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

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

QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 15040

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: 0.15 g/210L
DATE PREPARED: 09/21/2015
BATCH UNITS: g/100mL
IDENTITY: QAP Solution
PREPARED BY: Amanda Chandler

	AC	AG	EW
1	0.190	0.188	0.185
2	0.187	0.188	0.190
3	0.188	0.188	0.185
4	0.188	0.188	0.189
5	0.193	0.189	0.185
C	0.102	0.102	0.098

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

RESULTS OF TESTING
AVERAGE SOLUTION CONCENTRATION: 0.1881 g/100mL
STANDARD DEVIATION: 0.00212
PRECISION CV (%): 1.13
NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.1529 g/210L**
EXPANDED UNCERTAINTY: ± 0.0052 (k=2, 95.45% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

Lisa Noble Forensic Scientist Supervisor — 10/1/15 DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
AC	Amanda Chandler		09/21/2015
AG	Andrew Gingras		09/21/2015
EW	Elizabeth Wehner		09/25/2015

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

QAP Solution Batch #: 15040 **Date Prepared: 9/21/2015**

	AC	AG	EW
Analyst:	AC	AG	EW
Date Tested:	9/21/2015	9/21/2015	9/25/2015
Instrument:	HSGC #3	HSGC #3	HSGC #3
1	0.190	0.188	0.185
2	0.187	0.188	0.190
3	0.188	0.188	0.185
4	0.188	0.188	0.189
5	0.193	0.189	0.185
C	0.102	0.102	0.098

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000084730	0.0001754309	0.0001016326

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

Average Solution Concentration: 0.1881 g/100mL
Standard Deviation: 0.00212 g/100mL
Precision CV (%): 1.13
Equivalent Vapor Concentration: 0.1529 g/210L
Combined Standard Uncertainty (±): 0.0026 g/210L
Expanded Uncertainty (±): 0.0052 coverage factor (k) =2 (95.45% level of confidence)

Calculations performed by: Lisa Noble (Name) Lisa Noble (Signature) 9/27/15 (Date)

Calculations verified by: Amanda H. Black (Name) (Signature) 10-1-15 (Date)

Method: Hand calculation

Tech. review performed by: Lisa Noble (Name) Lisa Noble (Signature) 9/27/15 (Date)

Washington State Patrol Toxicology Laboratory Division

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda M. Black **Date:** 10-1-15

Location: WSP- FLSB Seattle, WA **Solution Batch Number:** 15040

	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:  **Date:** 10-1-15

Washington State Patrol Toxicology Laboratory Division

SOLUTION CERTIFICATE REVIEW

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

Please initial and date below to affirm that you have:

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

	Initials	Date
Amanda Chandler	AC	9/28/15
Andrew Gingras	AG	9/30/15
Asa Louis	AL 9/30/15	
Brittany Thomas		
Christie Mitchell-Mata		
Christopher Johnston		
David Nguyen		
Dawn Sklerov		
Elizabeth Wehner	EW	09/28/15
Justin Knoy		
Katie Harris		
Lyndsey Lowe		
Naziha Nuwayhid		
Rebecca Flaherty		

Batch # 15040 RN 9/27/15

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 98134-2927 • (206) 262-6100 • FAX (206) 262-6145

0.15 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION CERTIFICATION FOR LOT 15040

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

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

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

The quality assurance procedure (QAP) solution, Lot Number 15040, was prepared in the Washington State Toxicology Laboratory on 9/21/2015. I tested this solution and it was found to conform to those standards established by the State Toxicologist for the certification of simulator solution. It shall not be used to perform a quality assurance procedure after 9/21/2016.

Seattle, WA

Amanda Chandler 9/28/15

Amanda Chandler Date

Forensic Scientist

JAY INSLEE
Governor

JOHN R. BATISTE
Chief

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WASHINGTON STATE PATROL
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0.15 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION CERTIFICATION FOR LOT 15040

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 quality assurance procedure (QAP) solution, Lot Number 15040, was prepared in the Washington State Toxicology Laboratory on 9/21/2015. I tested this solution and it was found to conform to those standards established by the State Toxicologist for the certification of simulator solution. It shall not be used to perform a quality assurance procedure after 9/21/2016.

