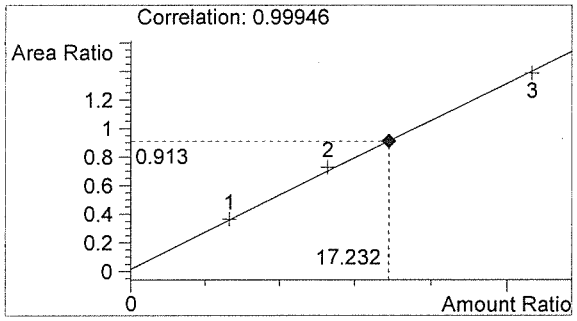
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/27/2017 2:48:25 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

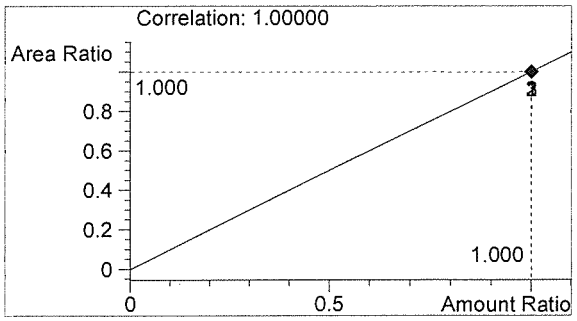
Sample Name: 0.20 CTRL
Operator: Katie Harris
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	2820	1.088
2	n-Propanol	3090	1.769



Ethanol 0.207 g/100mL



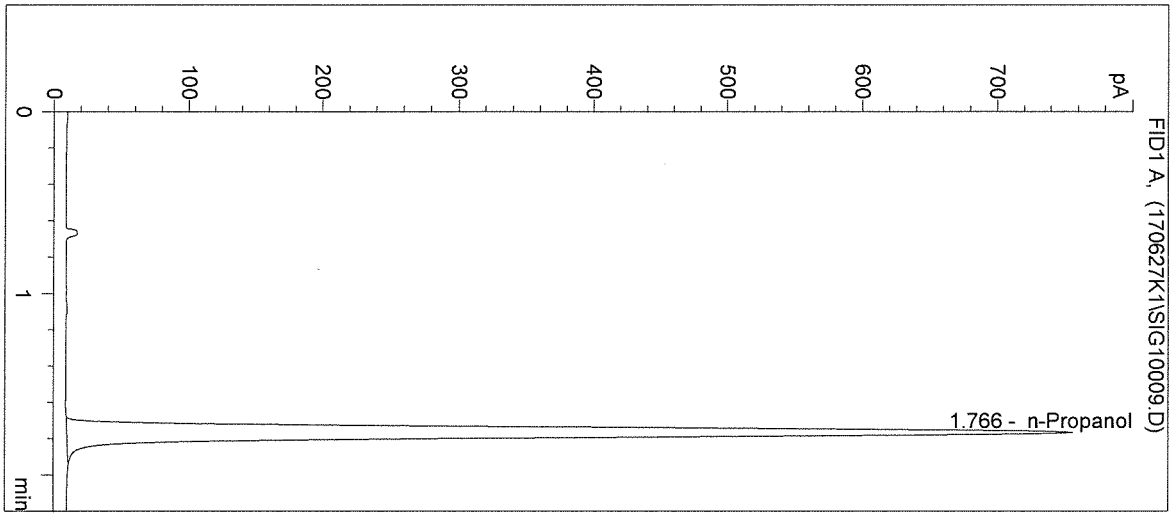
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\170627K1\SIG10008.D

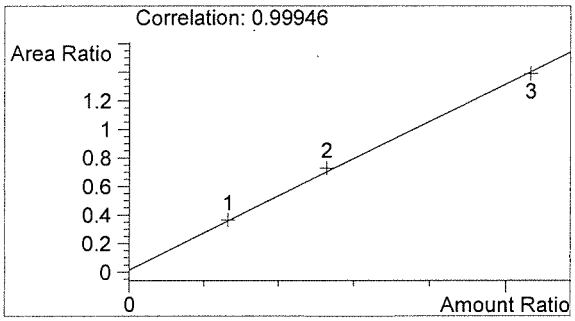
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/27/2017 2:51:39 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

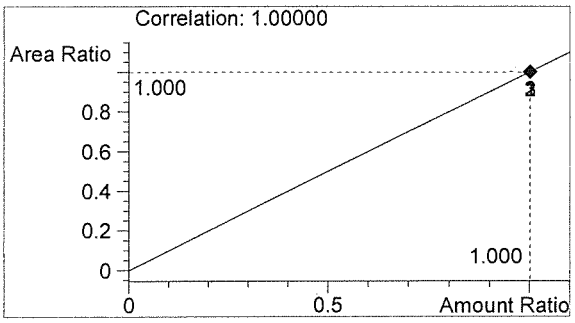
Sample Name: NEG CTRL
Operator: Katie Harris
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2793	1.766



Ethanol 0.000 g/100mL

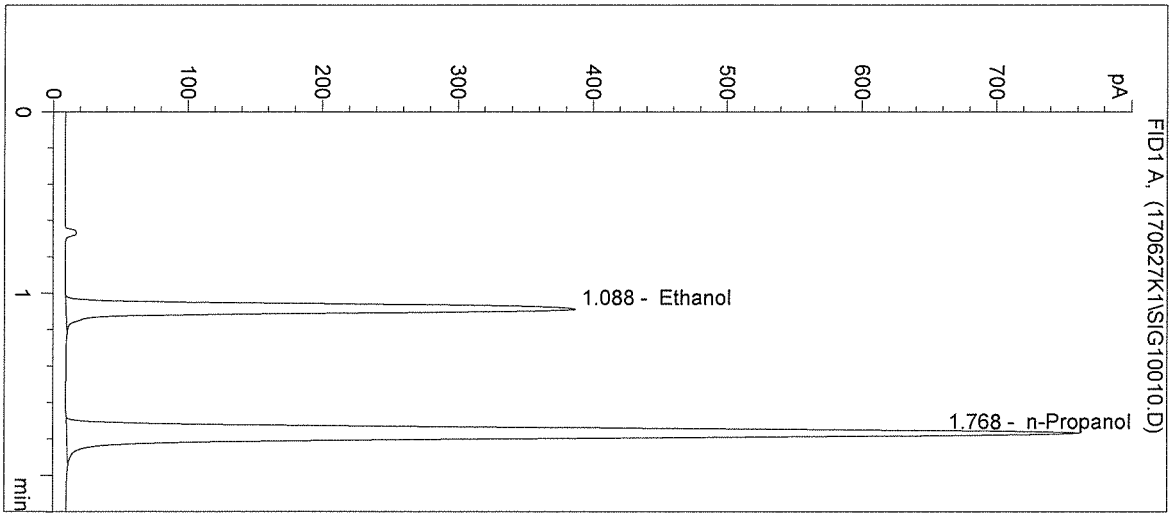


n-Propanol 0.012 g/100mL

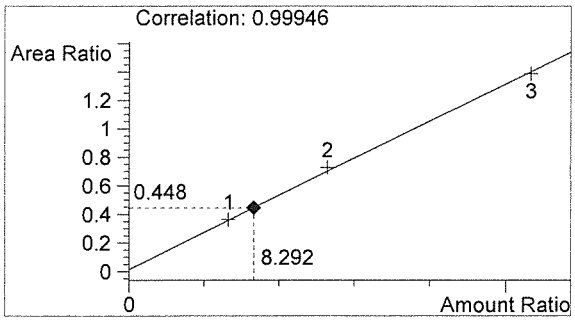
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/27/2017 2:54:52 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

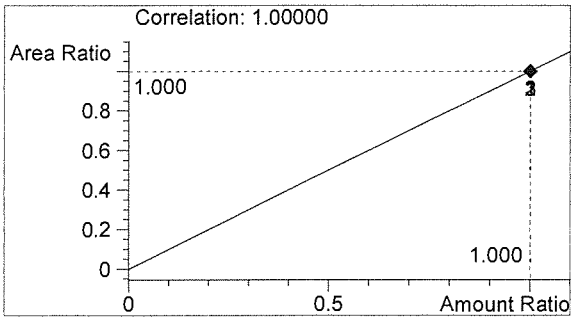
Sample Name: 17044 #1
Operator: Katie Harris
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	1264	1.088
2	n-Propanol	2825	1.768



Ethanol 0.100 g/100mL

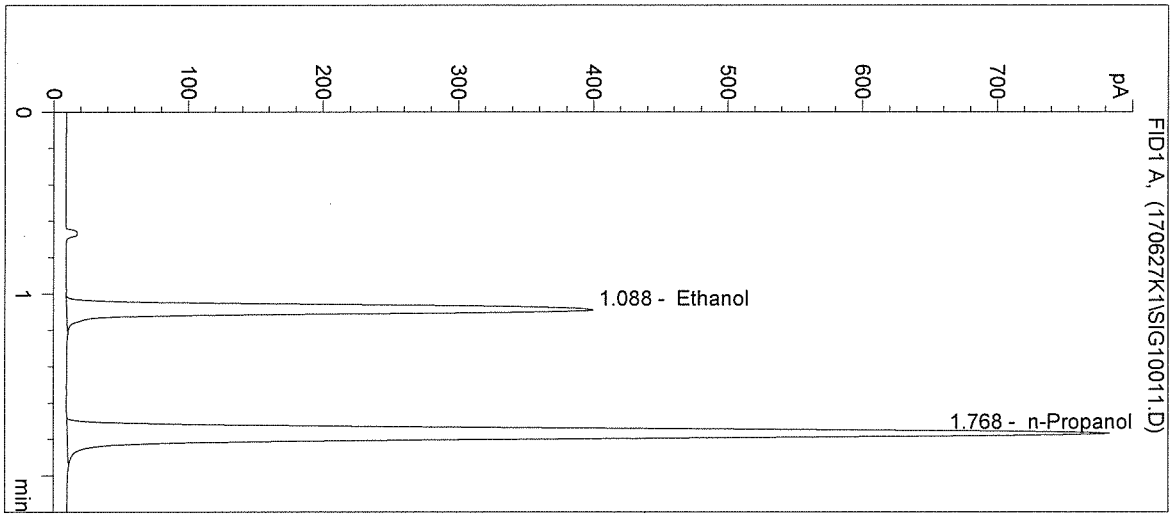


n-Propanol 0.012 g/100mL

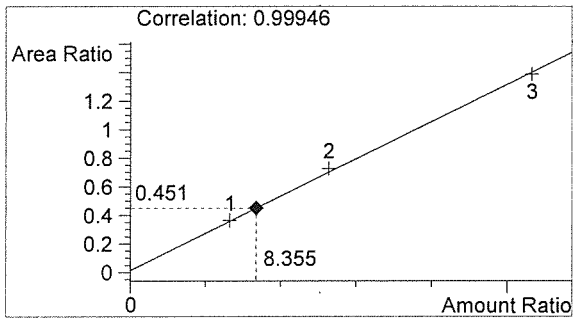
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/27/2017 2:58:05 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

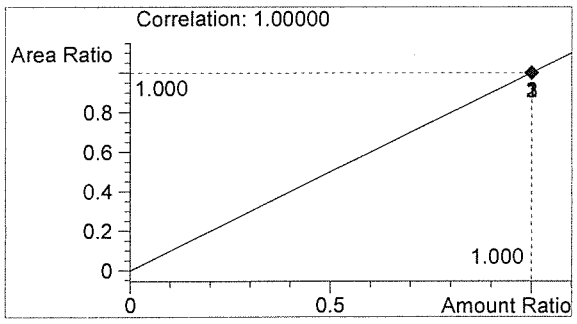
Sample Name: 17044 #2
Operator: Katie Harris
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	1308	1.088
2	n-Propanol	2902	1.768



Ethanol 0.100 g/100mL

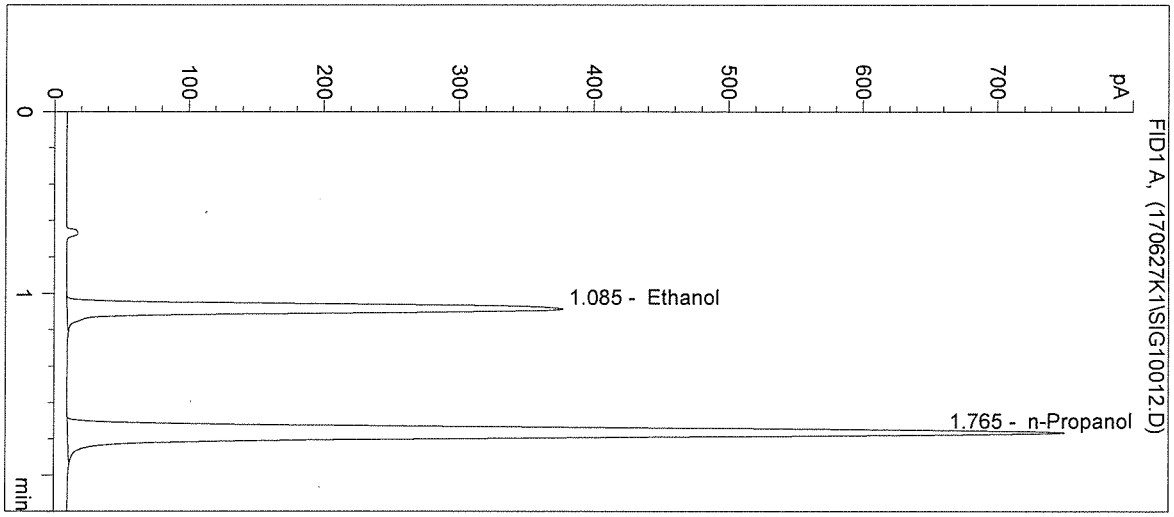


n-Propanol 0.012 g/100mL

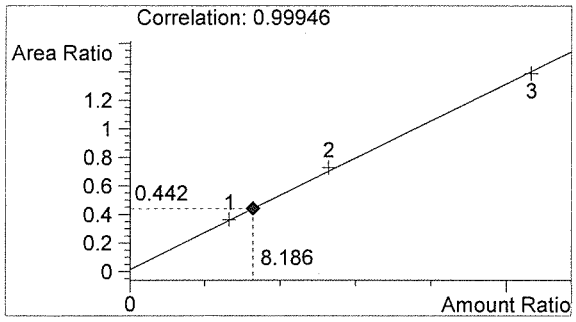
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/27/2017 3:01:18 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

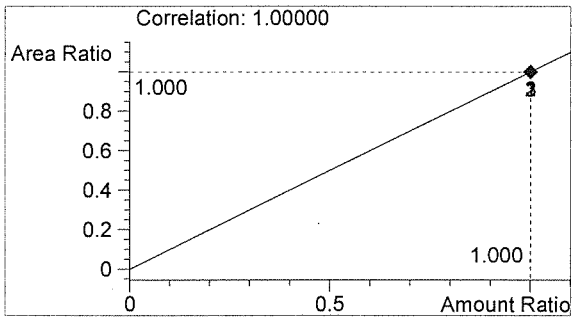
Sample Name: 17044 #3
Operator: Katie Harris
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	1217	1.085
2	n-Propanol	2753	1.765



Ethanol 0.098 g/100mL

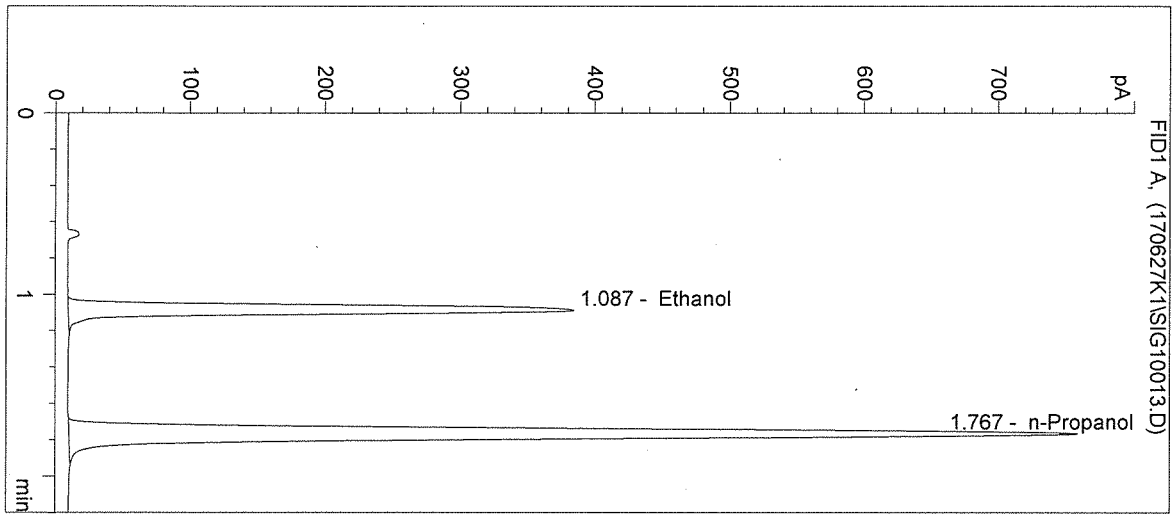


n-Propanol 0.012 g/100mL

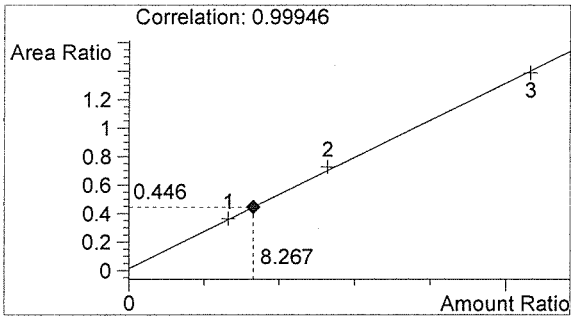
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/27/2017 3:04:32 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

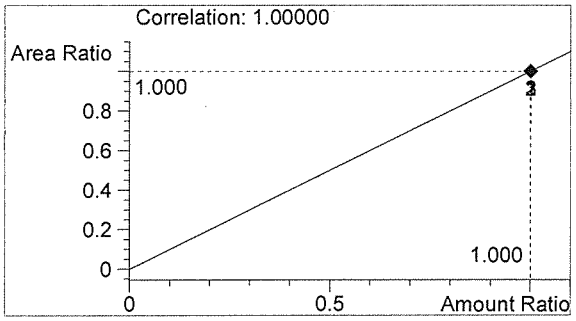
Sample Name: 17044 #4
Operator: Katie Harris
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	1249	1.087
2	n-Propanol	2798	1.767



Ethanol 0.099 g/100mL



n-Propanol 0.012 g/100mL

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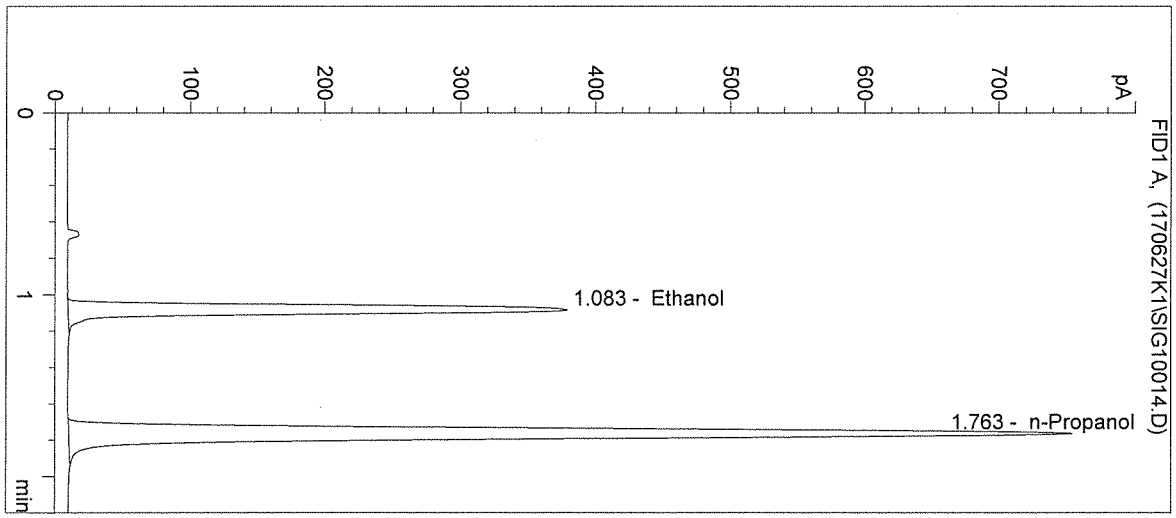
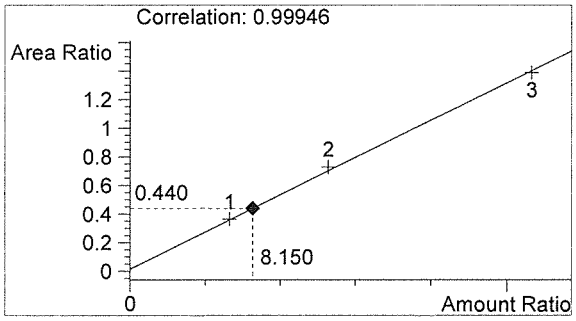
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/27/2017 3:07:45 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

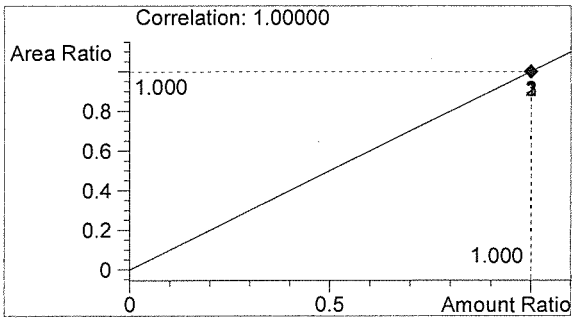
Sample Name: 17044 #5
Operator: Katie Harris
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	1215	1.083
2	n-Propanol	2760	1.763



Ethanol 0.098 g/100mL

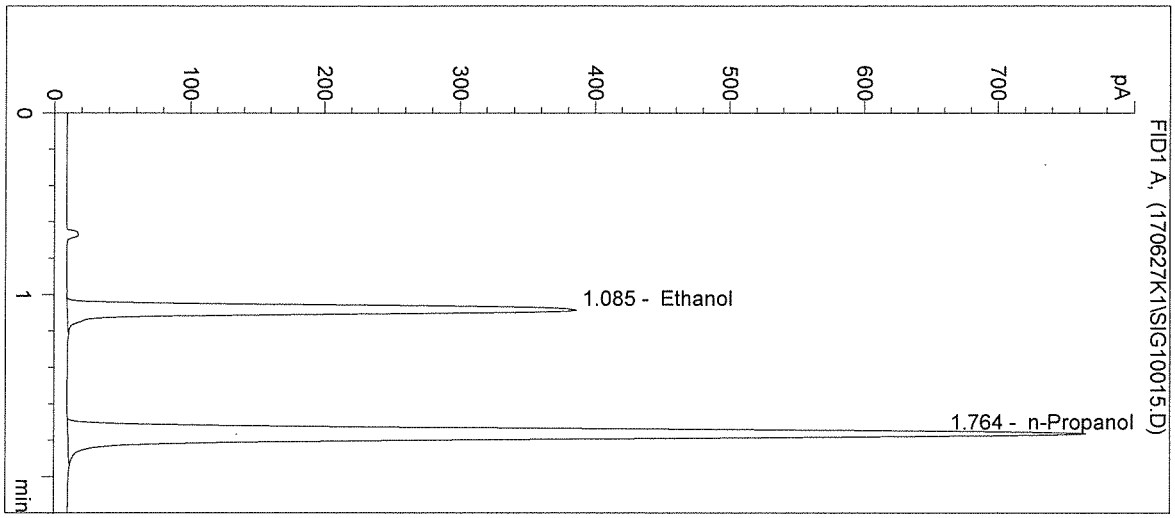


n-Propanol 0.012 g/100mL

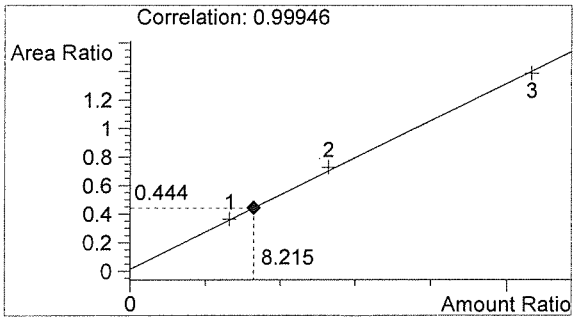
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/27/2017 3:10:58 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

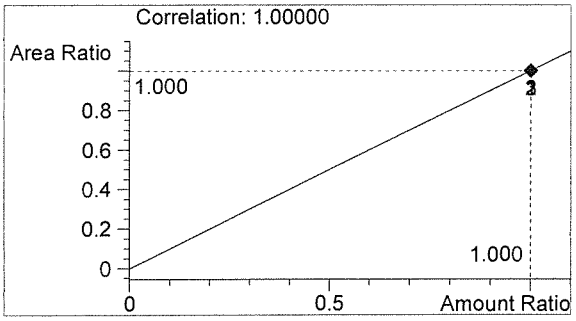
Sample Name: 0.10 CTRL
Operator: Katie Harris
Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	1246	1.085
2	n-Propanol	2810	1.764