Seattle, WA

9/30/15

Andrew Gingras — Date

Forensic Scientist

JAY INSLEE
Governor

JOHN R. BATISTE
Chief

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

0.15 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION CERTIFICATION FOR LOT 15040

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

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

I possess the following qualifications: BS degree in Biochemistry.

The quality assurance procedure (QAP) solution, Lot Number 15040, was prepared in the Washington State Toxicology Laboratory on 9/21/2015. I tested this solution and it was found to conform to those standards established by the State Toxicologist for the certification of simulator solution. It shall not be used to perform a quality assurance procedure after 9/21/2016.

Seattle, WA

Elizabeth Wehner 09/28/15

Elizabeth Wehner 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: 9/21/15 Expiration Date: 9/21/14 Initials of Preparer: AC

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

Date the 200-proof Ethanol bottle was opened: 9/10/15

After opening, each bottle of 200-proof Ethanol is approved for use for 6 months unless an extension is approved by the State Toxicologist. This timeframe applies to the 200-proof Ethanol only, not to simulator solutions which have a 1 year expiration.

Environmental conditions verified as acceptable: ☑

Simulator Solution	Volume of Ethanol (mL)	Volume of Deionized Water (L)		Batch Number
QAP 0.04	11.2	18	☐	
QAP 0.08	22.4	18	☐	
QAP 0.10	28.1	18	☐	
QAP 0.15	42.1	18	☑	15040
QAP 0.20	56.1	18	☐	
ESS	66.5	52	☐	

Stir bar is rotating ☑

Stirred for minimum 30 minutes; 2 hours for ESS ☑

Spigot purged ☑

Aliquot taken ☑

Batch labeled, packaged and sealed ☑ 9/21/15 Date

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

Comments:

Amanda Chandler
Analyst Signature

9/21/15
Date

Sequence: C:\HPCHEM\2\SEQUENCE\ACQAPB3.S

Sequence Parameters:

Operator:	Amanda Chandler
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\2\DATA\
Data Subdirectory:	150921AC
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E0615-01 - Exp. 12/2/2015
Ethanol Calibrator 2, E0615-02 - Exp. 12/2/2015
Ethanol Calibrator 3, E0615-03 - Exp. 12/2/2015
CTRL1 (0.04g/100mL), Lot # FN05011301 - Exp. 05/2018
CTRL2 (0.10g/100mL), Lot # FN08051301 - Exp. 10/2018
CTRL3 (0.20g/100mL), Lot # FN03211401 - Exp. 06/2019
Internal Standard Lot#P0715 - Exp. 10/27/15

Calibration vials 1-9 filed with 15040.

15040
9/27/15

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC3	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC3	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC3	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC3	1	Calib		
5	Vial 5	NEG CTRL	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 CTRL	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 CTRL	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 CTRL	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC3	1	Ctrl Samp		
10	Vial 10	15040 #1	SIMALC3	1	Sample		
11	Vial 11	15040 #2	SIMALC3	1	Sample		
12	Vial 12	15040 #3	SIMALC3	1	Sample		
13	Vial 13	15040 #4	SIMALC3	1	Sample		
14	Vial 14	15040 #5	SIMALC3	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC3	1	Ctrl Samp		

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

15040

fm 9/27/15

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

Calibration Table

Calib. Data Modified : Monday, September 21, 2015 10:02:43 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
1.022	1	1	7.97800e-2	606.58234	1.31524e-4	1		Ethanol
		2	1.60980e-1	1179.31445	1.36503e-4			
		3	3.18440e-1	2301.83057	1.38342e-4			
1.748	1	1	1.20000e-2	1722.37256	6.96713e-6	I1		n-Propanol
		2	1.20000e-2	1700.33423	7.05744e-6			
		3	1.20000e-2	1686.06238	7.11717e-6			

15040

fmg 9/27/15

Peak Sum Table

No Entries in table

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Calibration Curves

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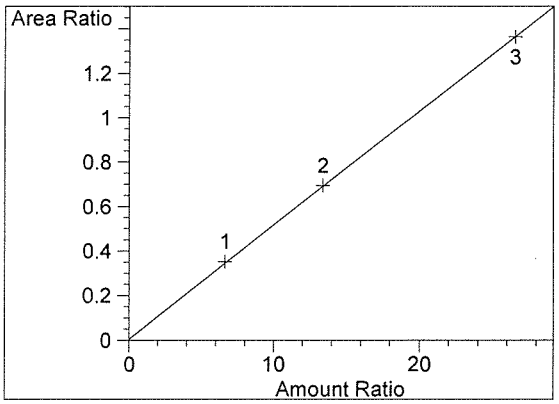
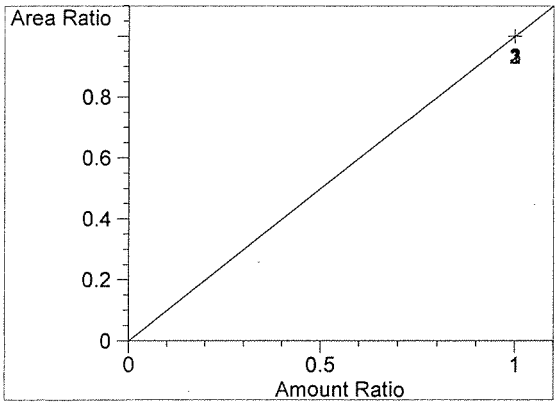


Ethanol at exp. RT: 1.022
FID1 A,
Correlation: 0.99997
Residual Std. Dev.: 0.00563
Formula: y = mx + b
m: 5.13302e-2
b: 4.74454e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.748
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