Ethanol 0.099 g/100mL



n-Propanol 0.012 g/100mL

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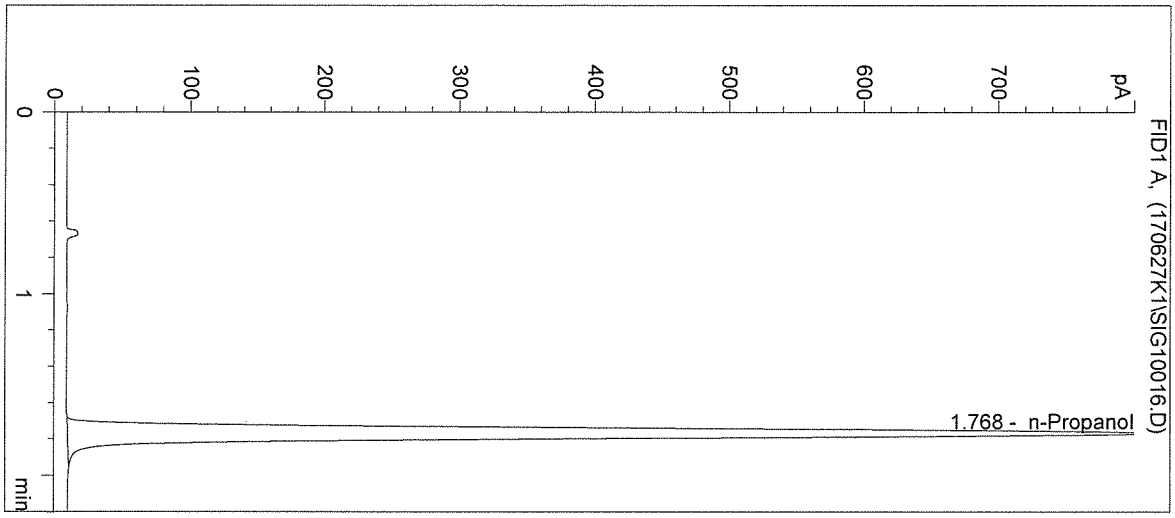
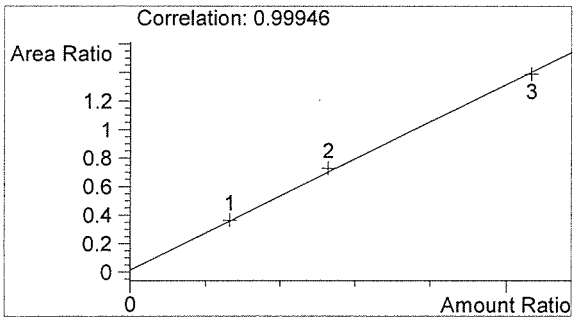
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/27/2017 3:14:12 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

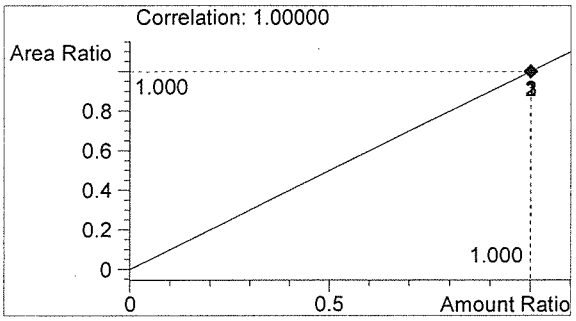
Sample Name: NEG CTRL
Operator: Katie Harris
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	3033	1.768



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

Sequence Parameters:

Operator:	Dawn Sklerov
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	170628D2
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E0217-01 - Exp. 08/21/2017
Ethanol Calibrator 2, E0217-02 - Exp. 08/21/2017
Ethanol Calibrator 3, E0217-03 - Exp. 08/21/2017
CTRL1 (0.04g/100mL), Lot # FN12181501 - Exp. 12/2020
CTRL2 (0.10g/100mL), Lot # FN08051301 - Exp. 10/2018
CTRL3 (0.20g/100mL), Lot # FN08101505 - Exp. 02/2021
Internal Standard Lot#P0517 - Exp. 08/18/2017
Dilutor #2

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	17044-1	SIMALC1	1	Sample		
11	Vial 11	17044-2	SIMALC1	1	Sample		
12	Vial 12	17044-3	SIMALC1	1	Sample		
13	Vial 13	17044-4	SIMALC1	1	Sample		
14	Vial 14	17044-5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp		

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BT 7/14/17

Calibration Part:

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

DS

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

Sequence Table (Back Injector):

No entries - empty table!

17044

BT
7/14/17

DS

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

Calibration Table

Calib. Data Modified : Wednesday, June 28, 2017 12:39:22 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
1.085	1	1	7.91500e-2	965.04456	8.20169e-5	1		Ethanol
		2	1.58300e-1	1921.14111	8.23989e-5			
		3	3.19520e-1	3833.23853	8.33551e-5			
1.764	1	1	1.20000e-2	2777.31226	4.32072e-6	I1		n-Propanol
		2	1.20000e-2	2767.84521	4.33550e-6			
		3	1.20000e-2	2758.64014	4.34997e-6			

Peak Sum Table

No Entries in table

17044
BT
7/14/17

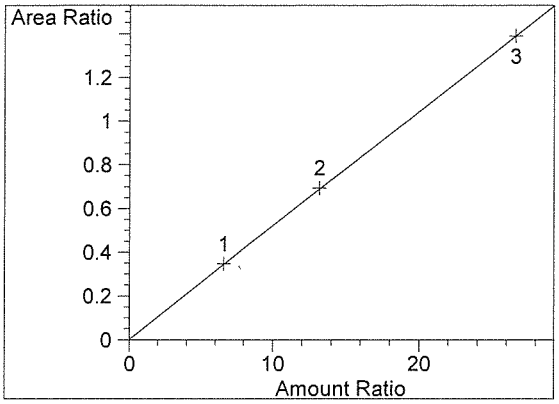
DS

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

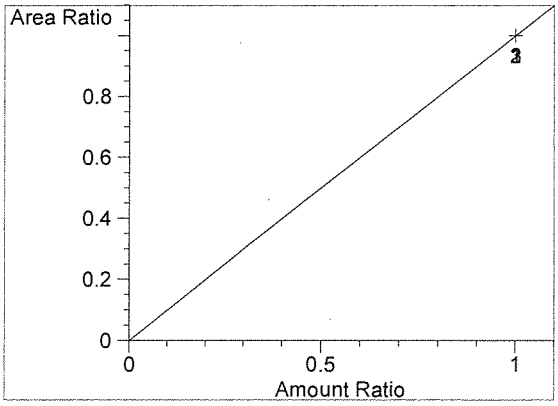
==========

Calibration Curves

==========



Ethanol at exp. RT: 1.085
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00337
Formula: y = mx + b
m: 5.21671e-2
b: 2.45360e-3
x: Amount Ratio
y: Area Ratio



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

==========

BT 7/14/17
~~17044~~

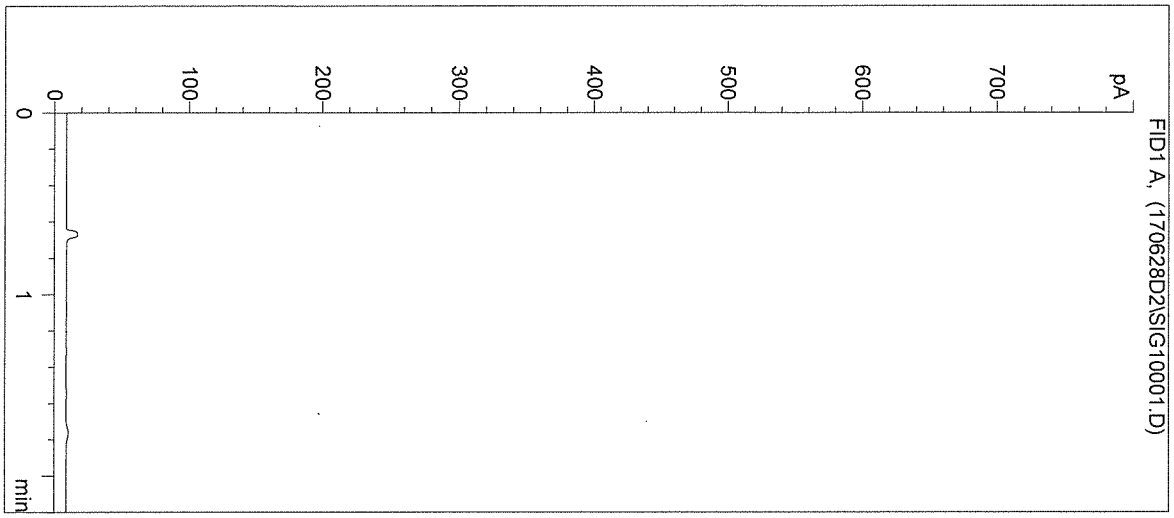
17044
BT
7/14/17

DS

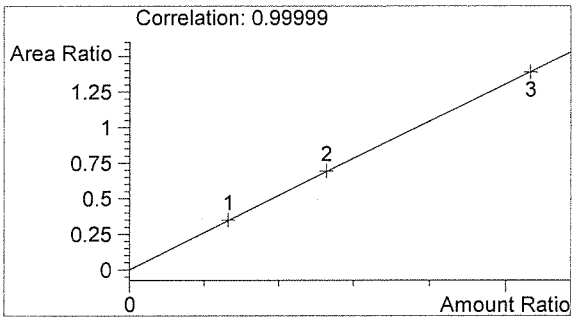
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2017 12:27:16 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

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

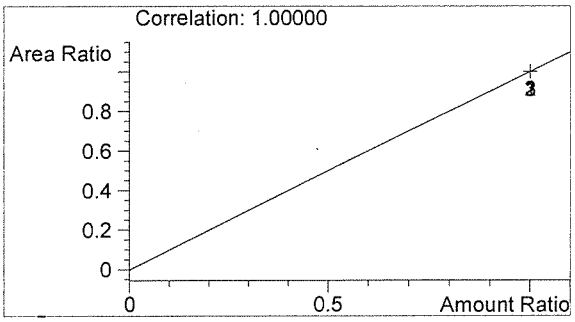


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	0	0.000



Ethanol 0.000 g/100mL

DS



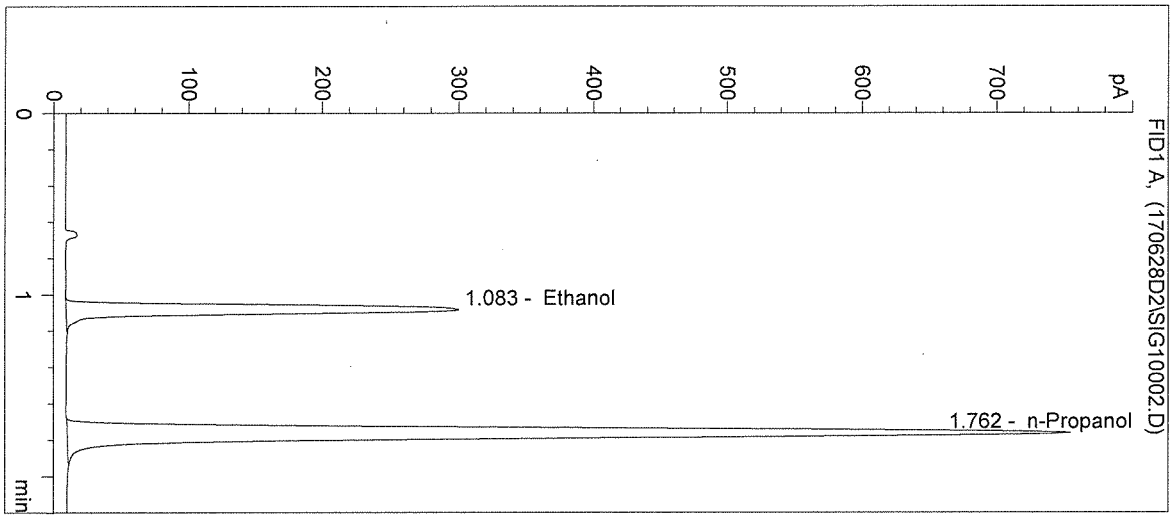
n-Propanol 0.000 g/100mL

DS

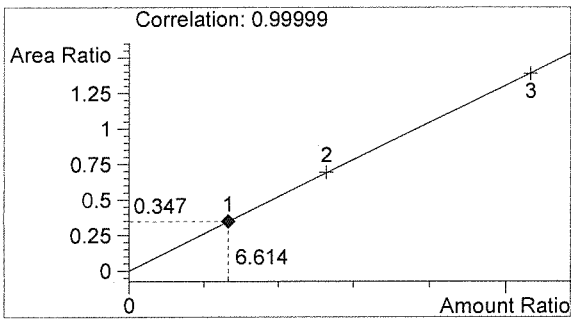
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2017 12:30:35 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

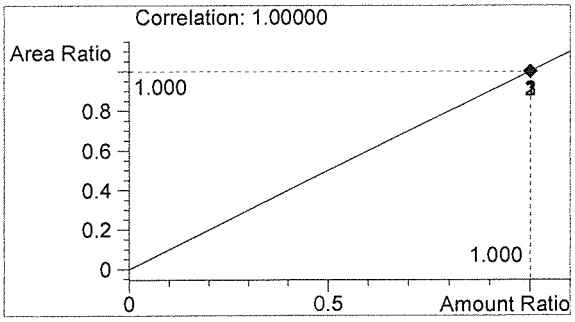
Sample Name: 0.079 CAL 1
Operator: Dawn Sklerov
Location: Vial 2



#	Compound	Peak Area	RT (min)
1	Ethanol	965	1.083
2	n-Propanol	2777	1.762



Ethanol 0.079 g/100mL

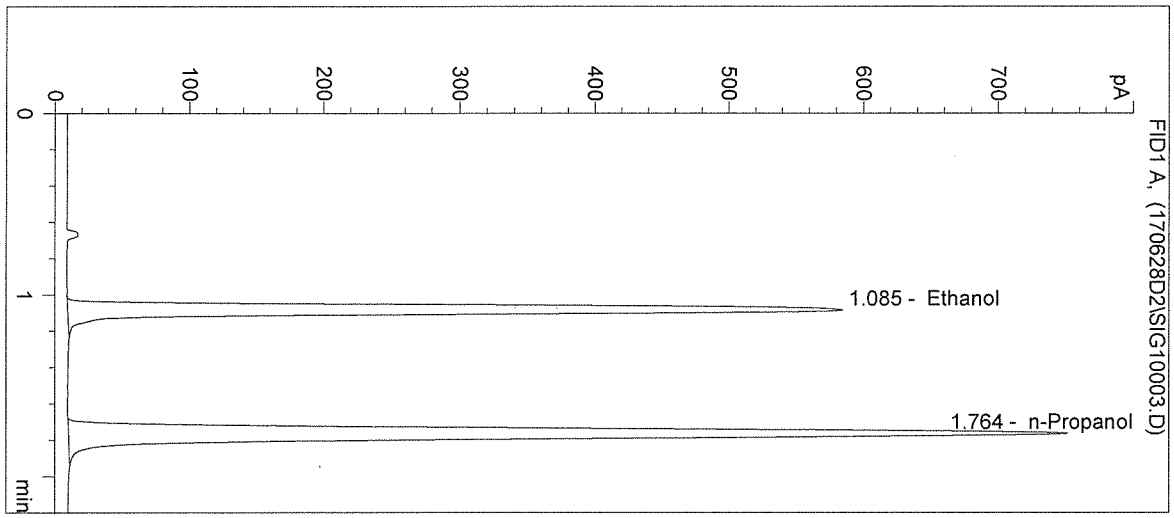


n-Propanol 0.012 g/100mL

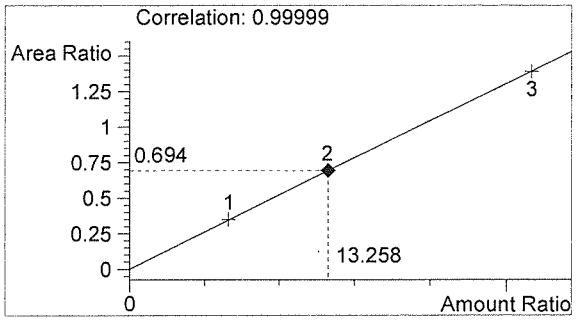
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2017 12:33:52 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

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

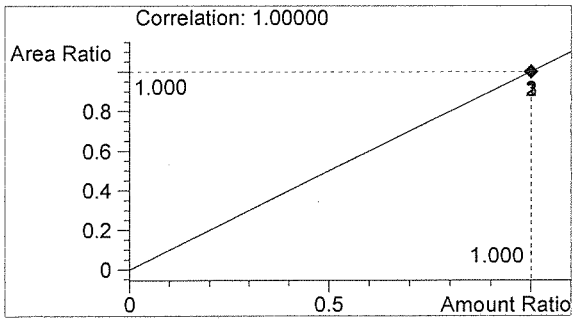


#	Compound	Peak Area	RT (min)
1	Ethanol	1921	1.085
2	n-Propanol	2768	1.764



Ethanol 0.159 g/100mL

BS



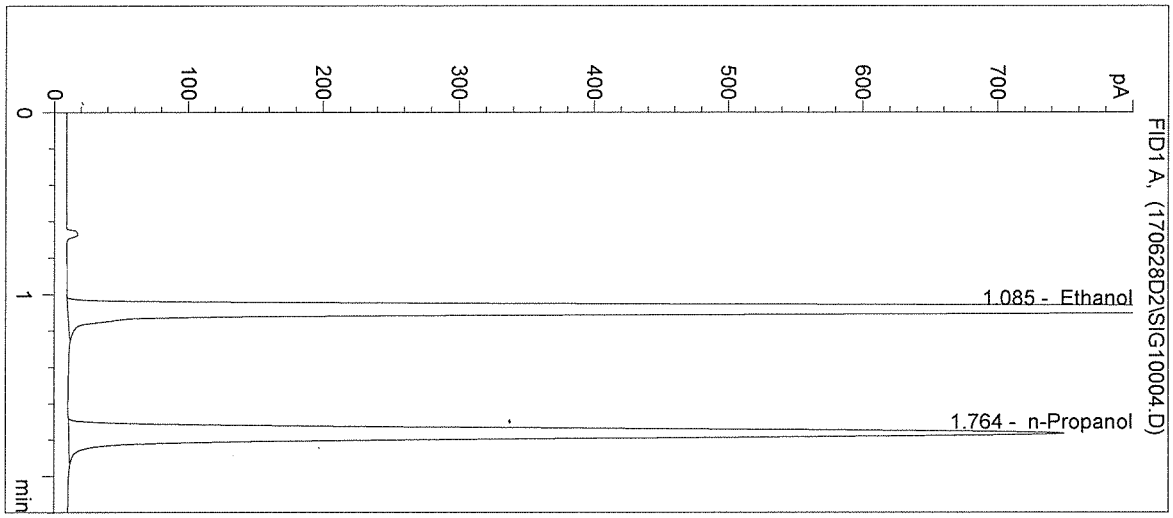
n-Propanol 0.012 g/100mL

DS

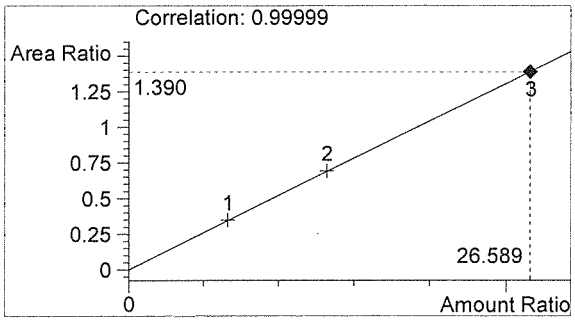
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2017 12:37:09 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

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

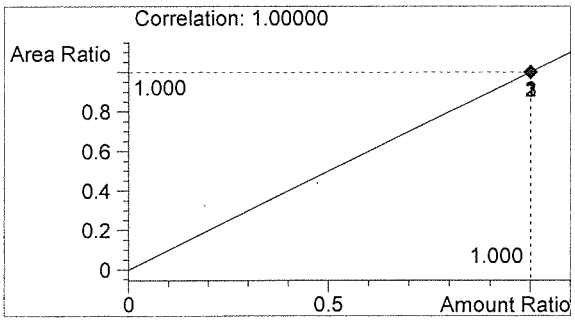


#	Compound	Peak Area	RT (min)
1	Ethanol	3833	1.085
2	n-Propanol	2759	1.764



Ethanol 0.319 g/100mL

MT



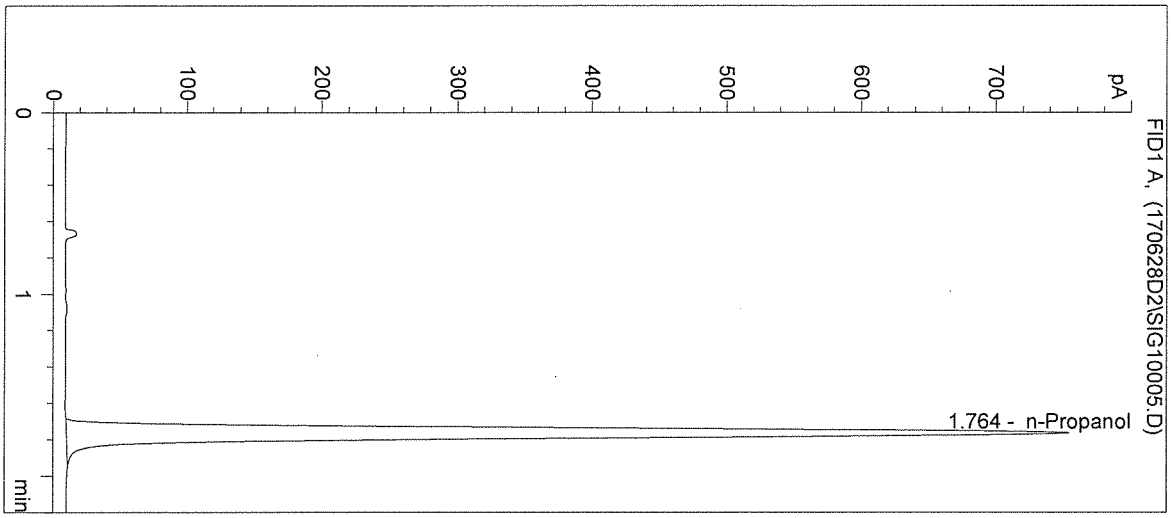
n-Propanol 0.012 g/100mL

DS

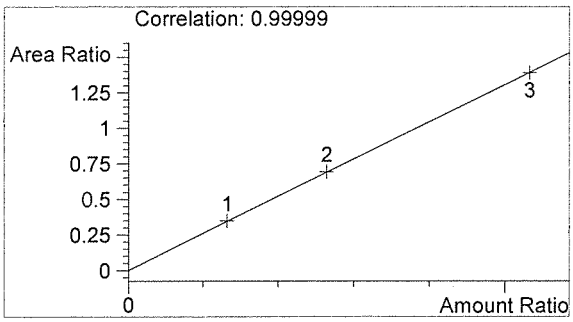
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2017 12:40:22 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

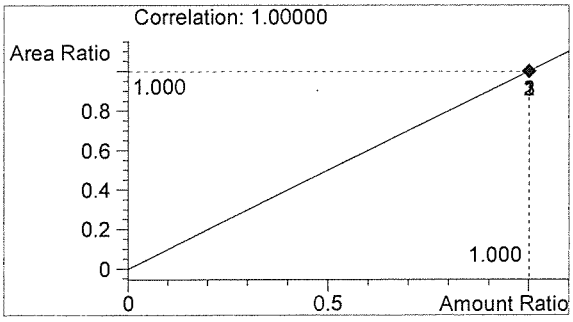
Sample Name: NEG CTRL
Operator: Dawn Sklerov
Location: Vial 5



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2783	1.764



Ethanol 0.000 g/100mL

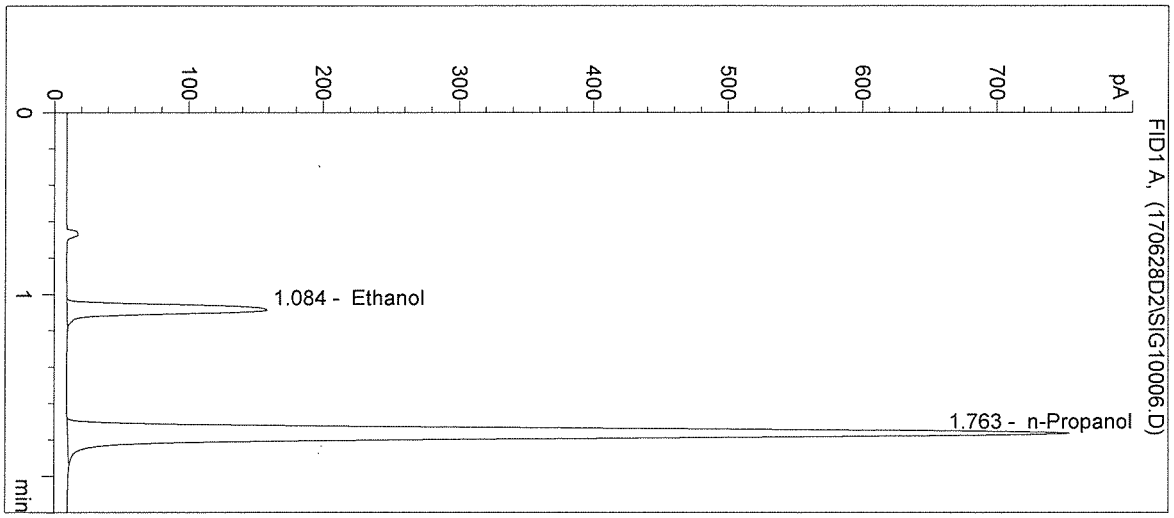


n-Propanol 0.012 g/100mL

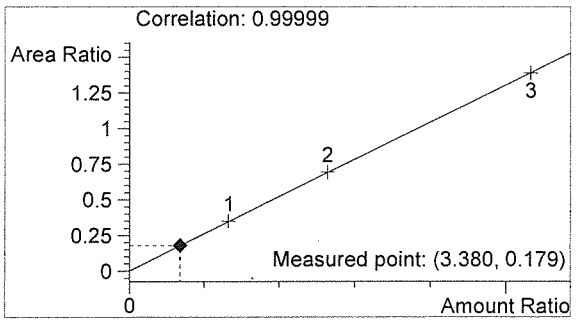
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2017 12:43:36 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