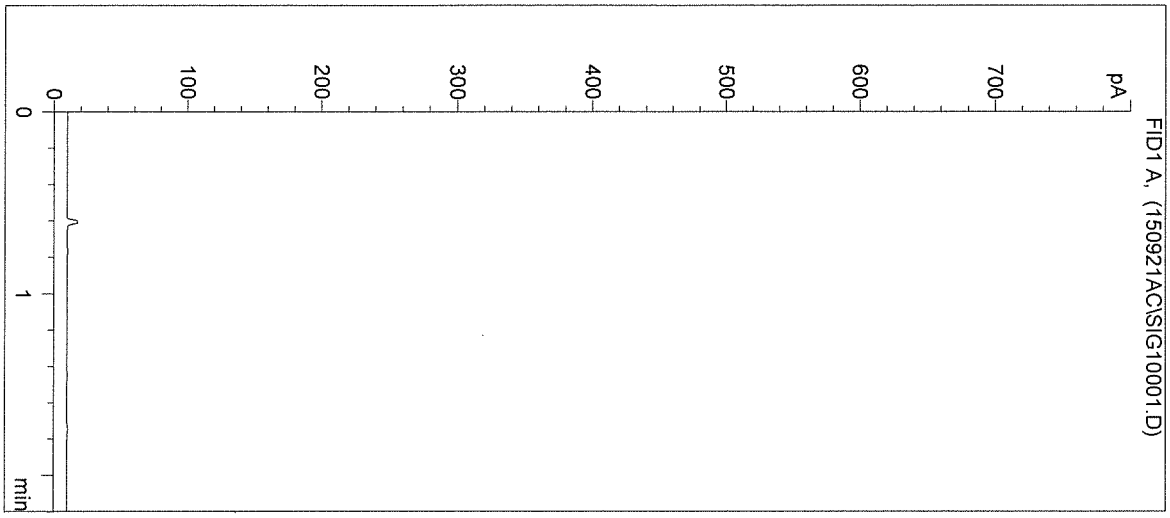
==========

15040
9/21/15

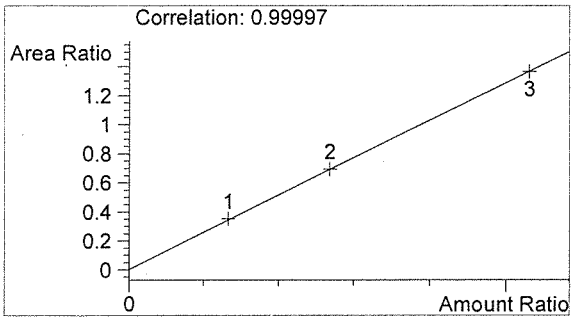
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/21/2015 9:50:38 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 15040

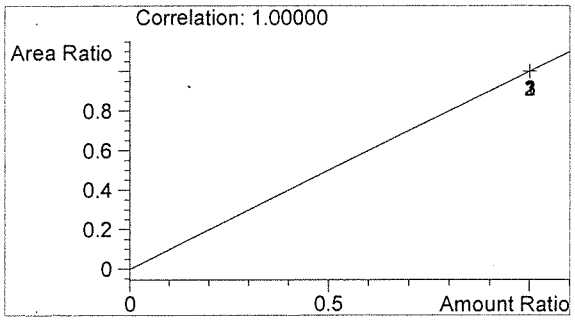
Sample Name: BLANK
Operator: Amanda Chandler
Location: Vial 1



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



Ethanol 0.000 g/100mL

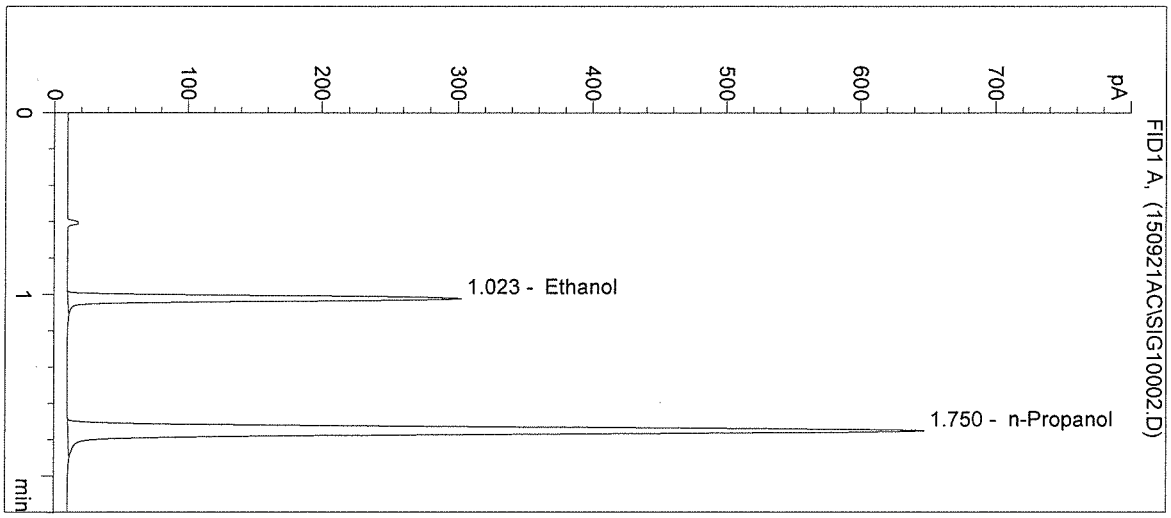


n-Propanol 0.000 g/100mL

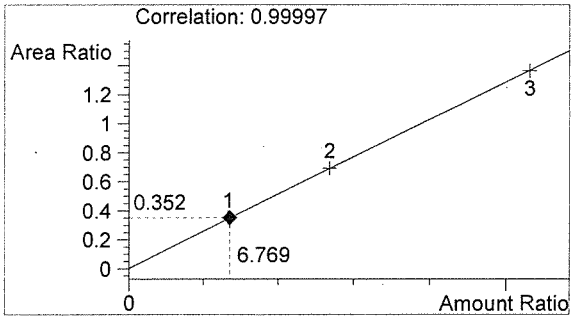
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/21/2015 9:53:56 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 15040

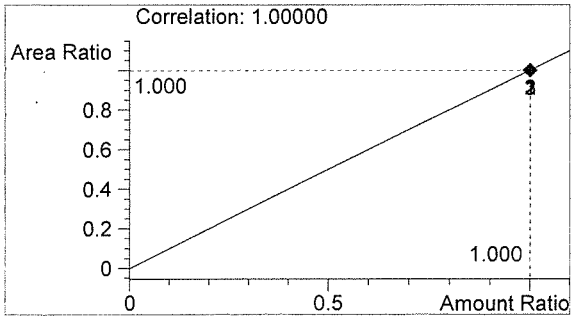
Sample Name: 0.079 CAL 1
Operator: Amanda Chandler
Location: Vial 2



#	Compound	Peak Area	RT (min)
1	Ethanol	607	1.023
2	n-Propanol	1722	1.750



Ethanol 0.081 g/100mL

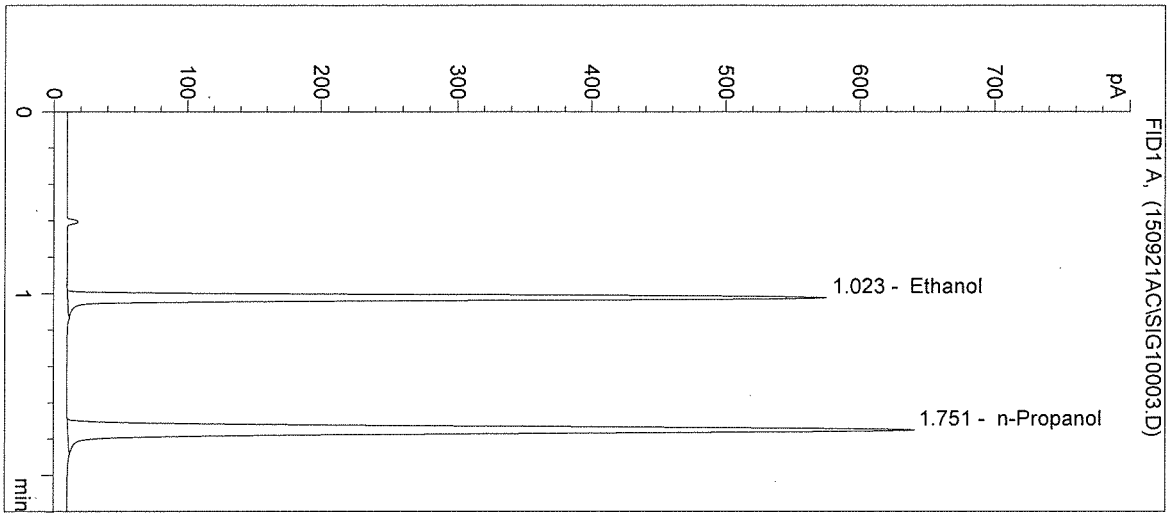


n-Propanol 0.012 g/100mL

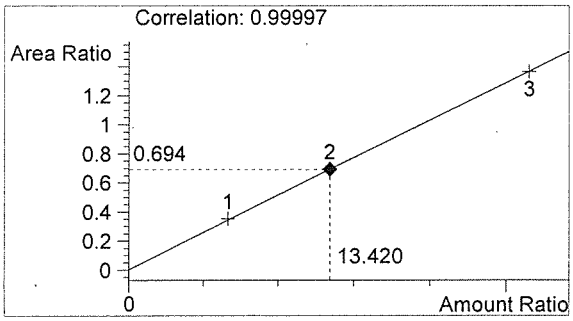
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/21/2015 9:57:13 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 15040