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

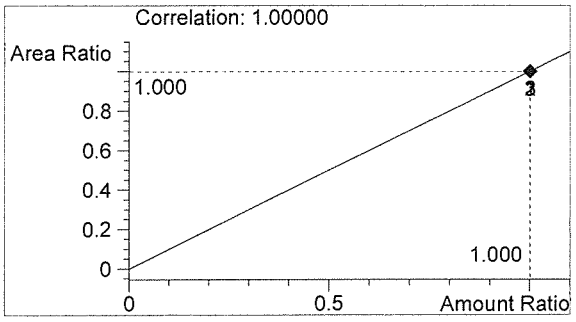


#	Compound	Peak Area	RT (min)
1	Ethanol	496	1.084
2	n-Propanol	2774	1.763



Ethanol 0.041 g/100mL

BT



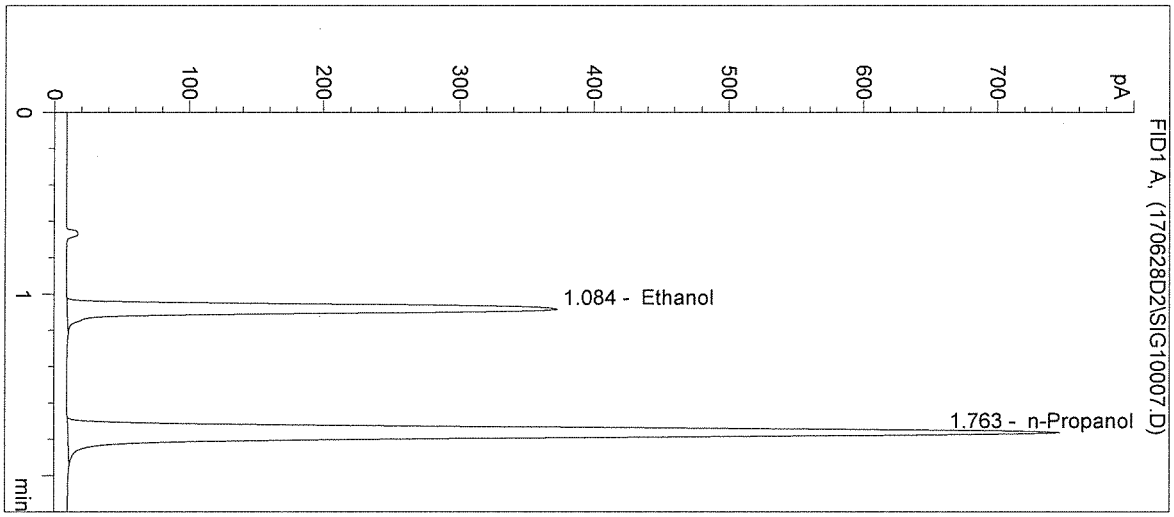
n-Propanol 0.012 g/100mL

DS

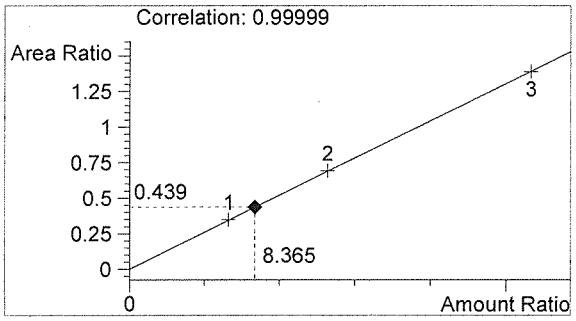
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2017 12:46:49 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

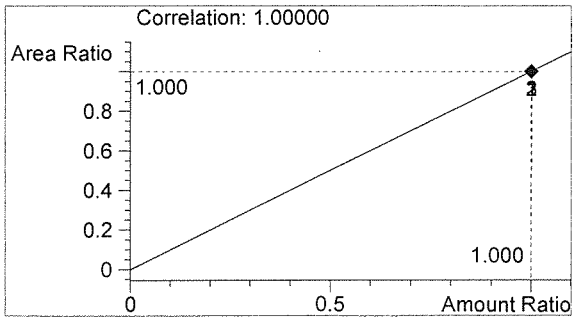
Sample Name: 0.10 CTRL
Operator: Dawn Sklerov
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	1203	1.084
2	n-Propanol	2742	1.763



Ethanol 0.100 g/100mL

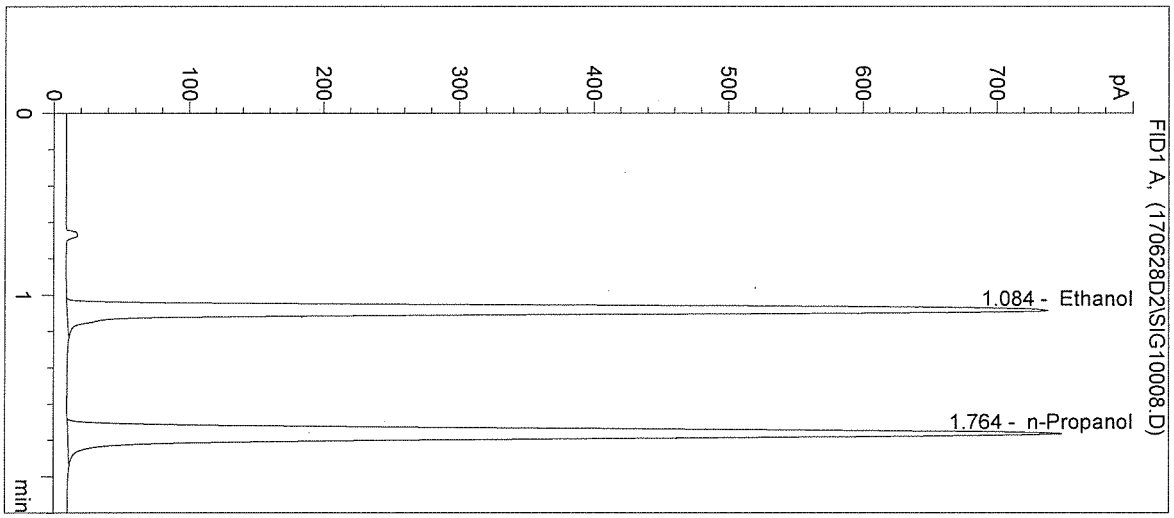


n-Propanol 0.012 g/100mL

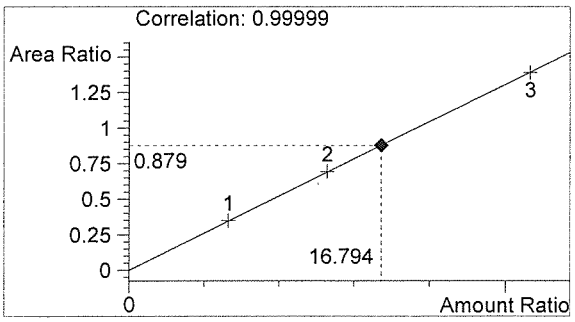
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2017 12:50:02 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

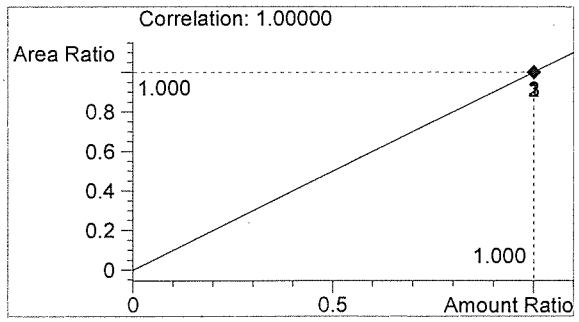
Sample Name: 0.20 CTRL
Operator: Dawn Sklerov
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	2418	1.084
2	n-Propanol	2752	1.764



Ethanol 0.202 g/100mL



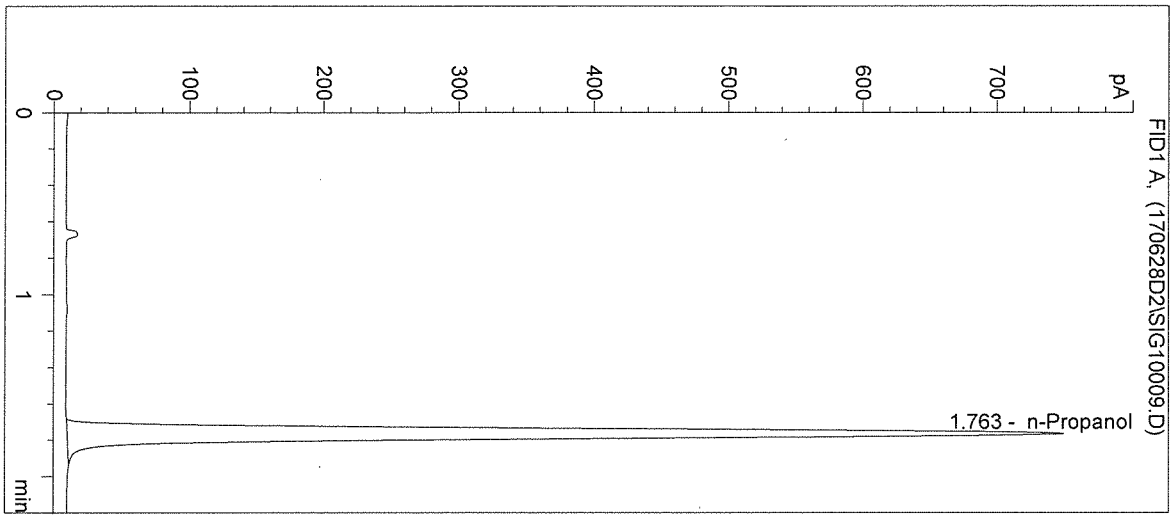
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\170628D2\SIG10008.D

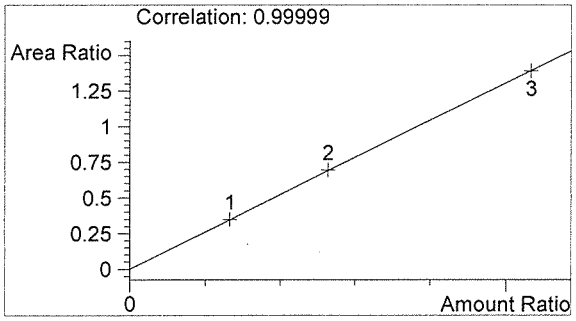
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2017 12:53:16 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

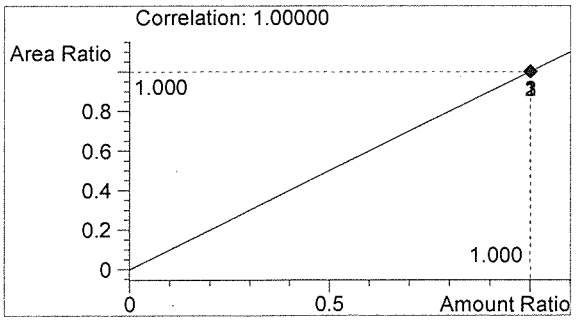
Sample Name: NEG CTRL
Operator: Dawn Sklerov
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2754	1.763



Ethanol 0.000 g/100mL

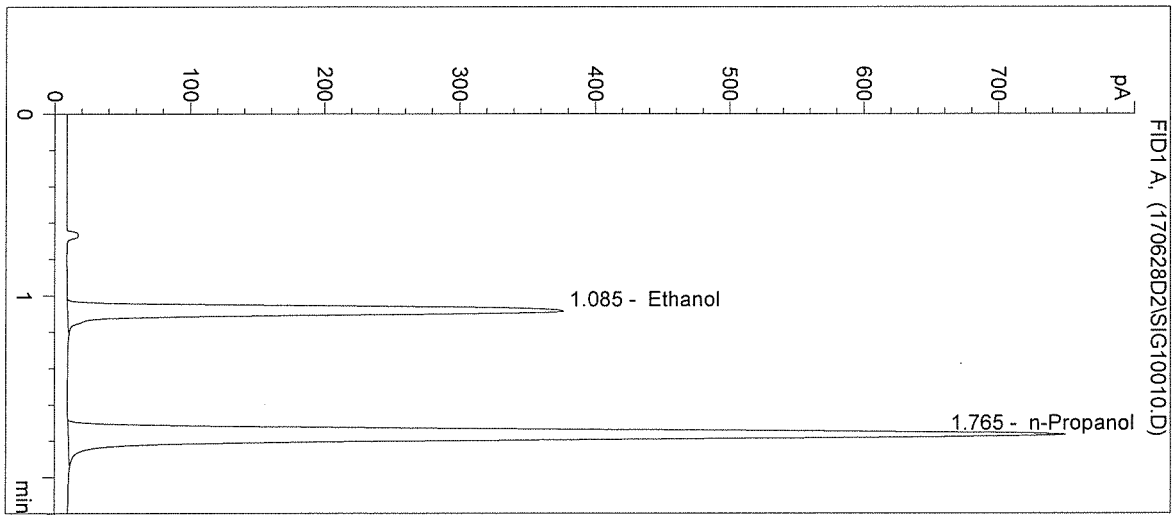


n-Propanol 0.012 g/100mL

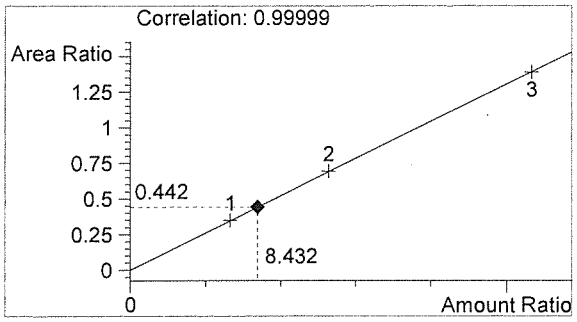
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2017 12:56:29 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

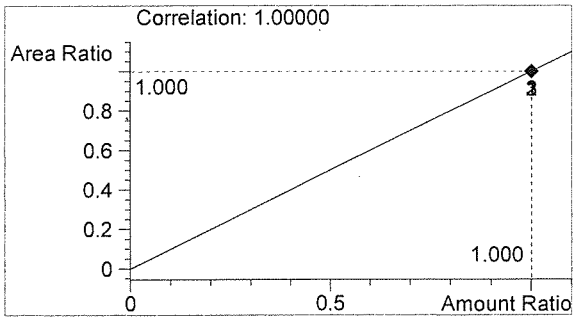
Sample Name: 17044-1
Operator: Dawn Sklerov
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	1222	1.085
2	n-Propanol	2763	1.765



Ethanol 0.101 g/100mL

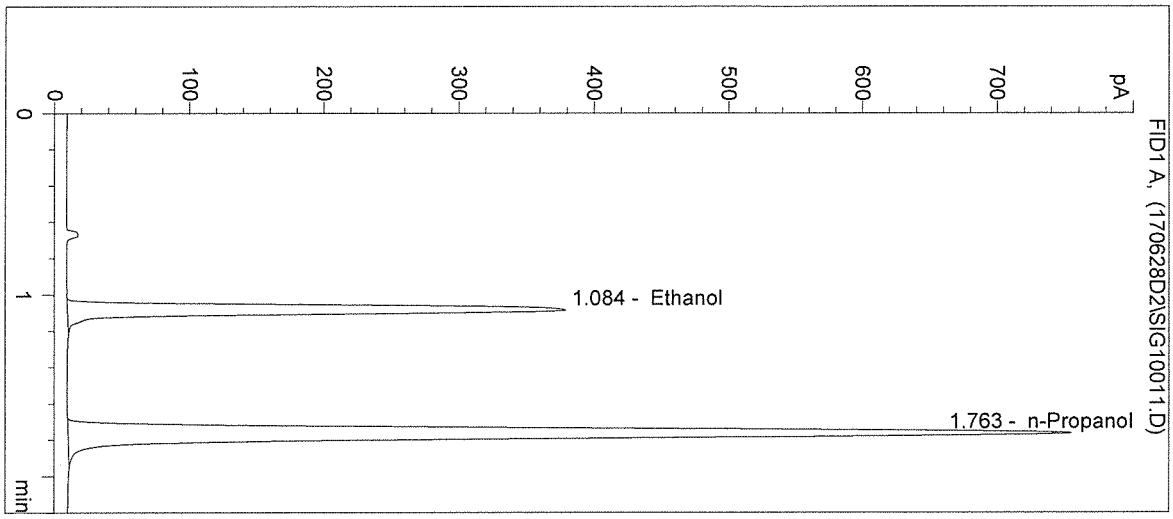


n-Propanol 0.012 g/100mL

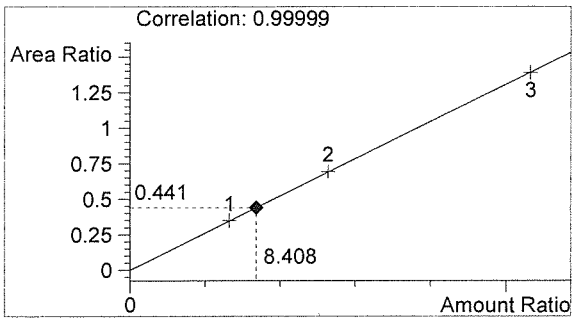
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2017 12:59:42 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

Sample Name: 17044-2
Operator: Dawn Sklerov
Location: Vial 11

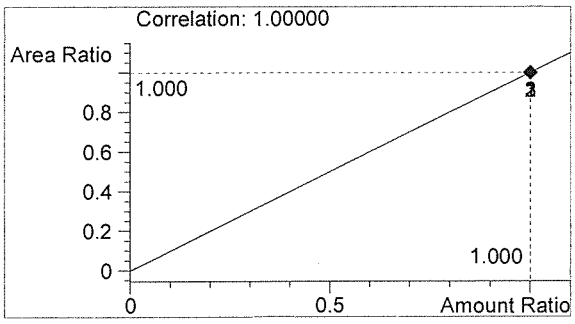


#	Compound	Peak Area	RT (min)
1	Ethanol	1224	1.084
2	n-Propanol	2776	1.763



Ethanol 0.101 g/100mL

BJT



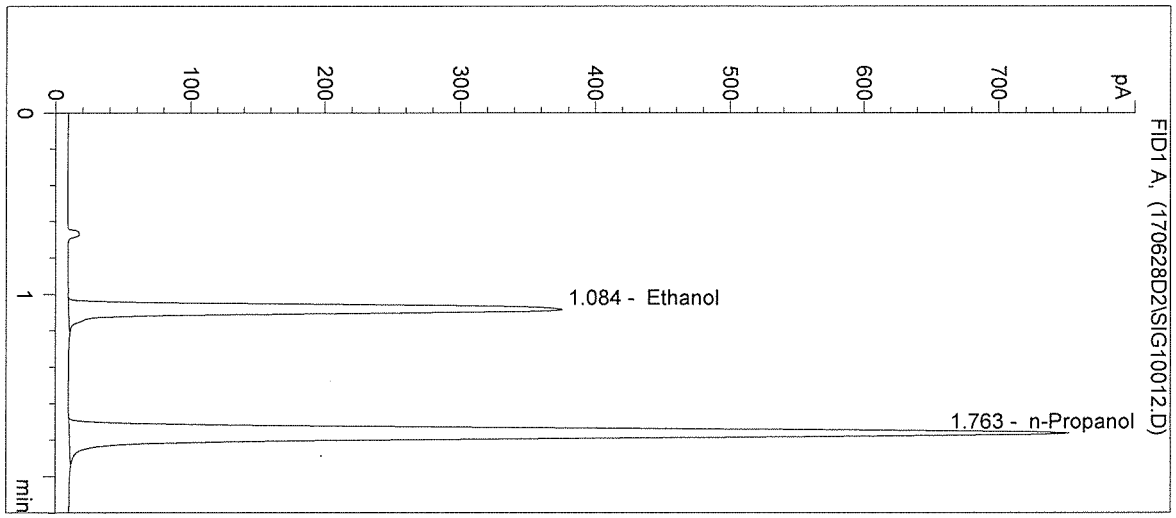
n-Propanol 0.012 g/100mL

DS

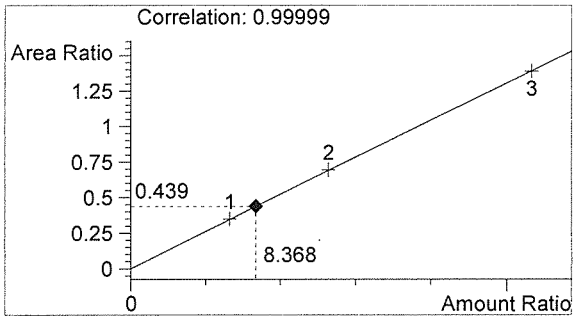
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2017 1:02:55 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

Sample Name: 17044-3
Operator: Dawn Sklerov
Location: Vial 12

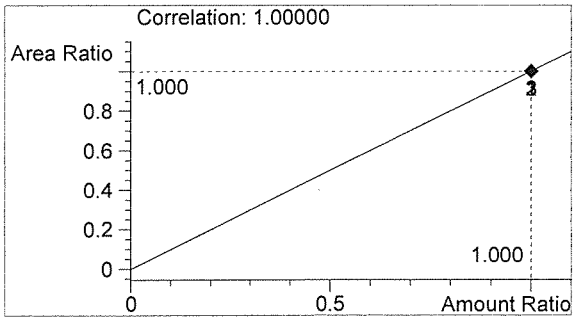


#	Compound	Peak Area	RT (min)
1	Ethanol	1210	1.084
2	n-Propanol	2757	1.763



Ethanol 0.100 g/100mL

BJT



n-Propanol 0.012 g/100mL

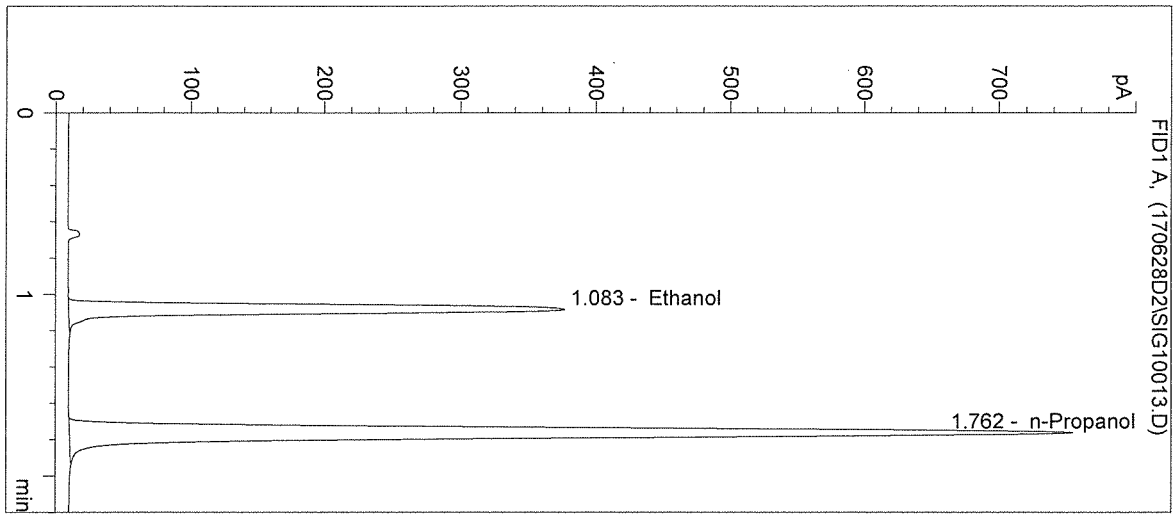
Data File: C:\HPCHEM\1\DATA\170628D2\SIG10012.D

DS

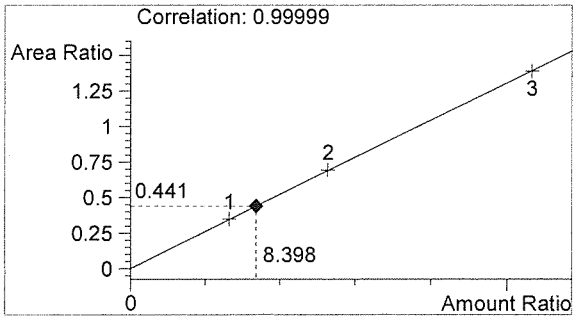
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2017 1:06:08 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

Sample Name: 17044-4
Operator: Dawn Sklerov
Location: Vial 13

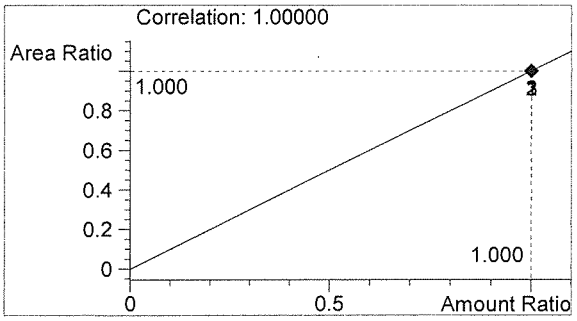


#	Compound	Peak Area	RT (min)
1	Ethanol	1219	1.083
2	n-Propanol	2766	1.762



Ethanol 0.101 g/100mL

PJ



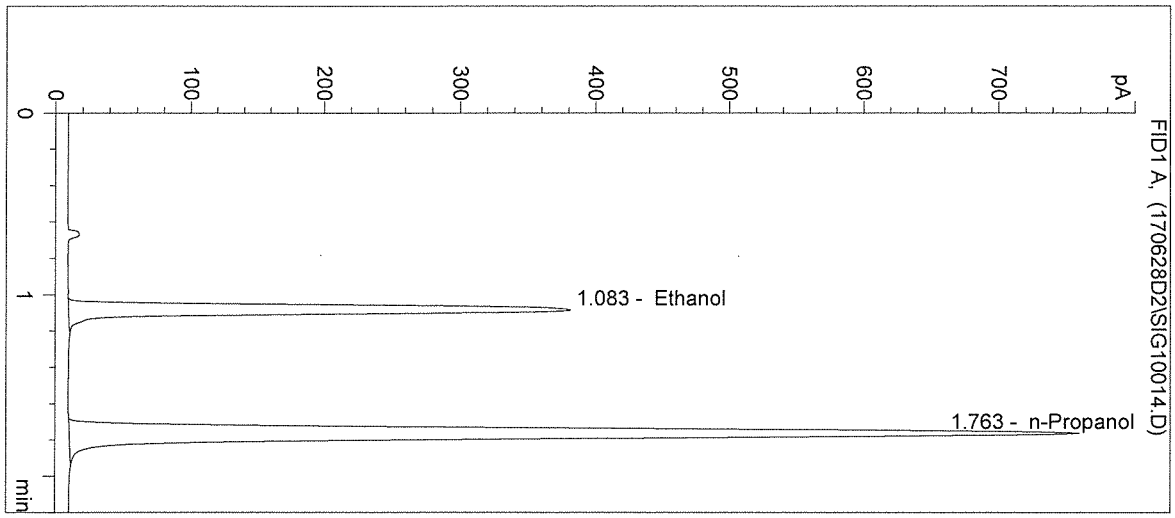
n-Propanol 0.012 g/100mL

DS

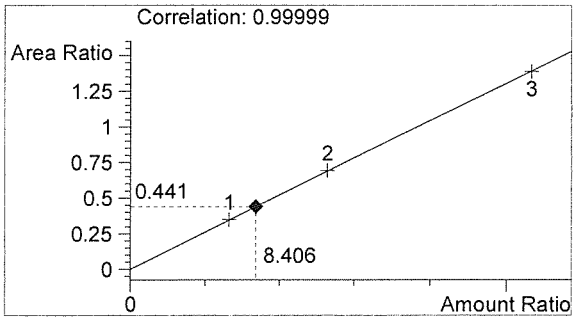
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2017 1:09:22 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

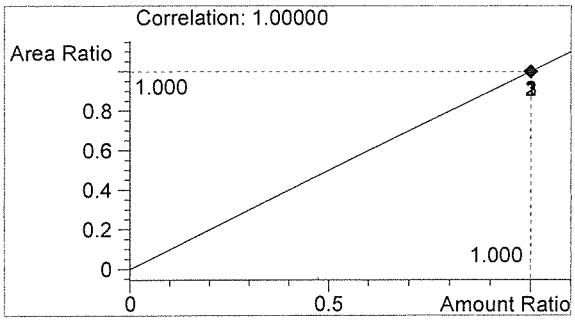
Sample Name: 17044-5
Operator: Dawn Sklerov
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	1232	1.083
2	n-Propanol	2794	1.763



Ethanol 0.101 g/100mL

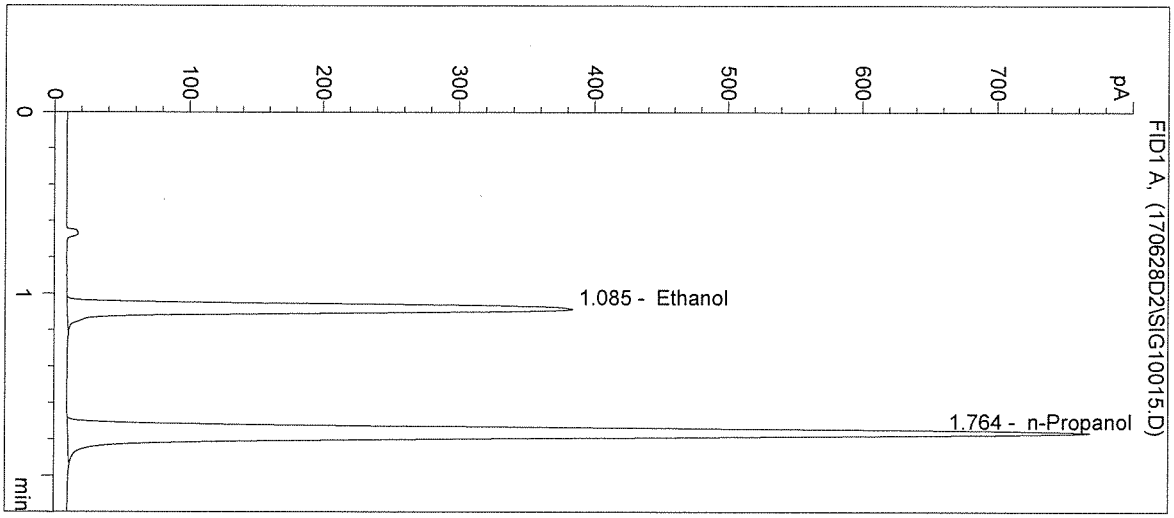


n-Propanol 0.012 g/100mL

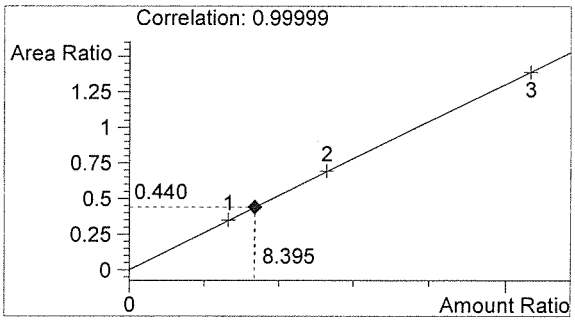
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2017 1:12:34 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

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

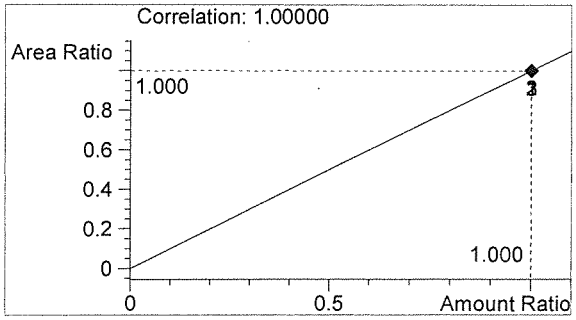


#	Compound	Peak Area	RT (min)
1	Ethanol	1250	1.085
2	n-Propanol	2838	1.764



Ethanol 0.101 g/100mL

PDT



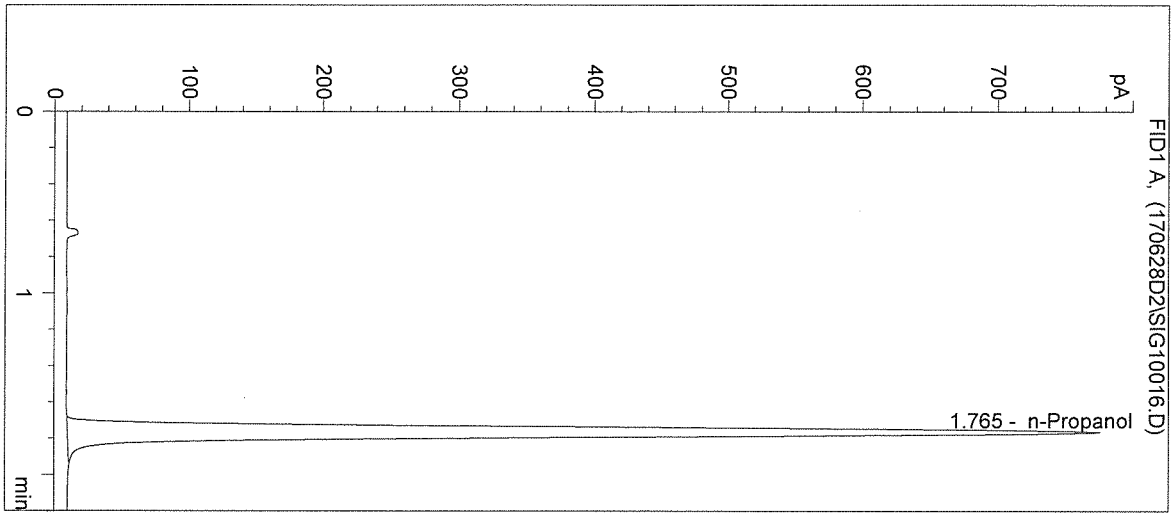
n-Propanol 0.012 g/100mL

DS

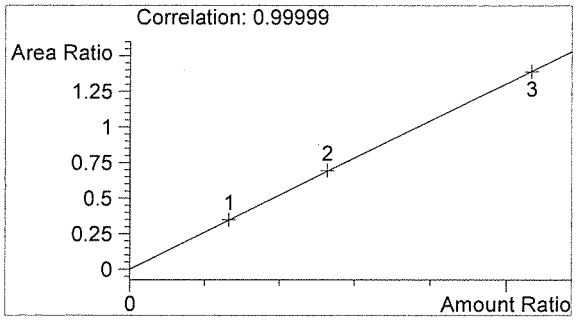
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2017 1:15:48 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

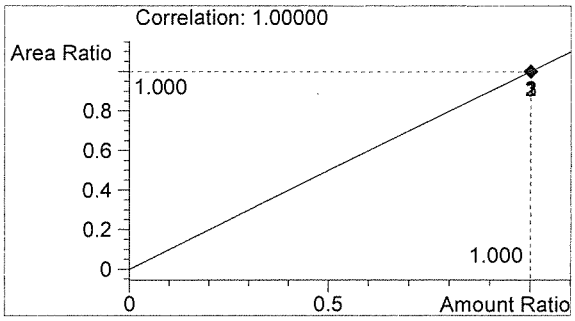
Sample Name: NEG CTRL
Operator: Dawn Sklerov
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2854	1.765



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

Sequence Parameters:

Operator:	Naziha Nuwayhid, PhD
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	170710NN
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E0217-01 - Exp. 08/21/2017
Ethanol Calibrator 2, E0217-02 - Exp. 08/21/2017
Ethanol Calibrator 3, E0217-03 - Exp. 08/21/2017
CTRL1 (0.04g/100mL), Lot # FN12181501 - Exp. 12/2020
CTRL2 (0.10g/100mL), Lot # FN08051301 - Exp. 10/2018
CTRL3 (0.20g/100mL), Lot # FN08101505 - Exp. 02/2021
Internal Standard Lot#P0517 - Exp. 08/18/17

Calibration data filed with batch 17044.

Diluter #2.

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	17044 #1	SIMALC1	1	Sample		
11	Vial 11	17044 #2	SIMALC1	1	Sample		
12	Vial 12	17044 #3	SIMALC1	1	Sample		
13	Vial 13	17044 #4	SIMALC1	1	Sample		
14	Vial 14	17044 #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	17050 #1	SIMALC1	1	Sample		
18	Vial 18	17050 #2	SIMALC1	1	Sample		
19	Vial 19	17050 #3	SIMALC1	1	Sample		
20	Vial 20	17050 #4	SIMALC1	1	Sample		
21	Vial 21	17050 #5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		

17044

NN 7/14/17

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

17044

BT 7/14/17

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

Calibration Table

Calib. Data Modified : Monday, July 10, 2017 2:14:04 PM

Calculate : Internal Standard
Based on : Peak Area

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

Curve Type : Linear
Origin : Included
Weight : Equal

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

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

Sample ISTD Information:

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

Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.091	1	1	7.91500e-2	970.48993	8.15567e-5	1		Ethanol
		2	1.58300e-1	1941.12537	8.15506e-5			
		3	3.19520e-1	4271.09424	7.48099e-5			
1.770	1	1	1.20000e-2	2793.59937	4.29553e-6	I1		n-Propanol
		2	1.20000e-2	2804.83911	4.27832e-6			
		3	1.20000e-2	2997.10303	4.00387e-6			

Peak Sum Table

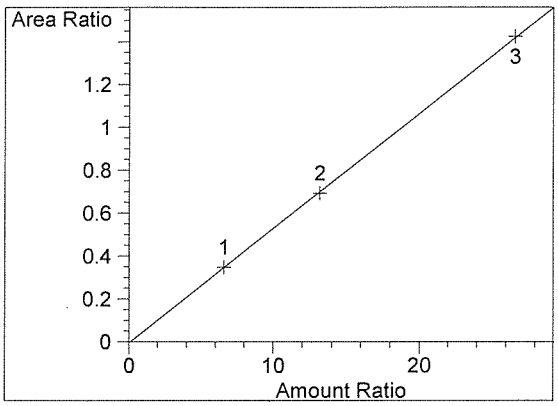
No Entries in table

17044
BT
7/14/17

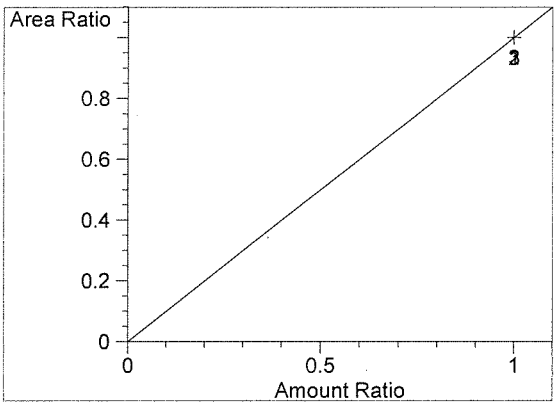
==========

Calibration Curves

==========



Ethanol at exp. RT: 1.091
FID1 A,
Correlation: 0.99994
Residual Std. Dev.: 0.00808
Formula: y = mx + b
m: 5.35359e-2
b: -5.07217e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.770
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

==========

17044

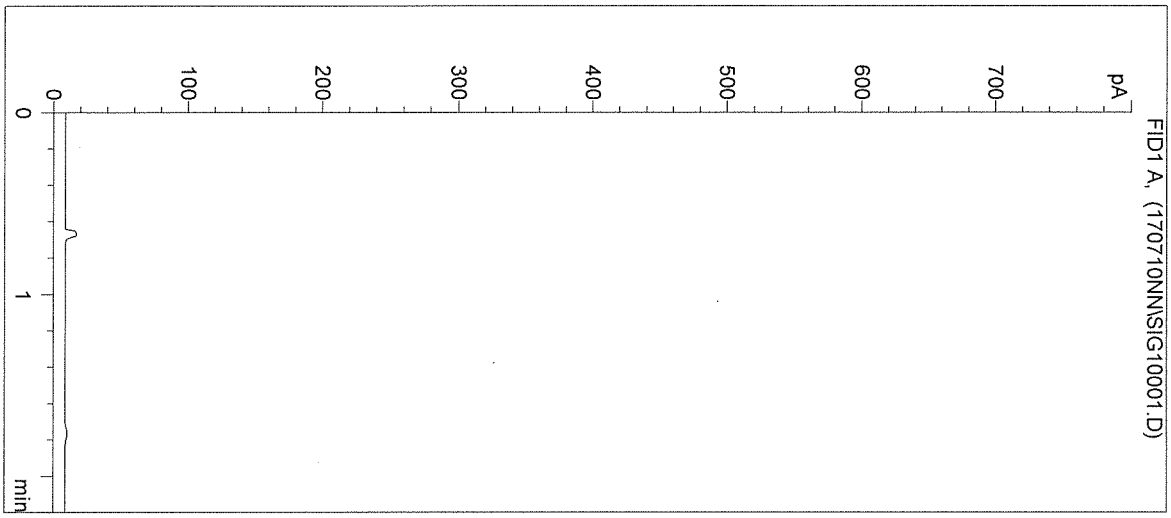
BT
7/14/17

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

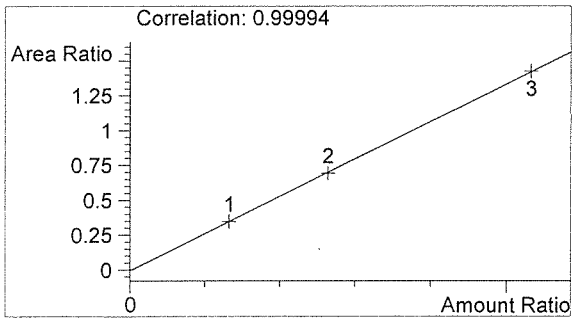
Inj. Date: 7/10/2017 2:01:58 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

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

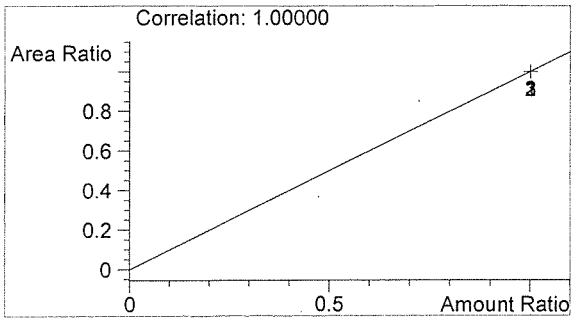
->



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



Ethanol 0.000 g/100mL

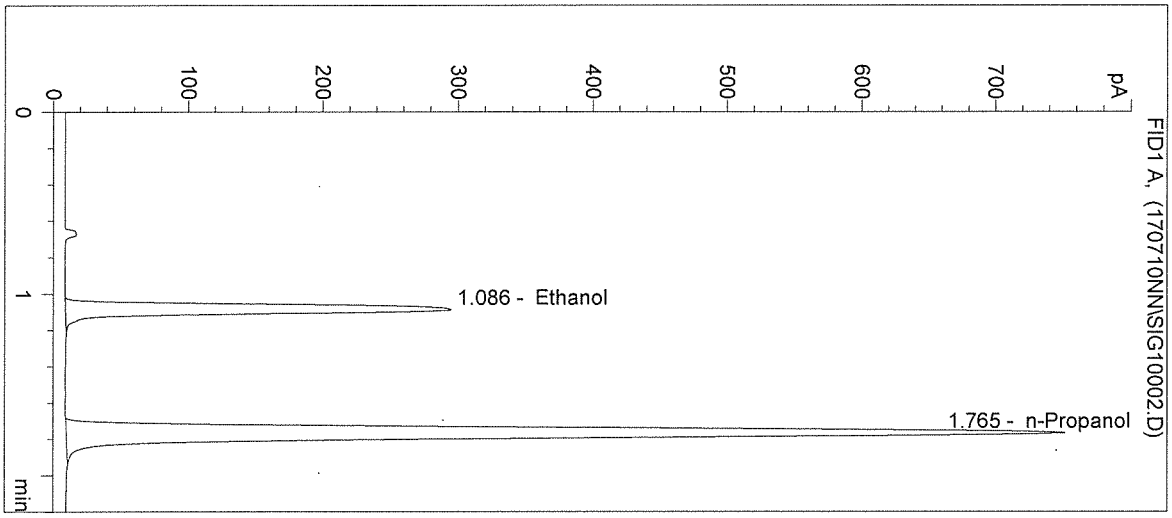


n-Propanol 0.000 g/100mL

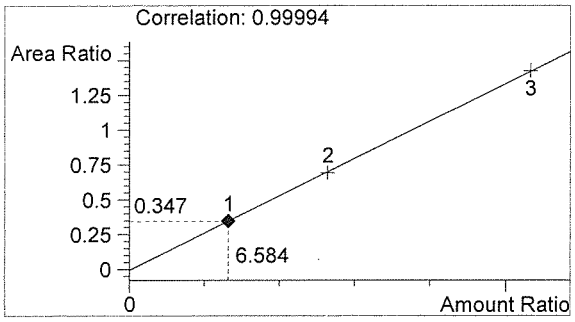
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/10/2017 2:05:16 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

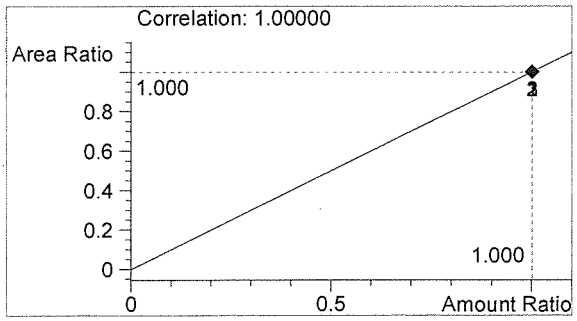
Sample Name: 0.079 CAL 1
Operator: Naziha Nuwayhid, PhD
Location: Vial 2



#	Compound	Peak Area	RT (min)
1	Ethanol	970	1.086
2	n-Propanol	2794	1.765



Ethanol 0.079 g/100mL

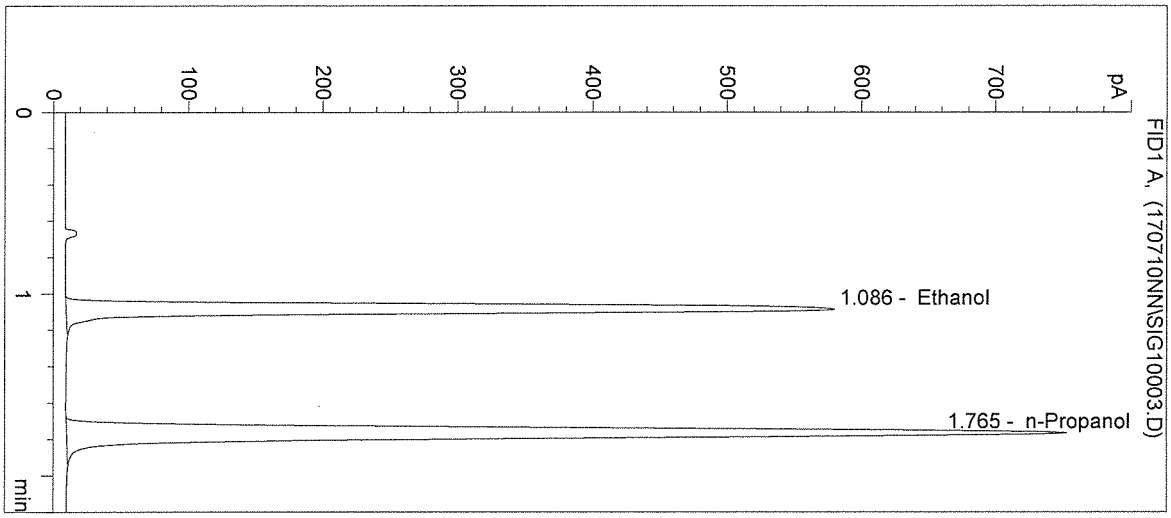


n-Propanol 0.012 g/100mL

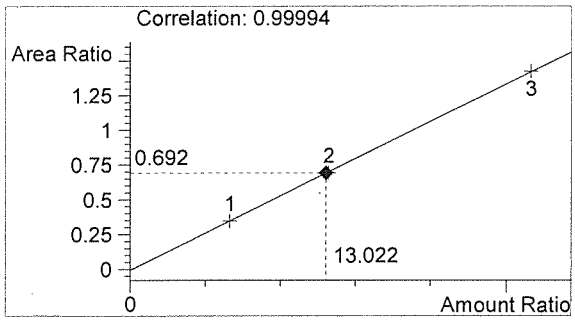
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/10/2017 2:08:34 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

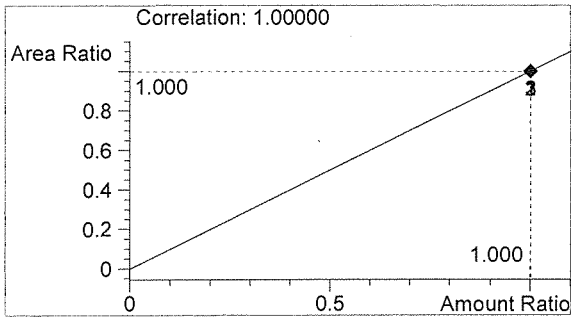
Sample Name: 0.158 CAL 2
Operator: Naziha Nuwayhid, PhD
Location: Vial 3



#	Compound	Peak Area	RT (min)
1	Ethanol	1941	1.086
2	n-Propanol	2805	1.765



Ethanol 0.156 g/100mL

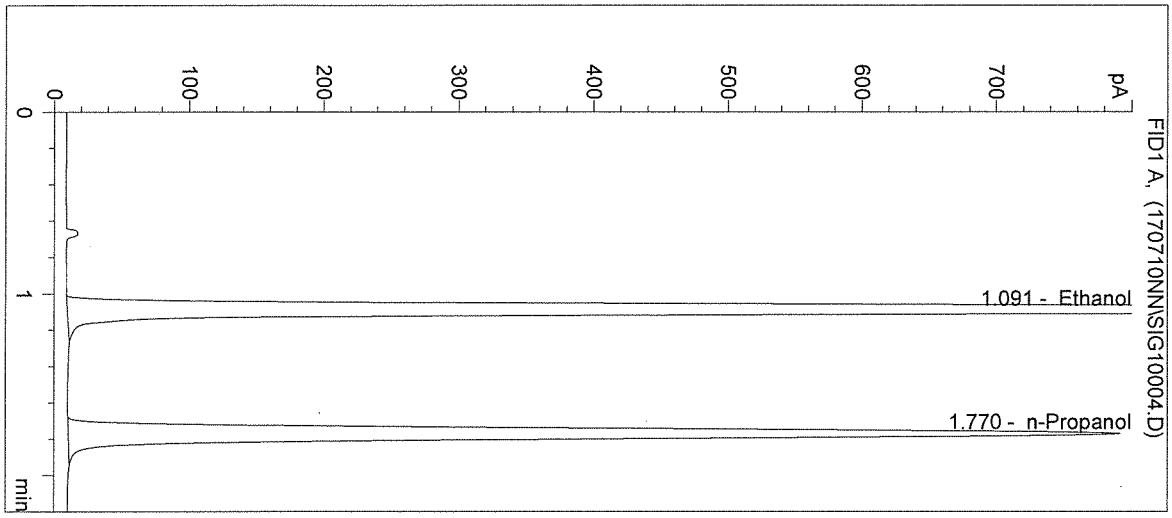


n-Propanol 0.012 g/100mL

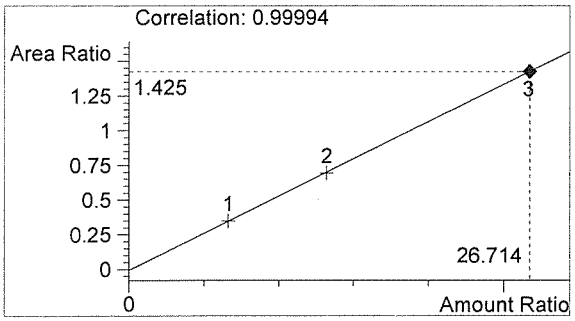
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/10/2017 2:11:51 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