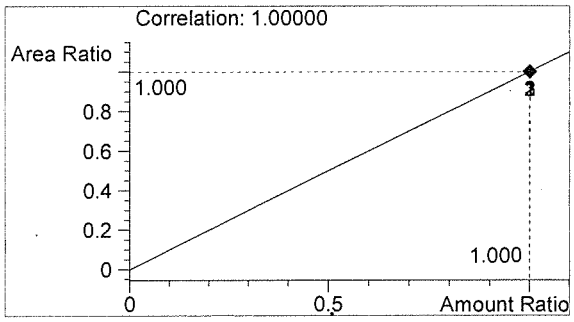
Sample Name: 0.158 CAL 2
Operator: Amanda Chandler
Location: Vial 3



#	Compound	Peak Area	RT (min)
1	Ethanol	1179	1.023
2	n-Propanol	1700	1.751



Ethanol 0.161 g/100mL



n-Propanol 0.012 g/100mL

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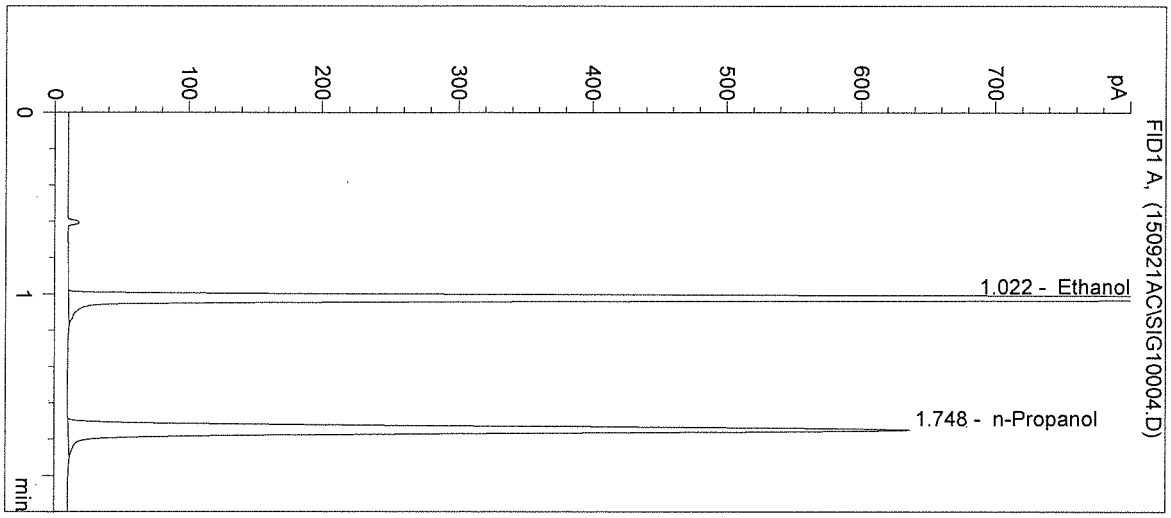
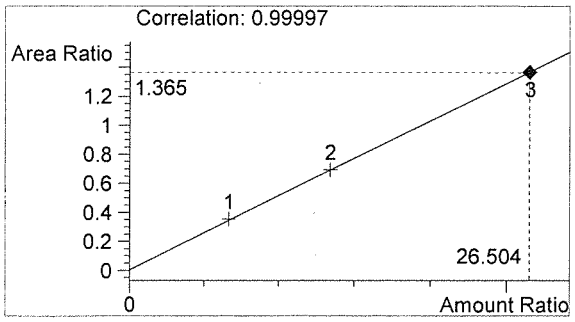
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/21/2015 10:00:30 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 15040

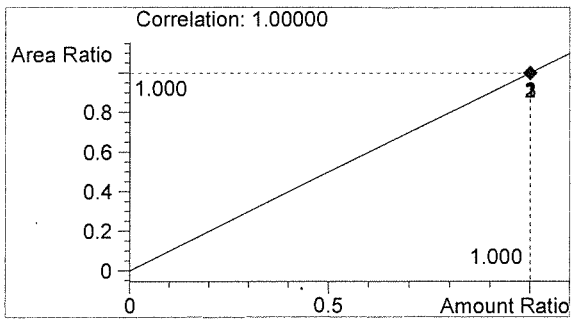
Sample Name: 0.316 CAL 3
Operator: Amanda Chandler
Location: Vial 4