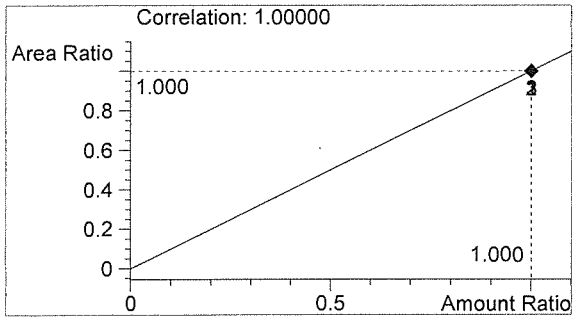
Sample Name: 0.316 CAL 3
Operator: Naziha Nuwayhid, PhD
Location: Vial 4



#	Compound	Peak Area	RT (min)
1	Ethanol	4271	1.091
2	n-Propanol	2997	1.770



Ethanol 0.321 g/100mL

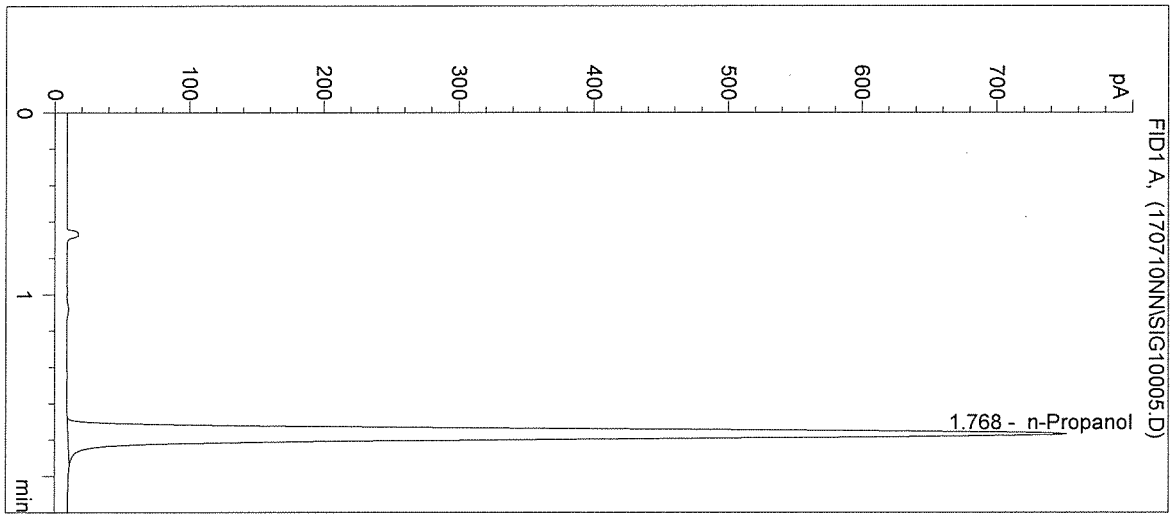


n-Propanol 0.012 g/100mL

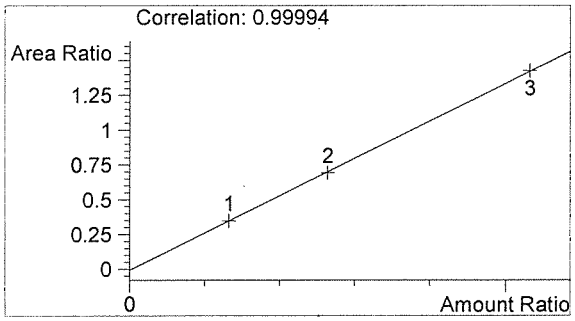
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/10/2017 2:15:04 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

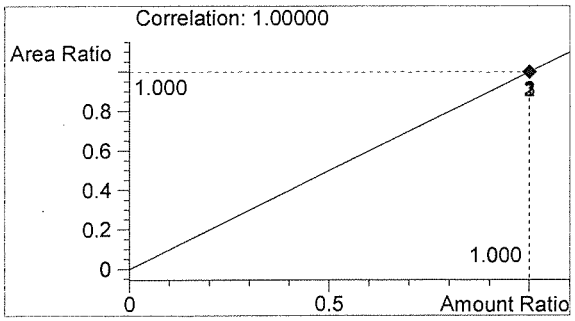
Sample Name: NEG CTRL
Operator: Naziha Nuwayhid, PhD
Location: Vial 5



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2823	1.768



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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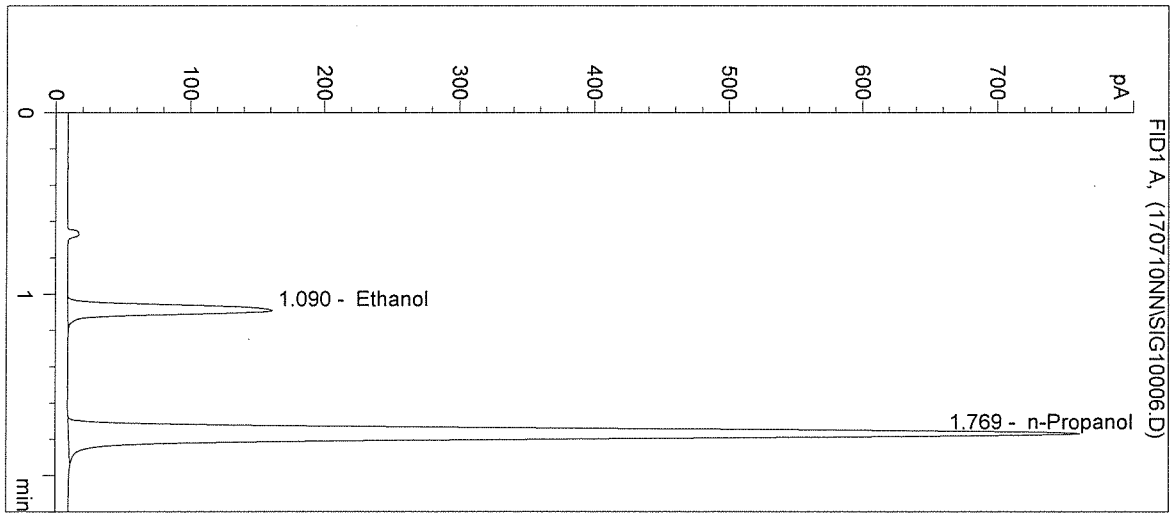
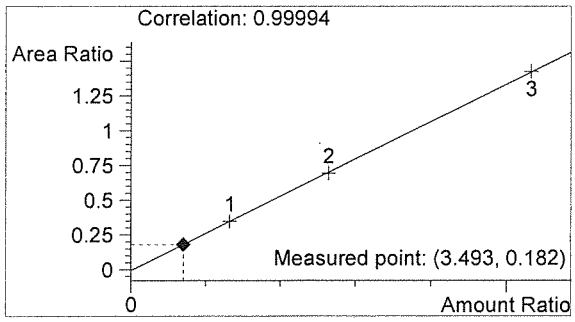
Inj. Date: 7/10/2017 2:18:18 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

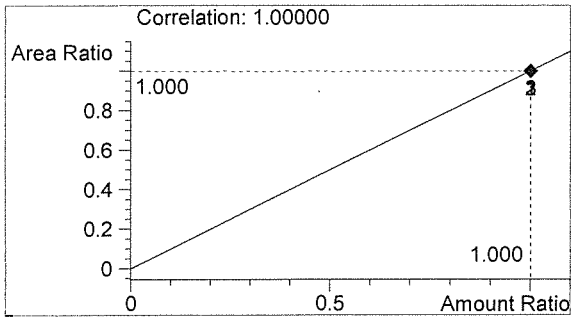
Sample Name: 0.04 CTRL
Operator: Naziha Nuwayhid, PhD
Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	522	1.090
2	n-Propanol	2872	1.769



Ethanol 0.042 g/100mL



n-Propanol 0.012 g/100mL

BT

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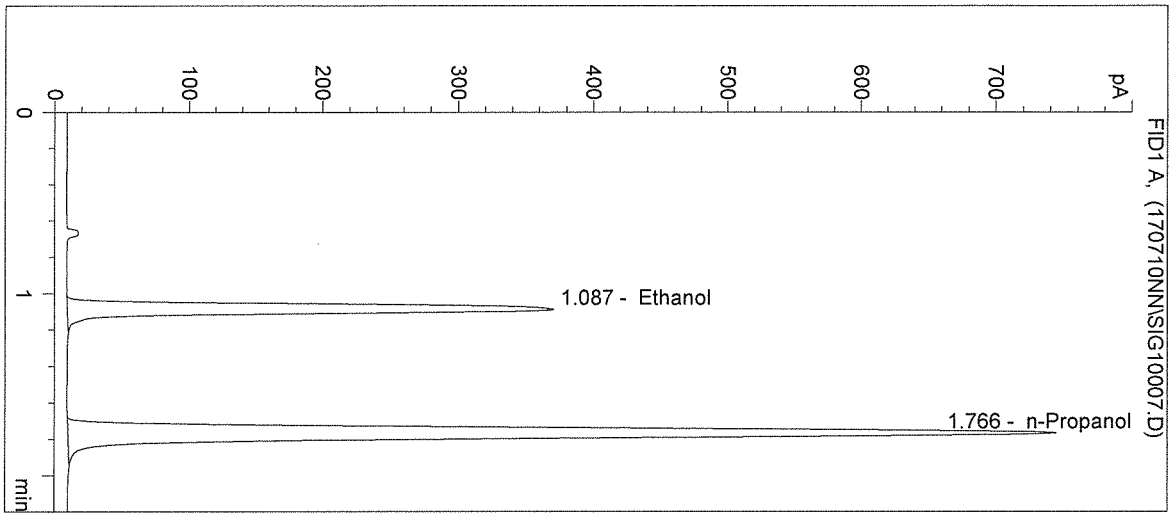
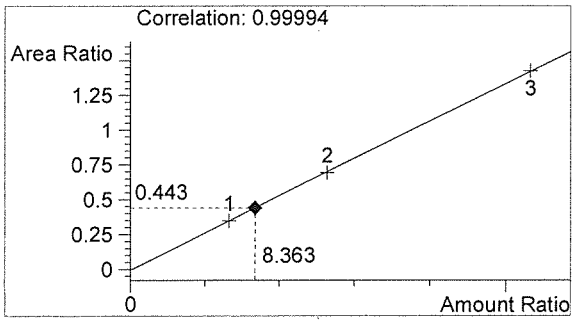
Inj. Date: 7/10/2017 2:21:31 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

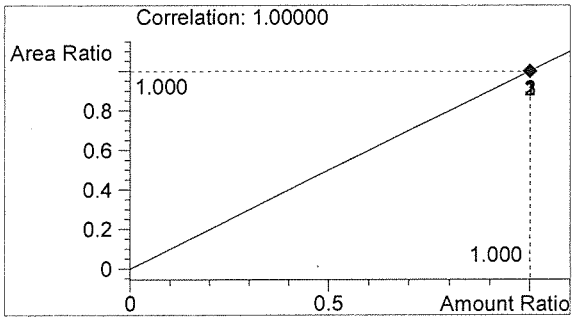
Sample Name: 0.10 CTRL
Operator: Naziha Nuwayhid, PhD
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	1232	1.087
2	n-Propanol	2783	1.766



Ethanol 0.100 g/100mL

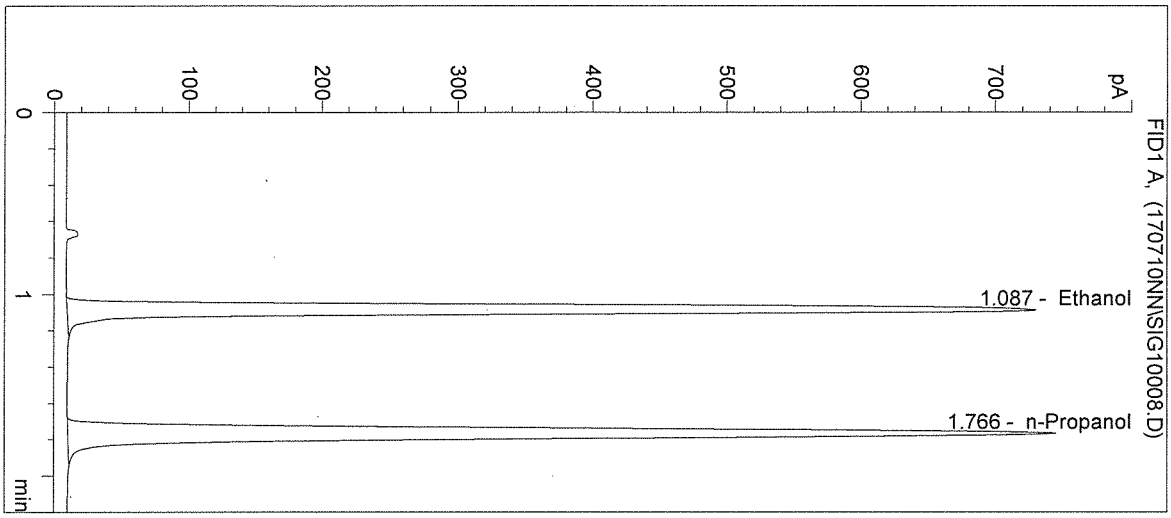


n-Propanol 0.012 g/100mL

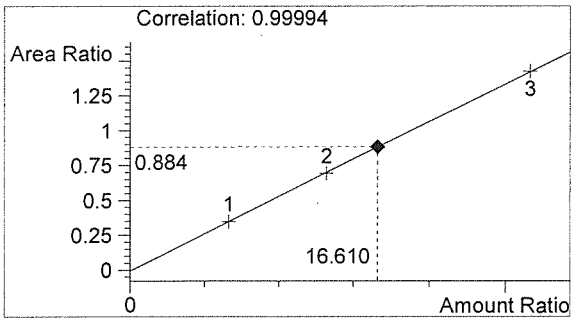
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/10/2017 2:24:45 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

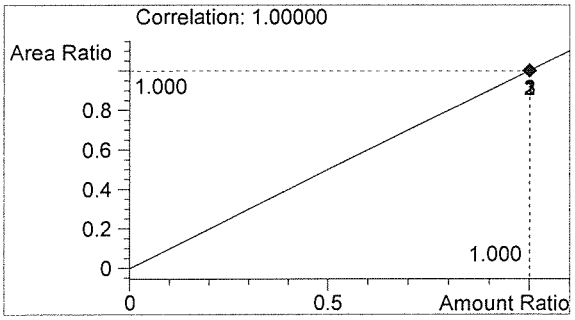
Sample Name: 0.20 CTRL
Operator: Naziha Nuwayhid, PhD
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	2450	1.087
2	n-Propanol	2771	1.766



Ethanol 0.199 g/100mL



n-Propanol 0.012 g/100mL

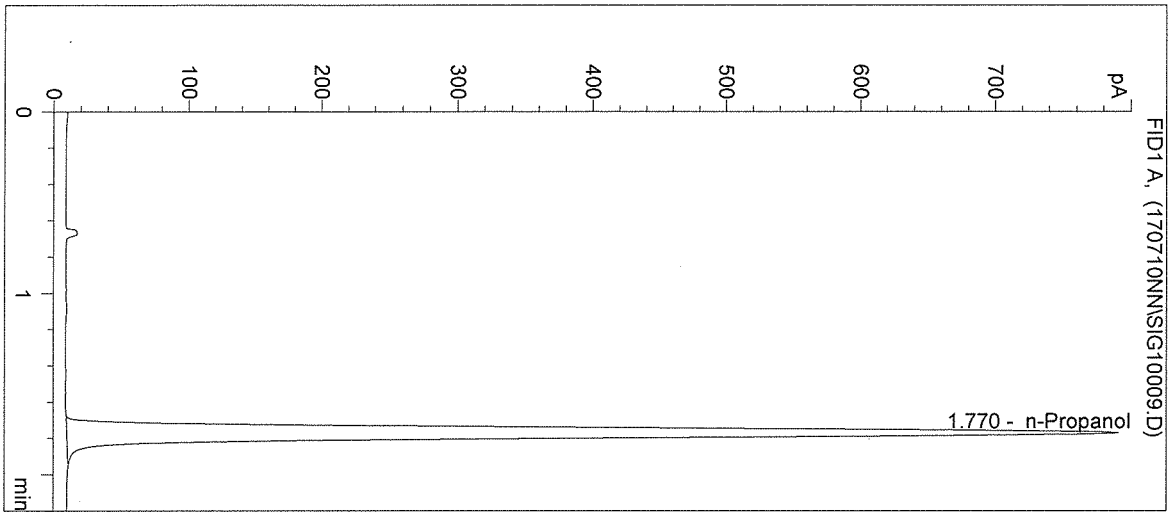
BT

Data File: C:\HPCHEM\1\DATA\170710NN\SIG10008.D

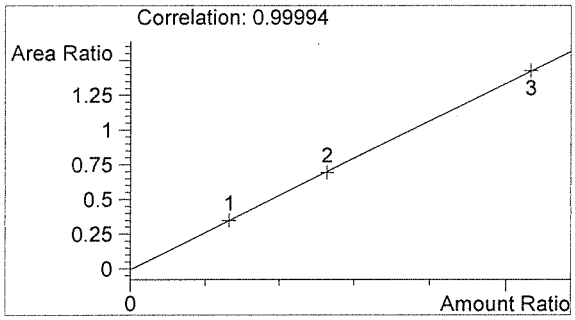
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/10/2017 2:27:58 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

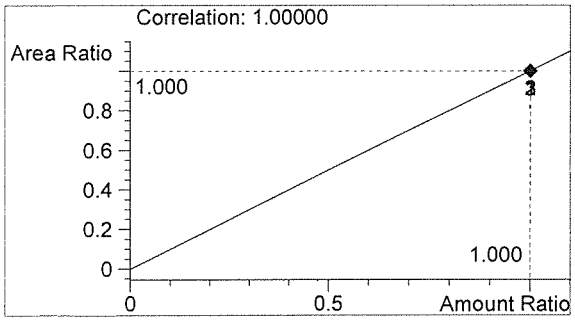
Sample Name: NEG CTRL
Operator: Naziha Nuwayhid, PhD
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2983	1.770



Ethanol 0.000 g/100mL

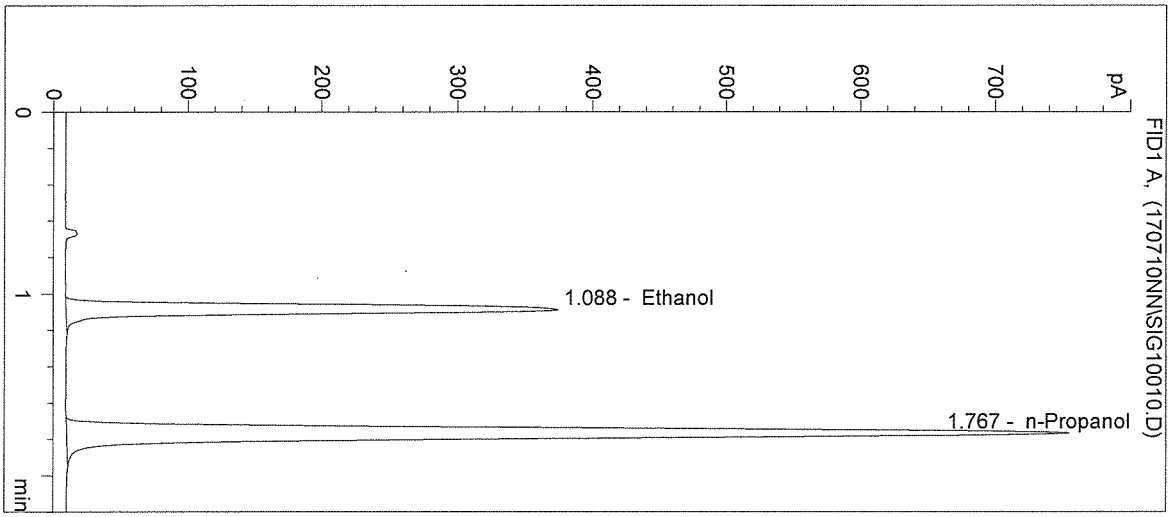


n-Propanol 0.012 g/100mL

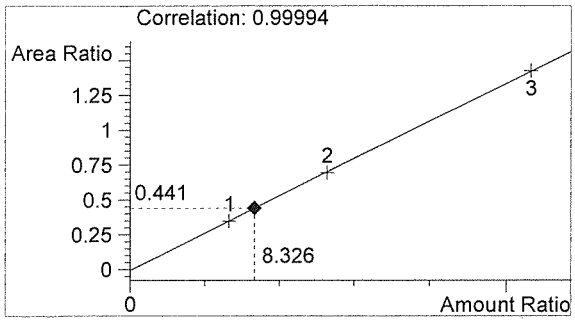
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/10/2017 2:31:11 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

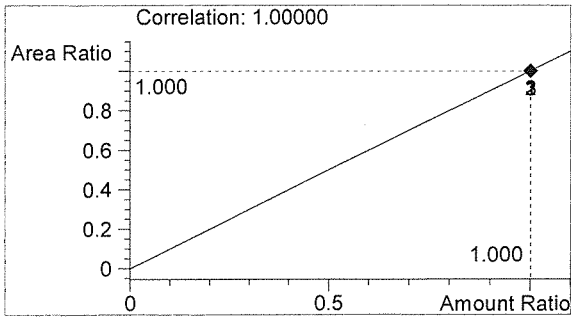
Sample Name: 17044 #1
Operator: Naziha Nuwayhid, PhD
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	1243	1.088
2	n-Propanol	2820	1.767



Ethanol 0.100 g/100mL

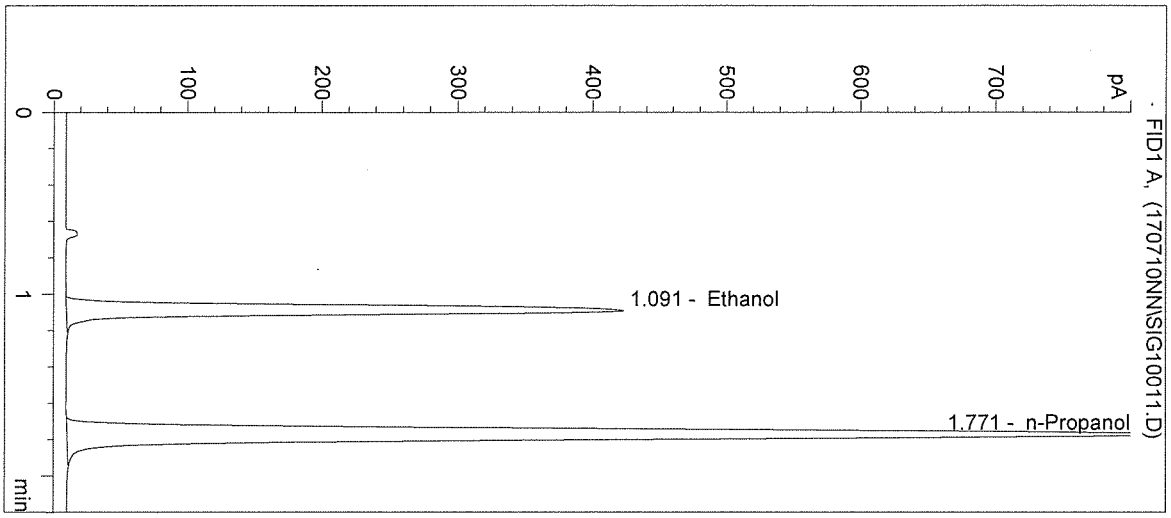


n-Propanol 0.012 g/100mL

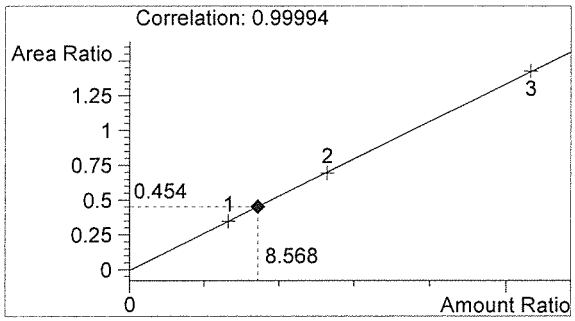
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/10/2017 2:34:24 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

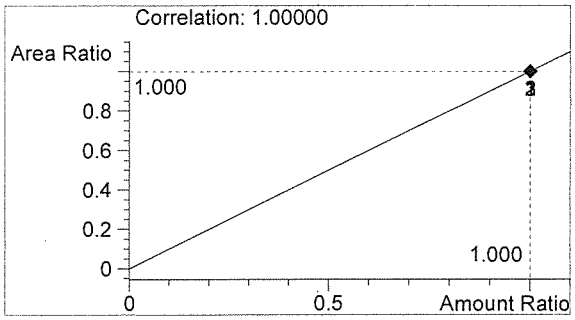
Sample Name: 17044 #2
Operator: Naziha Nuwayhid, PhD
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	1437	1.091
2	n-Propanol	3168	1.771



Ethanol 0.103 g/100mL



n-Propanol 0.012 g/100mL

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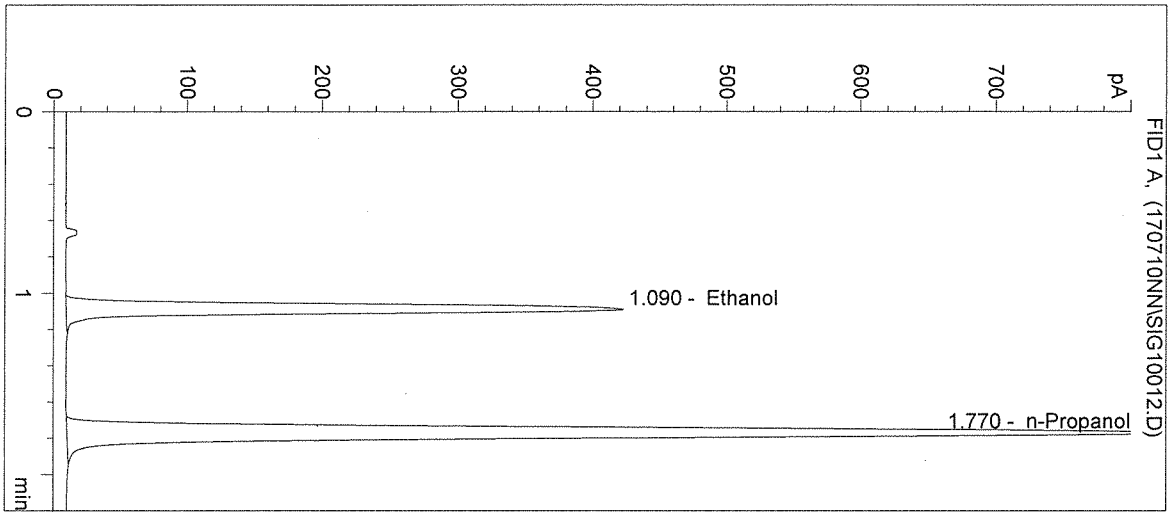
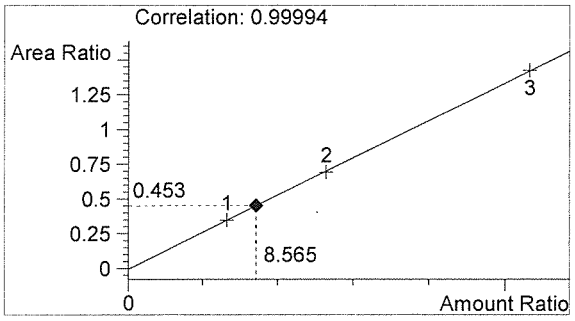
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/10/2017 2:37:37 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

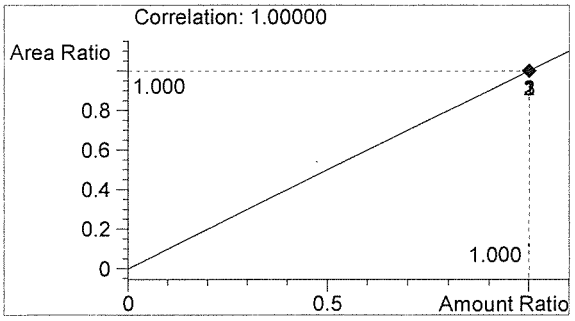
Sample Name: 17044 #3
Operator: Naziha Nuwayhid, PhD
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	1429	1.090
2	n-Propanol	3151	1.770



Ethanol 0.103 g/100mL

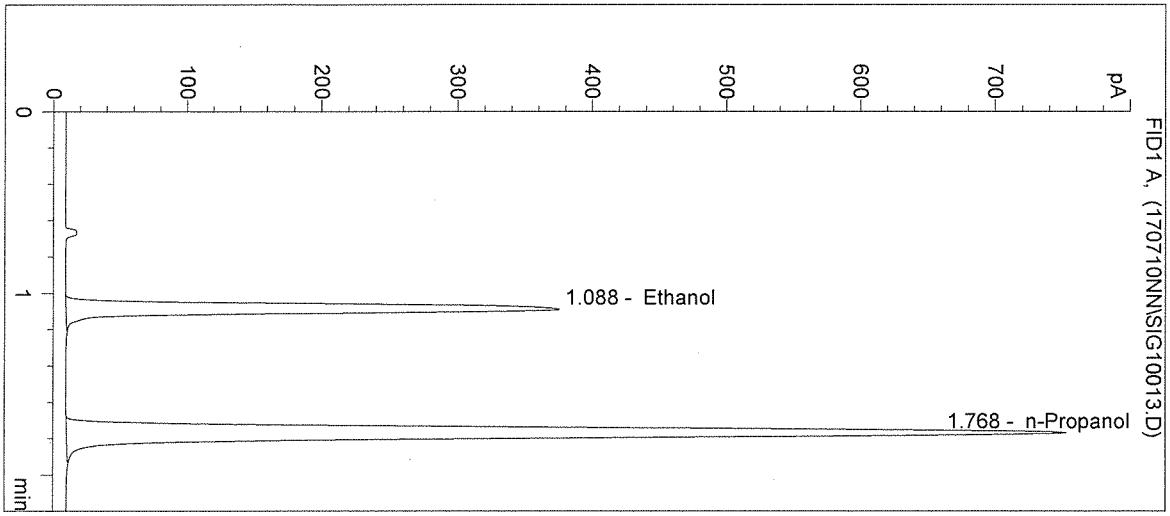


n-Propanol 0.012 g/100mL

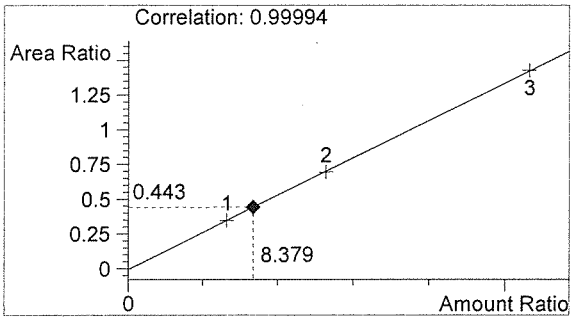
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/10/2017 2:40:51 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

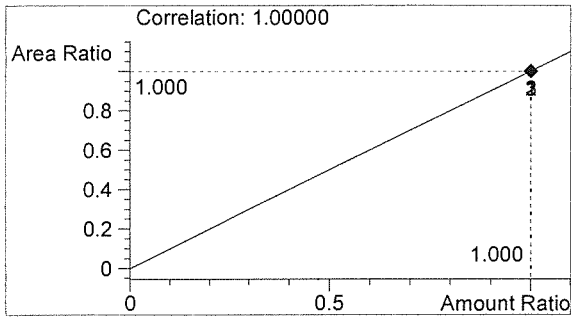
Sample Name: 17044 #4
Operator: Naziha Nuwayhid, PhD
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	1250	1.088
2	n-Propanol	2818	1.768



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

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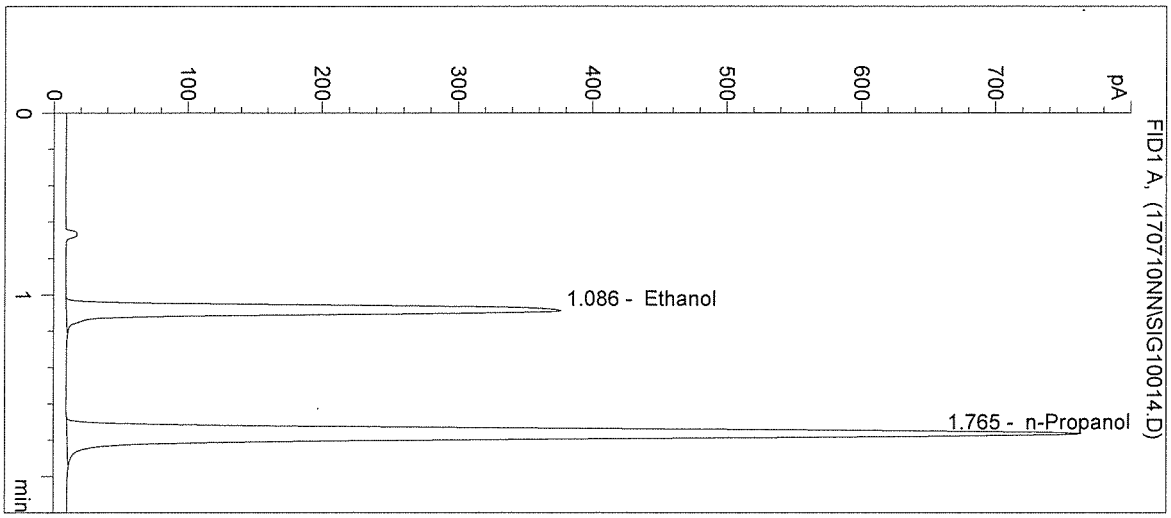
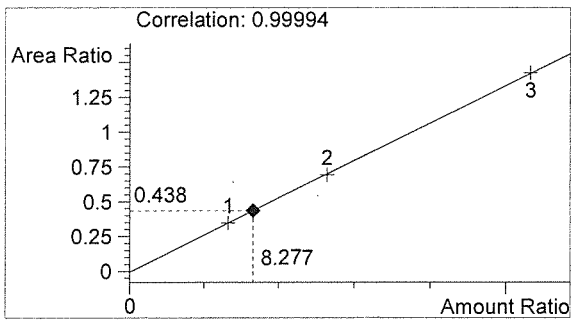
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/10/2017 2:44:04 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

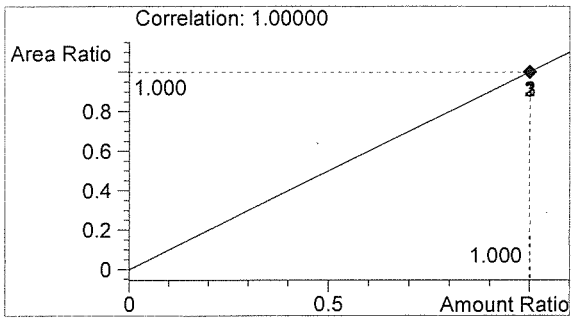
Sample Name: 17044 #5
Operator: Naziha Nuwayhid, PhD
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	1247	1.086
2	n-Propanol	2847	1.765



Ethanol 0.099 g/100mL



n-Propanol 0.012 g/100mL

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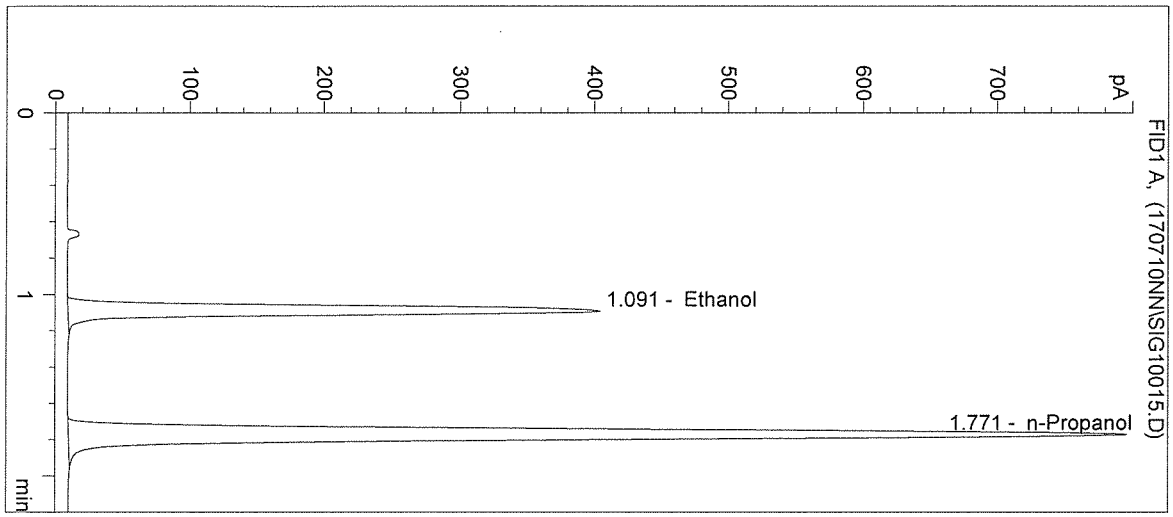
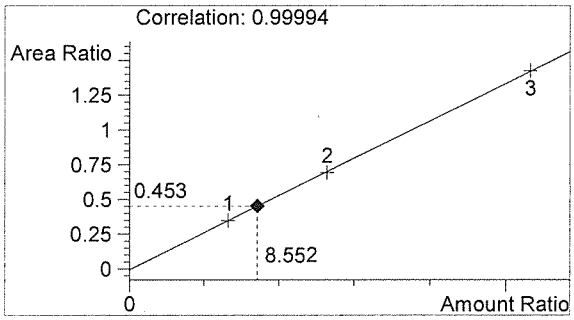
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/10/2017 2:47:17 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

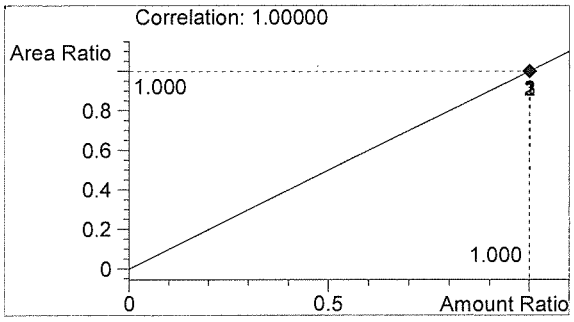
Sample Name: 0.10 CTRL
Operator: Naziha Nuwayhid, PhD
Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	1366	1.091
2	n-Propanol	3018	1.771



Ethanol 0.103 g/100mL

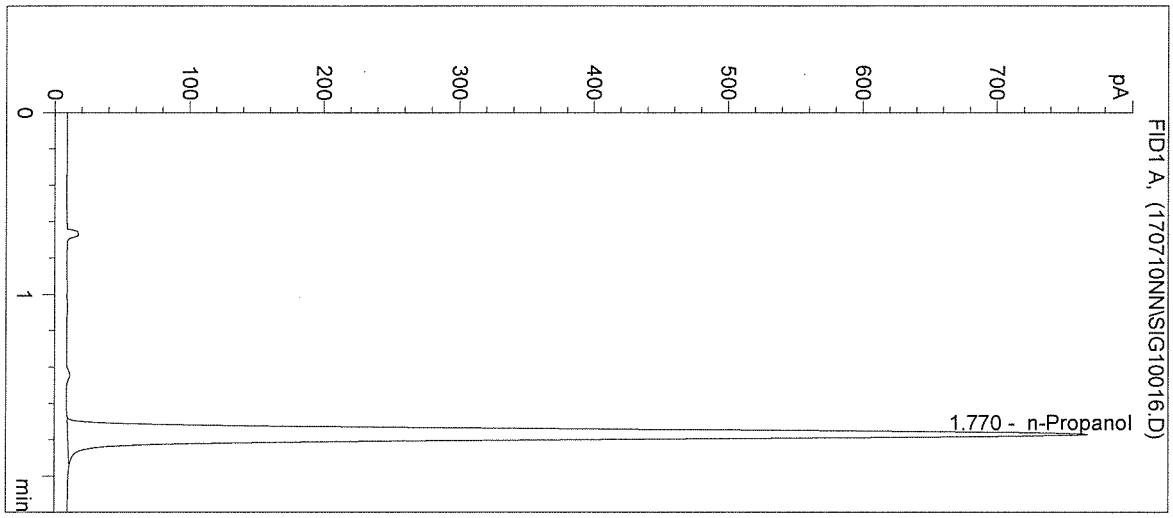


n-Propanol 0.012 g/100mL

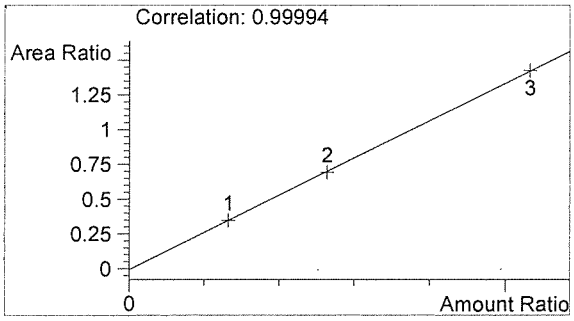
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/10/2017 2:50:31 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

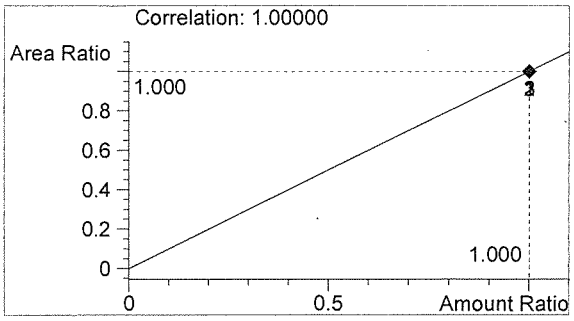
Sample Name: NEG CTRL
Operator: Naziha Nuwayhid, PhD
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2915	1.770



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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

Sequence Parameters:

Operator:	David Nguyen
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	170713DN
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:

CAL 1: 0.079 g/100mL - Lot: E0217-01 - X: 08/21/17
CAL 2: 0.158 g/100mL - Lot: E0217-02 - X: 08/21/17
CAL 3: 0.316 g/100mL - Lot: E0217-03 - X: 08/21/17

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

n-Propanol ISTD - Lot: P0517 - X: 08/18/17

Calibration vials 1-9 filed with 17044.

Diluter #2

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	CAL 1 (0.079)	SIMALC1	1	Calib		
3	Vial 3	CAL 2 (0.158)	SIMALC1	1	Calib		
4	Vial 4	CAL 3 (0.316)	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL	SIMALC1	1	Ctrl Samp		
6	Vial 6	CTRL 1 (0.04)	SIMALC1	1	Ctrl Samp		
7	Vial 7	CTRL 2 (0.10)	SIMALC1	1	Ctrl Samp		
8	Vial 8	CTRL 3 (0.20)	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC1	1	Ctrl Samp		
10	Vial 10	17044 #1	SIMALC1	1	Sample		
11	Vial 11	17044 #2	SIMALC1	1	Sample		
12	Vial 12	17044 #3	SIMALC1	1	Sample		
13	Vial 13	17044 #4	SIMALC1	1	Sample		
14	Vial 14	17044 #5	SIMALC1	1	Sample		
15	Vial 15	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp		
17	Vial 17	17050 #1	SIMALC1	1	Sample		
18	Vial 18	17050 #2	SIMALC1	1	Sample		
19	Vial 19	17050 #3	SIMALC1	1	Sample		
20	Vial 20	17050 #4	SIMALC1	1	Sample		
21	Vial 21	17050 #5	SIMALC1	1	Sample		
22	Vial 22	POS CTRL (0.10)	SIMALC1	1	Ctrl Samp		

17044

DN 7/14/17

DN

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

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

17044

BT
7/14/17

DN

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

Calibration Table

Calib. Data Modified : Thursday, July 13, 2017 3:31:06 PM

Calculate : Internal Standard
Based on : Peak Area

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

Curve Type : Linear
Origin : Included
Weight : Equal

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

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

Sample ISTD Information:

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

Signal 1: FID1 A,

RetTime [min]	Sig	Lvl	Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.091	1	1	7.91500e-2	1088.26208	7.27306e-5	1		Ethanol
		2	1.58300e-1	2206.81177	7.17324e-5			
		3	3.19520e-1	4355.02002	7.33682e-5			
1.770	1	1	1.20000e-2	3035.19702	3.95361e-6	I1		n-Propanol
		2	1.20000e-2	3089.98218	3.88352e-6			
		3	1.20000e-2	3069.60132	3.90930e-6			

17044

Peak Sum Table

No Entries in table

BT 7/14/17

DN

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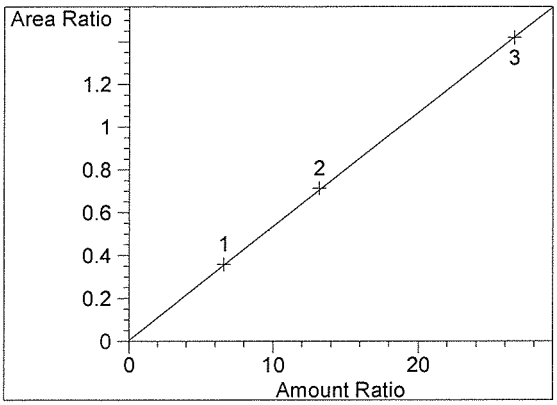
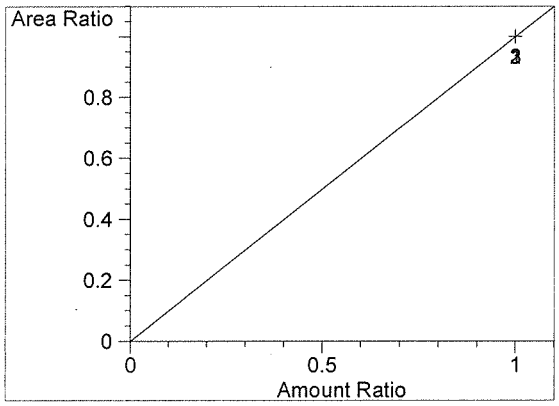
Calibration Curves

==========



Ethanol at exp. RT: 1.091
FID1 A,
Correlation: 0.99996
Residual Std. Dev.: 0.00680
Formula: y = mx + b
m: 5.32379e-2
b: 5.12379e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.770
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

==========

17044
RT
7/14/17

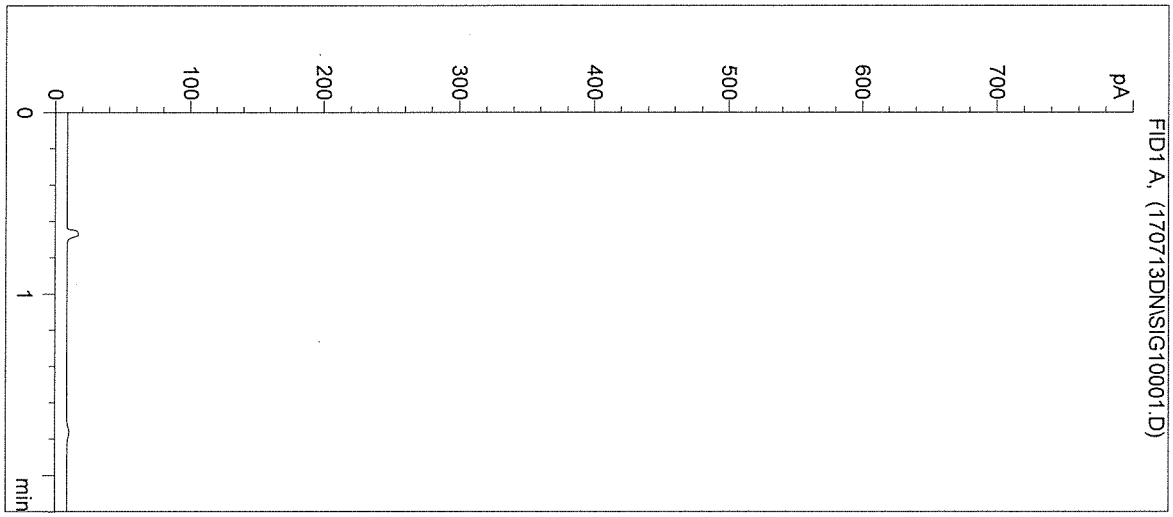
DN

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

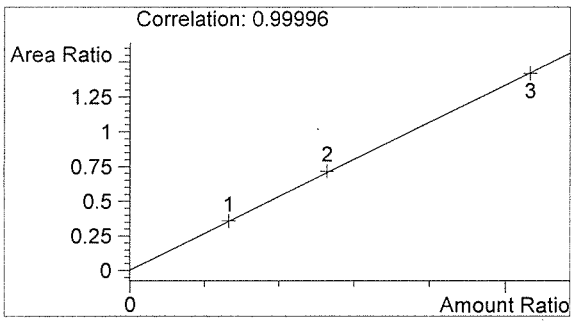
Inj. Date: 7/13/2017 3:19:00 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

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

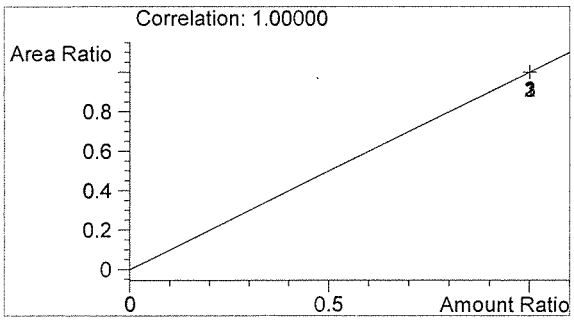
->



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



Ethanol 0.000 g/100mL



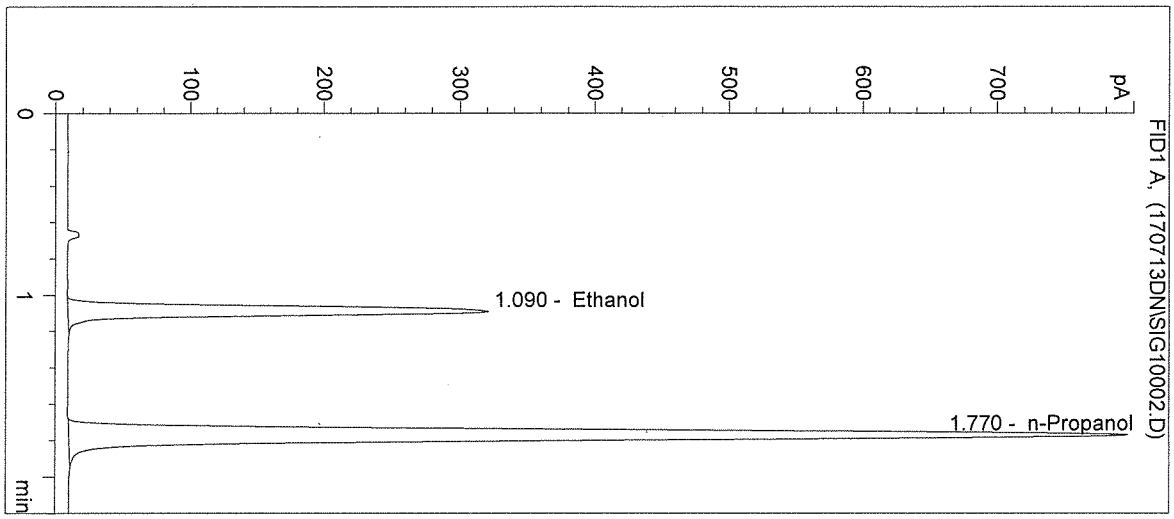
n-Propanol 0.000 g/100mL

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

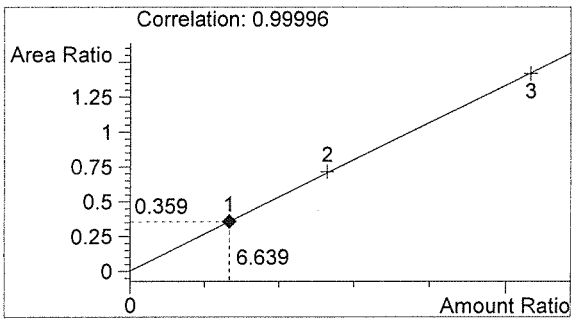
Inj. Date: 7/13/2017 3:22:18 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: CAL 1: 0.079 g/100mL
17044

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

->

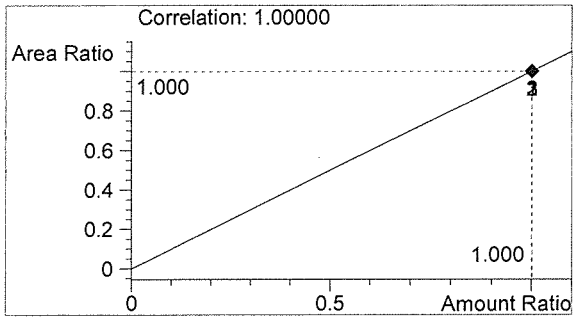


#	Compound	Peak Area	RT (min)
1	Ethanol	1088	1.090
2	n-Propanol	3035	1.770



Ethanol 0.080 g/100mL

BT



n-Propanol 0.012 g/100mL

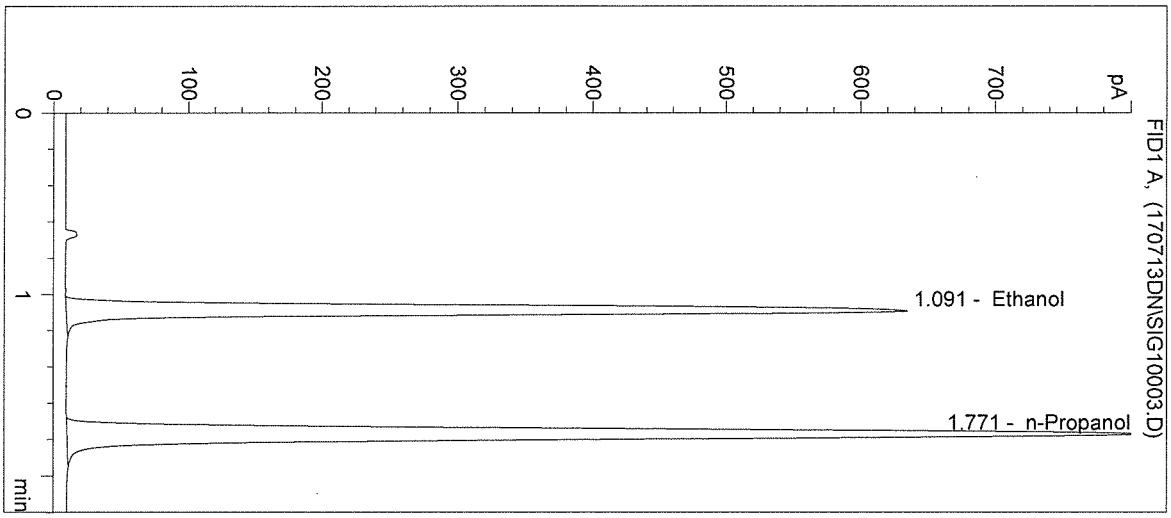
DN

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

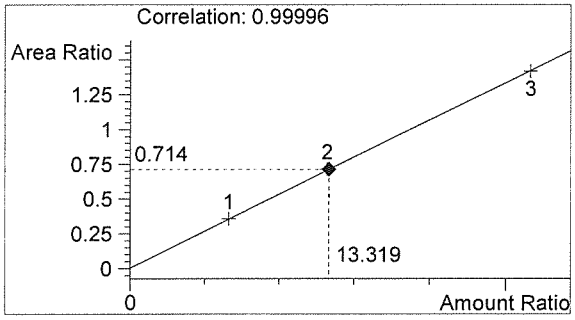
Inj. Date: 7/13/2017 3:25:36 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: CAL 2: 0.158 g/100mL
17044

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

->

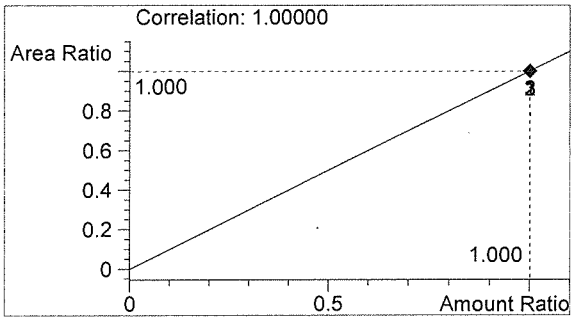


#	Compound	Peak Area	RT (min)
1	Ethanol	2207	1.091
2	n-Propanol	3090	1.771



Ethanol 0.160 g/100mL

BT



n-Propanol 0.012 g/100mL

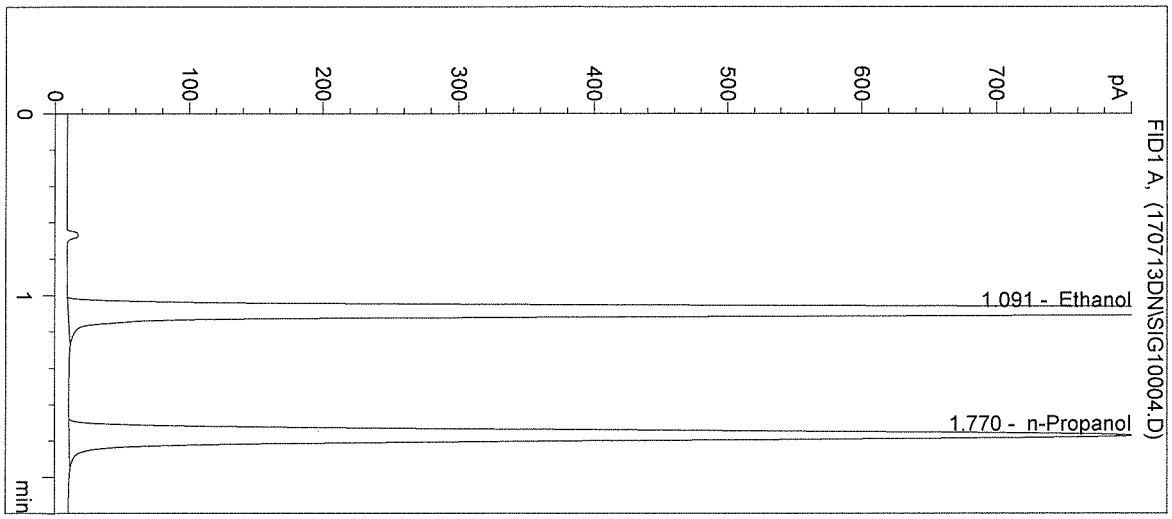
DN

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

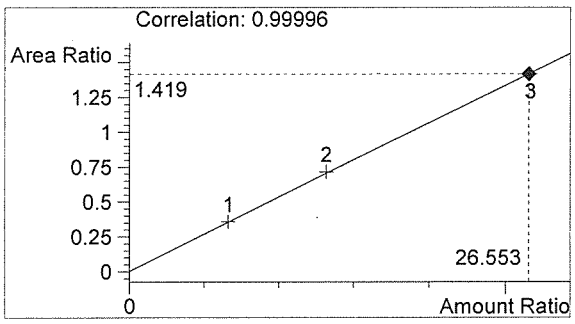
Inj. Date: 7/13/2017 3:28:53 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: CAL 3: 0.316 g/100mL
17044

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

->

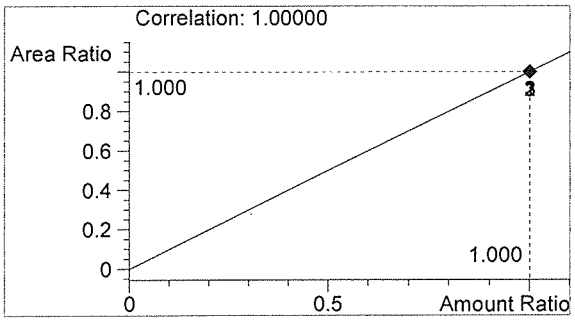


#	Compound	Peak Area	RT (min)
1	Ethanol	4355	1.091
2	n-Propanol	3070	1.770



Ethanol 0.319 g/100mL

DN



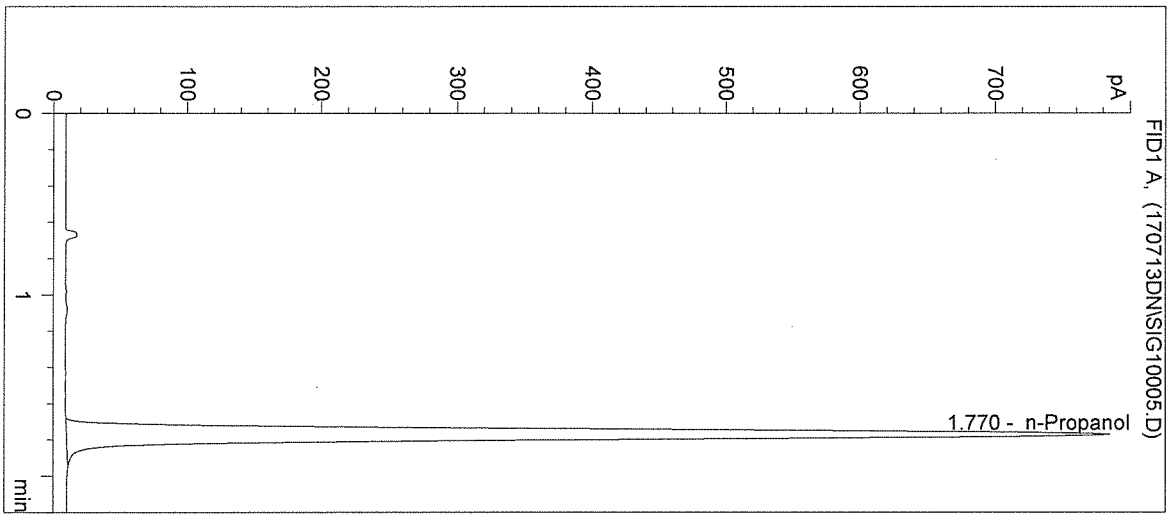
n-Propanol 0.012 g/100mL

DN

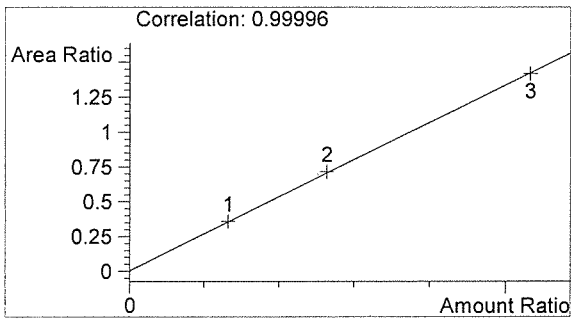
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/13/2017 3:32:06 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

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

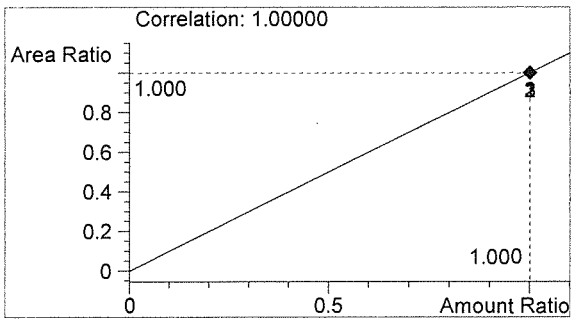


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2993	1.770



Ethanol 0.000 g/100mL

BN



n-Propanol 0.012 g/100mL

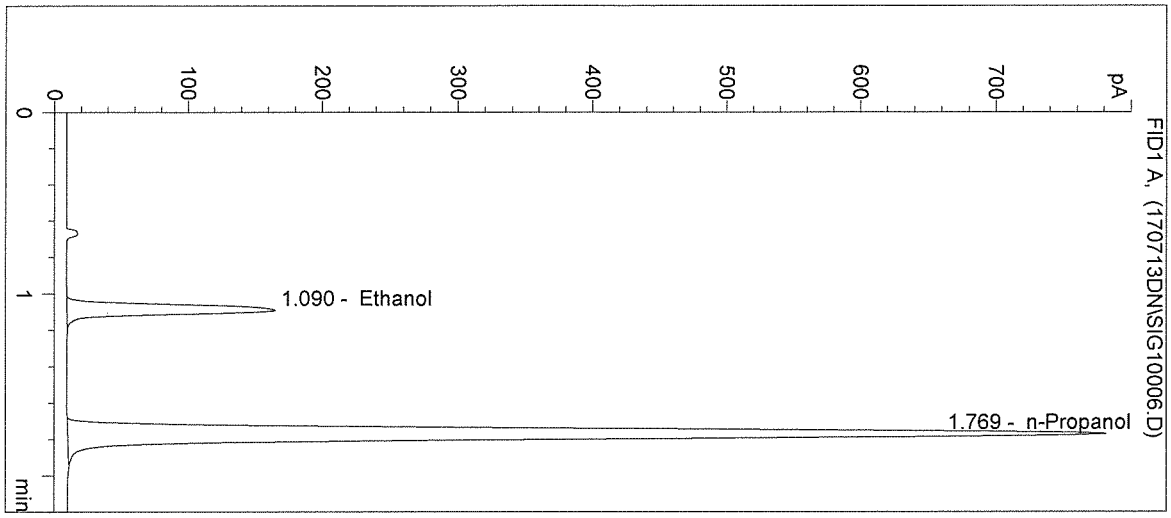
DN

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

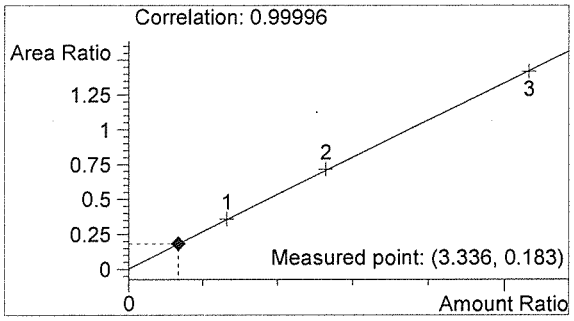
Inj. Date: 7/13/2017 3:35:20 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: CTRL 1: 0.04 g/100mL
17044

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

->

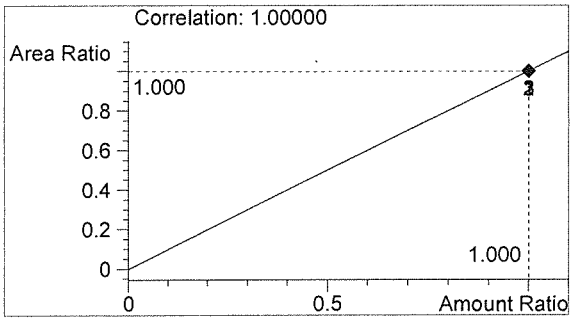


#	Compound	Peak Area	RT (min)
1	Ethanol	543	1.090
2	n-Propanol	2971	1.769



Ethanol 0.040 g/100mL

BN



n-Propanol 0.012 g/100mL

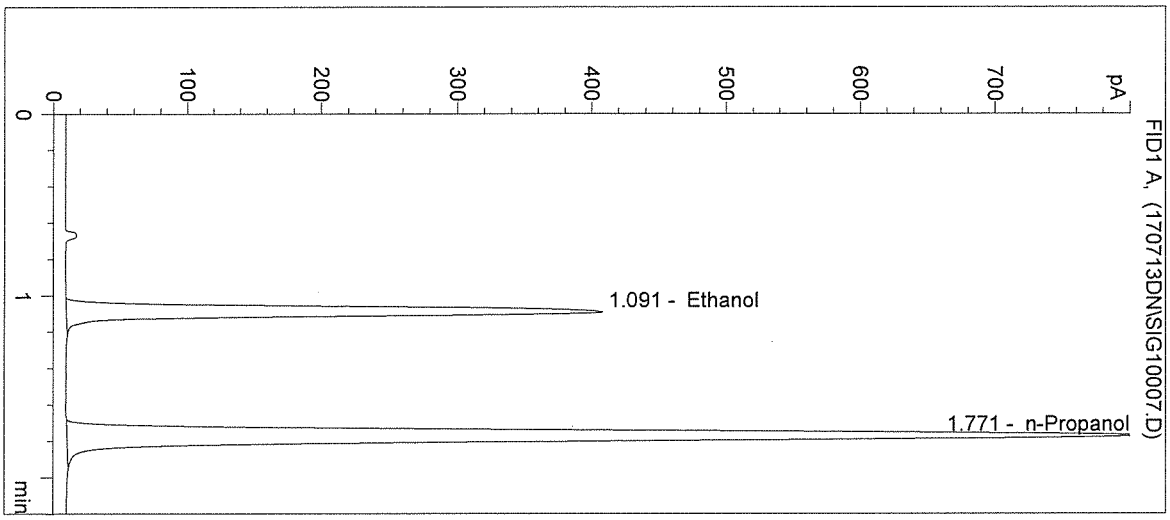
DN

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

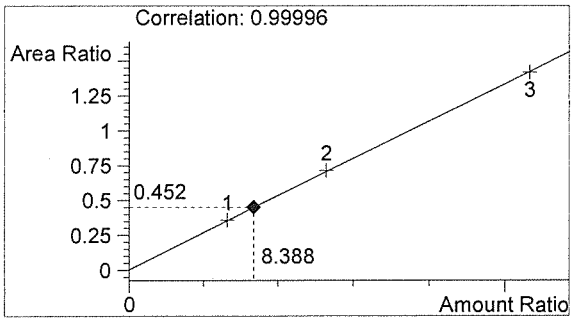
Inj. Date: 7/13/2017 3:38:33 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: CTRL 2: 0.10 g/100mL
17044

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

->

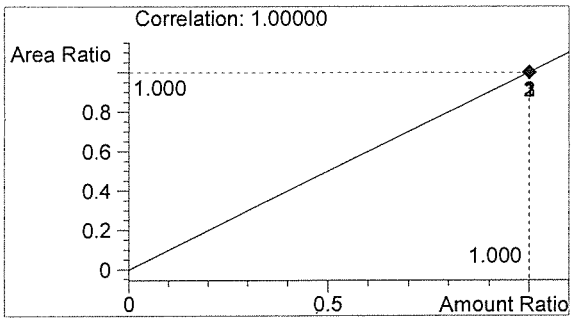


#	Compound	Peak Area	RT (min)
1	Ethanol	1399	1.091
2	n-Propanol	3097	1.771



Ethanol 0.101 g/100mL

BT



n-Propanol 0.012 g/100mL

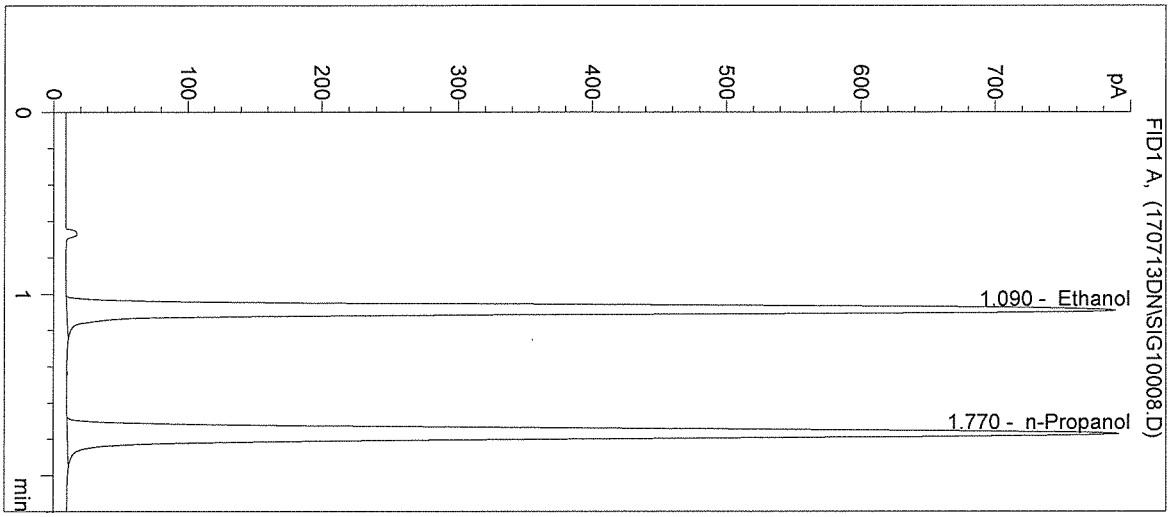
DN

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

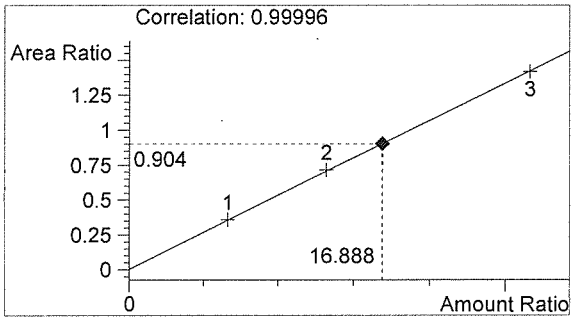
Inj. Date: 7/13/2017 3:41:47 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: CTRL 3: 0.20 g/100mL
17044

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

->

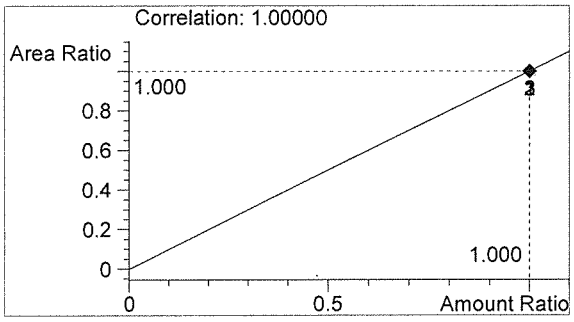


#	Compound	Peak Area	RT (min)
1	Ethanol	2717	1.090
2	n-Propanol	3005	1.770



Ethanol 0.203 g/100mL

BDT



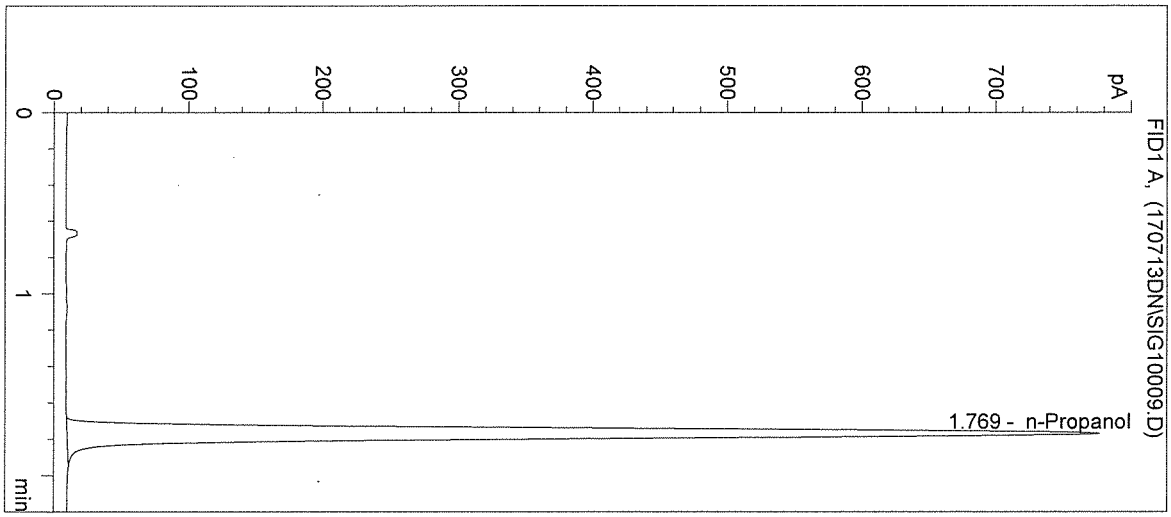
n-Propanol 0.012 g/100mL

DN

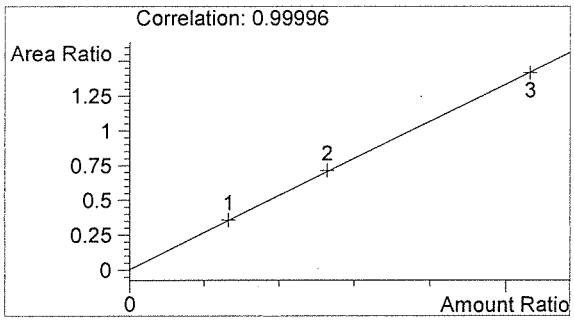
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/13/2017 3:45:00 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

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

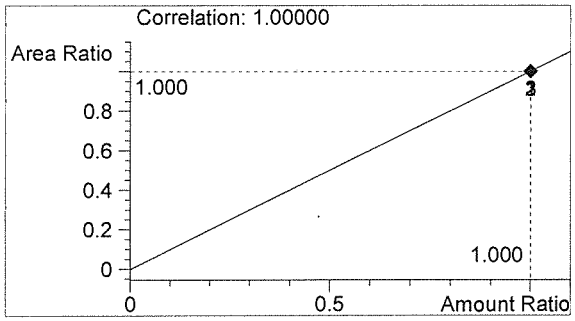


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2927	1.769



Ethanol 0.000 g/100mL

BT



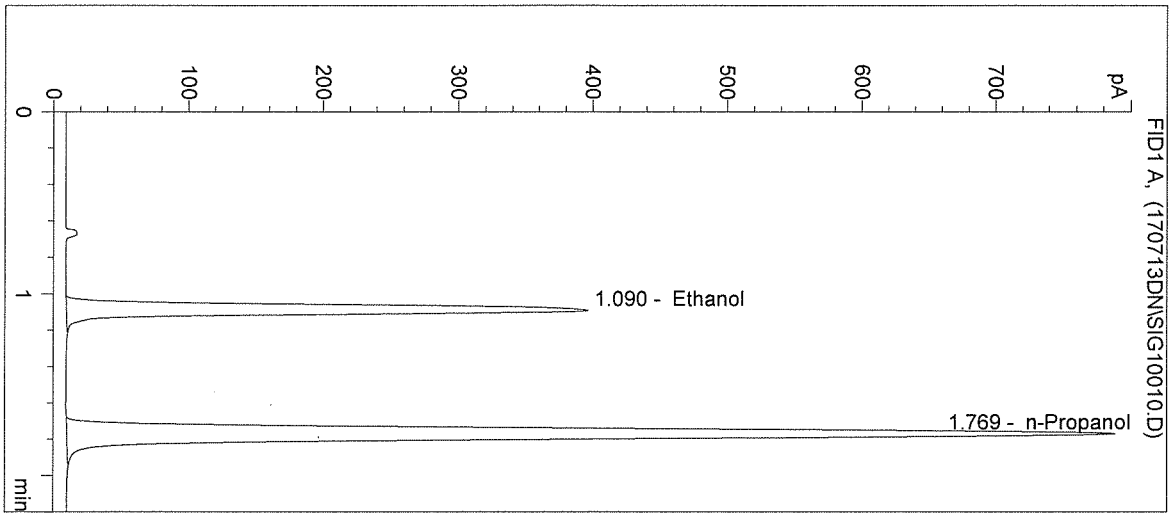
n-Propanol 0.012 g/100mL

DN

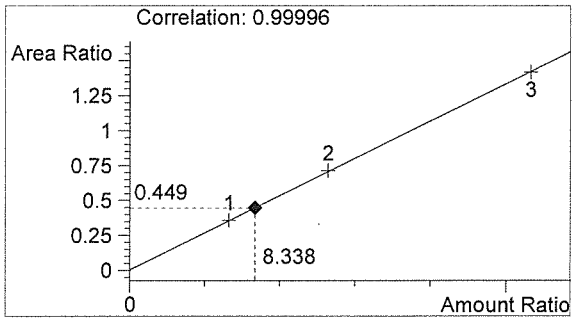
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/13/2017 3:48:13 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

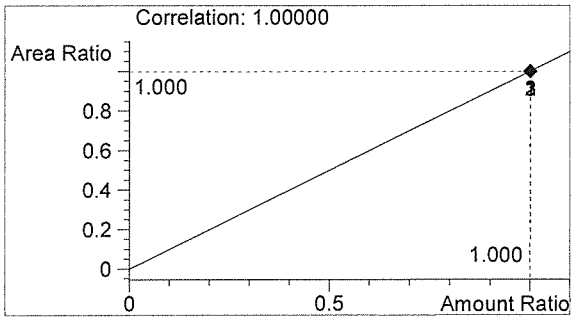
Sample Name: 17044 #1
Operator: David Nguyen
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	1342	1.090
2	n-Propanol	2989	1.769



Ethanol 0.100 g/100mL

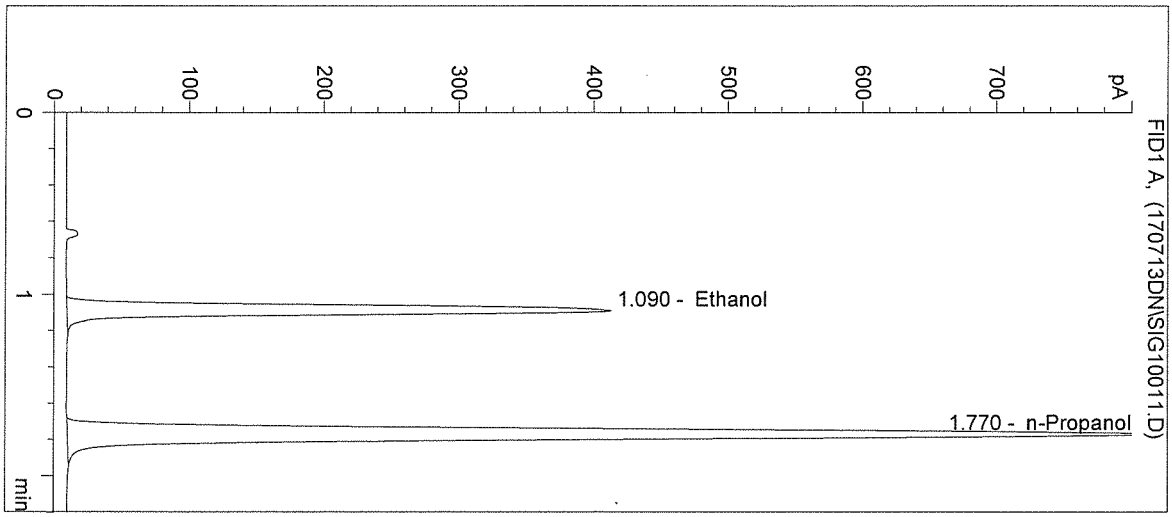


n-Propanol 0.012 g/100mL

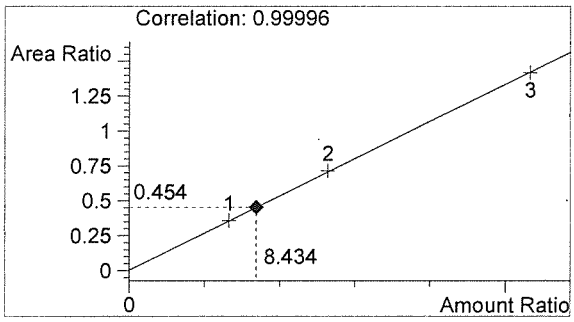
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/13/2017 3:51:25 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

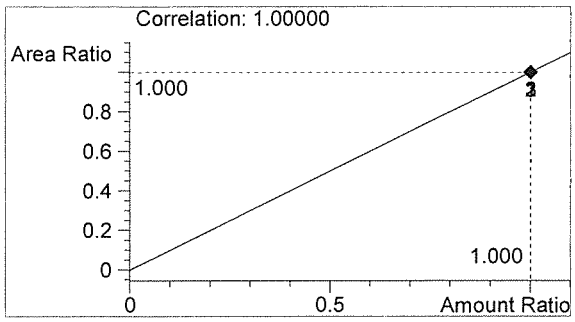
Sample Name: 17044 #2
Operator: David Nguyen
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	1405	1.090
2	n-Propanol	3094	1.770



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

DN

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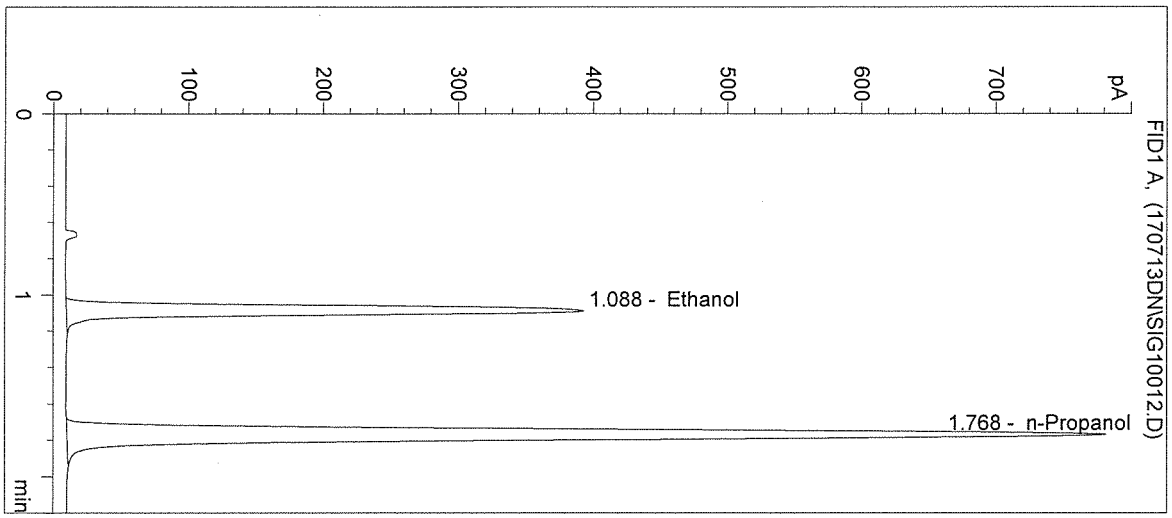
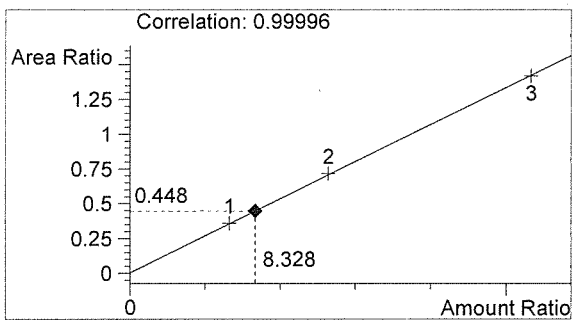
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/13/2017 3:54:38 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

Sample Name: 17044 #3
Operator: David Nguyen
Location: Vial 12

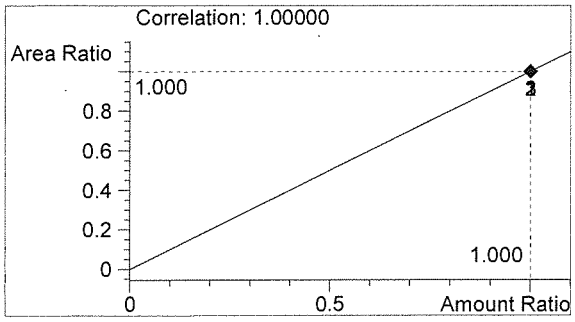


#	Compound	Peak Area	RT (min)
1	Ethanol	1322	1.088
2	n-Propanol	2947	1.768



Ethanol 0.100 g/100mL

BT



n-Propanol 0.012 g/100mL

DN

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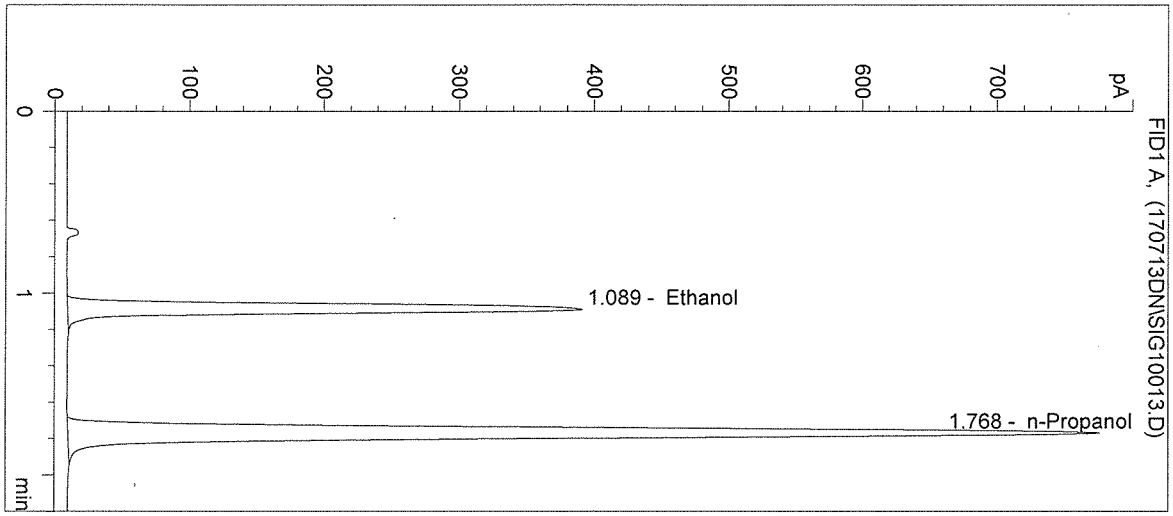
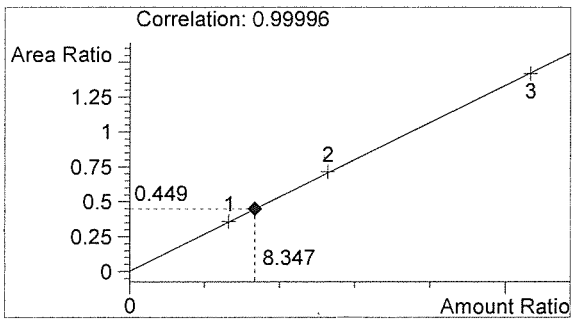
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/13/2017 3:57:51 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

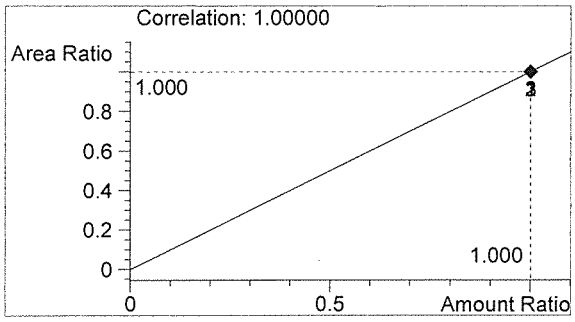
Sample Name: 17044 #4
Operator: David Nguyen
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	1313	1.089
2	n-Propanol	2920	1.768



Ethanol 0.100 g/100mL



n-Propanol 0.012 g/100mL

DN

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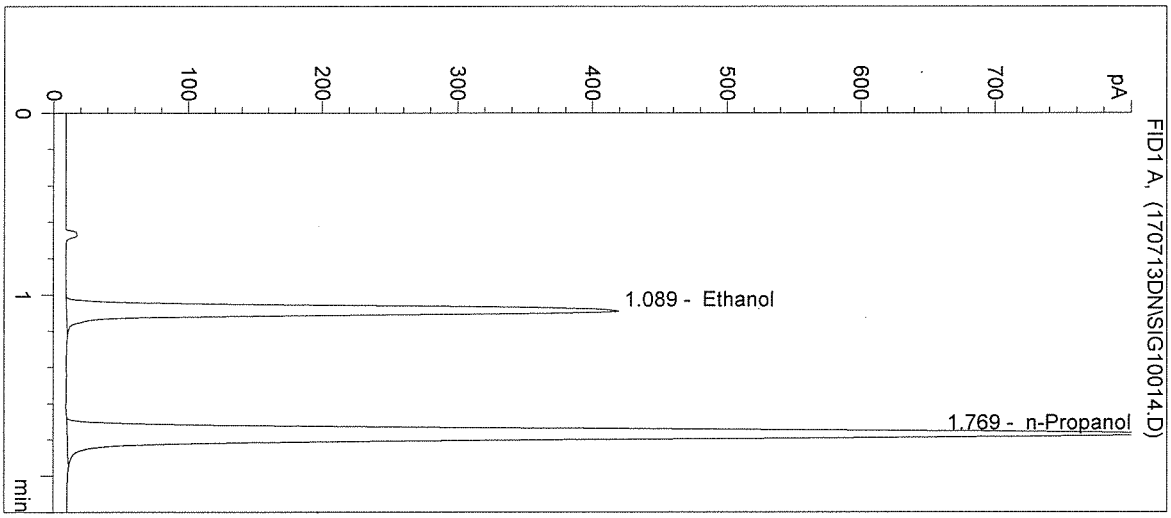
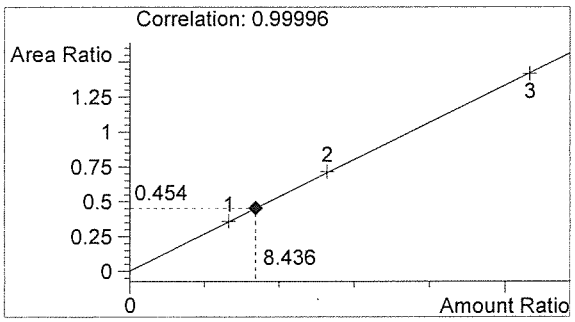
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/13/2017 4:01:05 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

Sample Name: 17044 #5
Operator: David Nguyen
Location: Vial 14

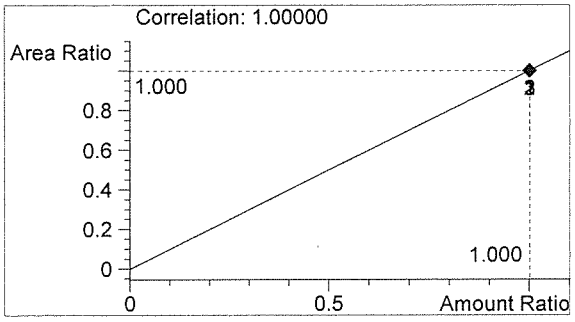


#	Compound	Peak Area	RT (min)
1	Ethanol	1423	1.089
2	n-Propanol	3133	1.769



Ethanol 0.101 g/100mL

BT



n-Propanol 0.012 g/100mL

DN

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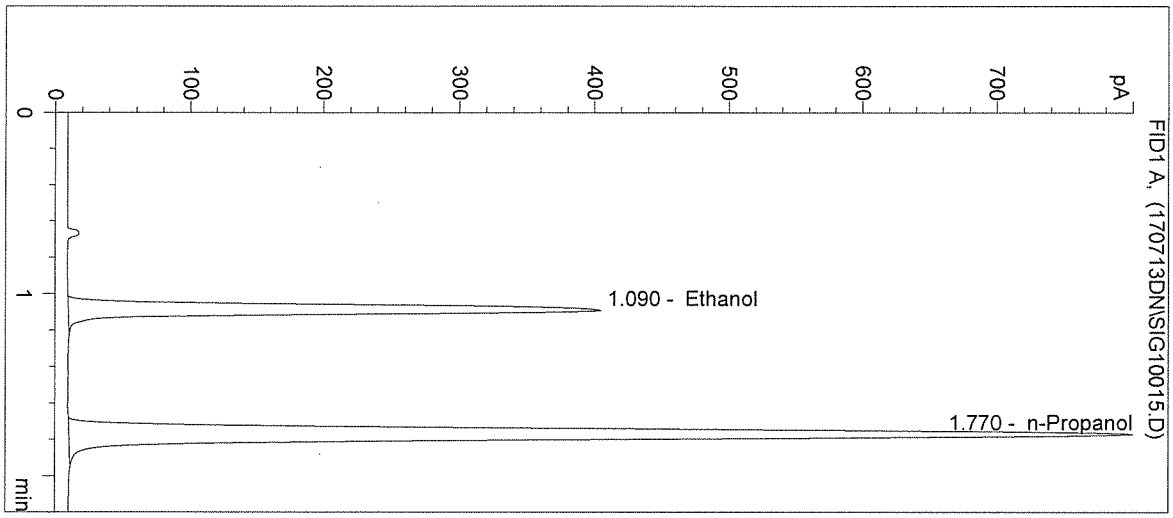
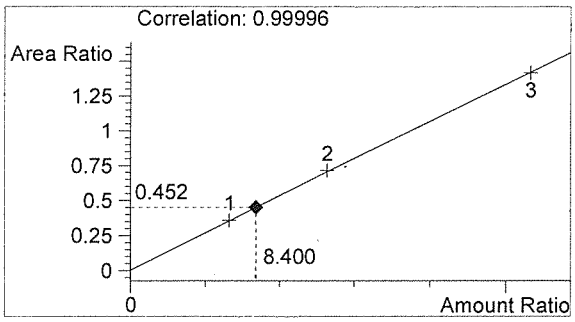
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/13/2017 4:04:18 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: POS Control: 0.10 g/100mL
17044

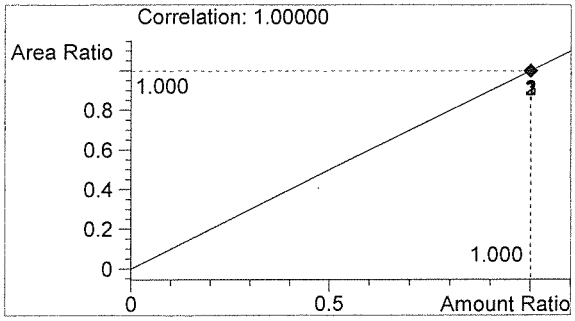
Sample Name: POS CTRL (0.10)
Operator: David Nguyen
Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	1375	1.090
2	n-Propanol	3039	1.770



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

DN

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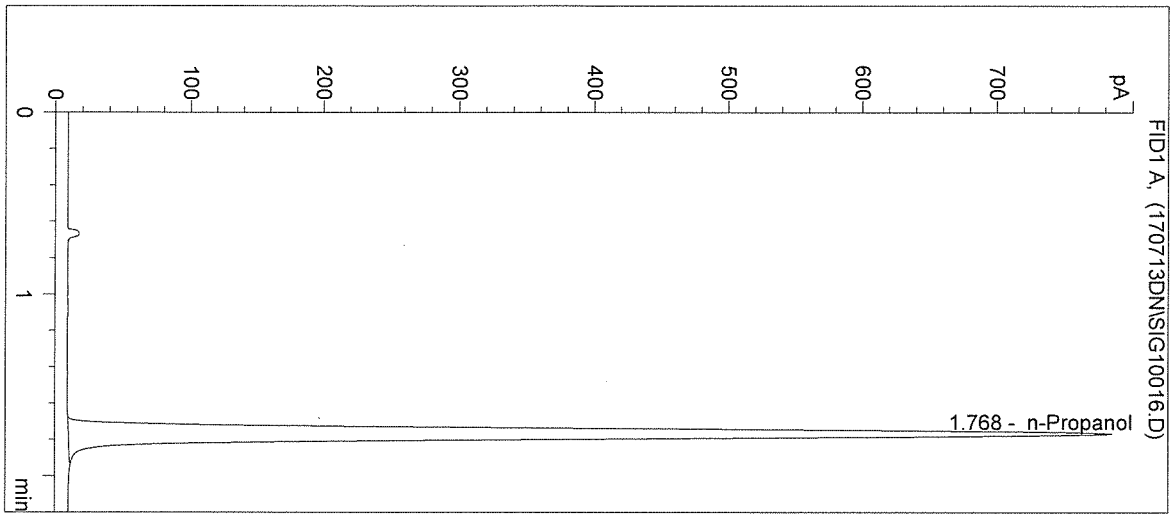
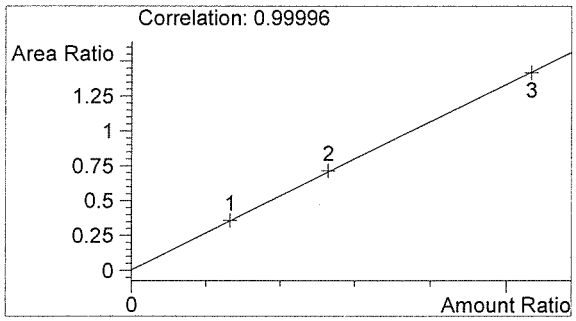
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/13/2017 4:07:32 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 17044

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

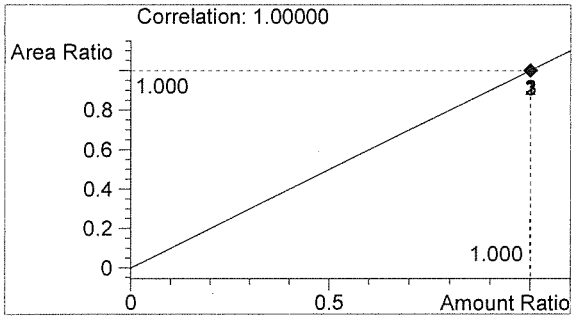


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2961	1.768



Ethanol 0.000 g/100mL

BT



n-Propanol 0.012 g/100mL

DN