#	Compound	Peak Area	RT (min)
1	Ethanol	2302	1.022
2	n-Propanol	1686	1.748



Ethanol 0.318 g/100mL

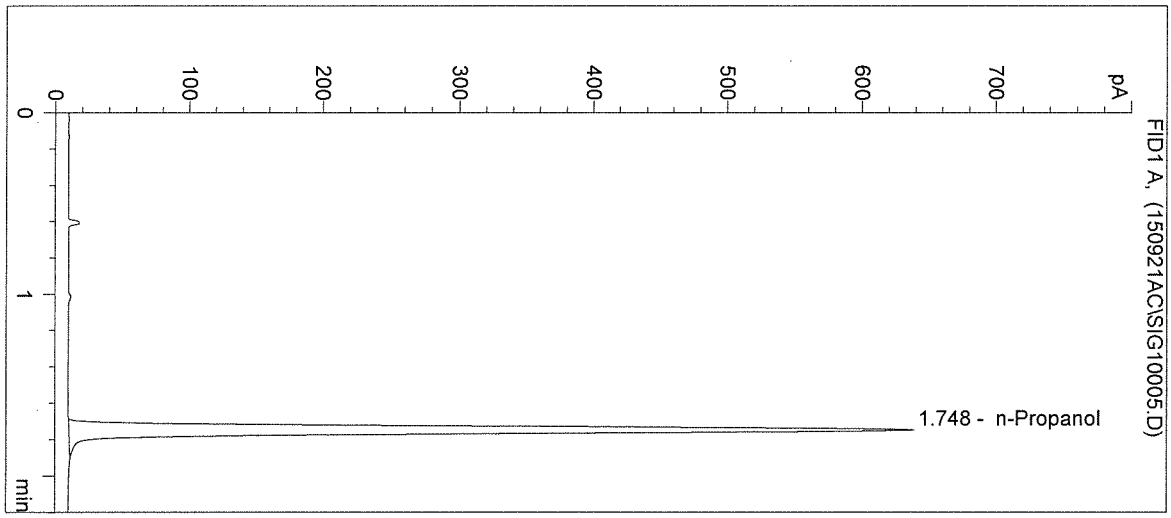


n-Propanol 0.012 g/100mL

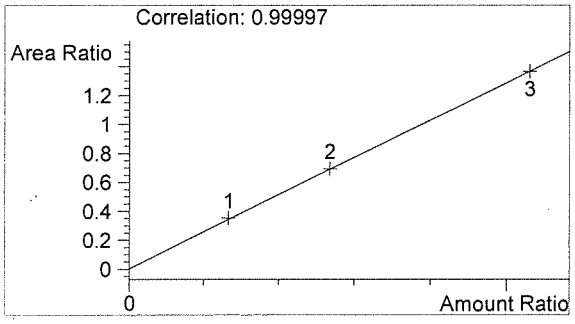
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/21/2015 10:03:43 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 15040

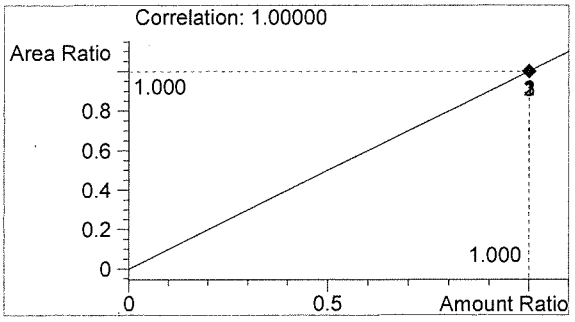
Sample Name: NEG CTRL
Operator: Amanda Chandler
Location: Vial 5



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1696	1.748



Ethanol 0.000 g/100mL

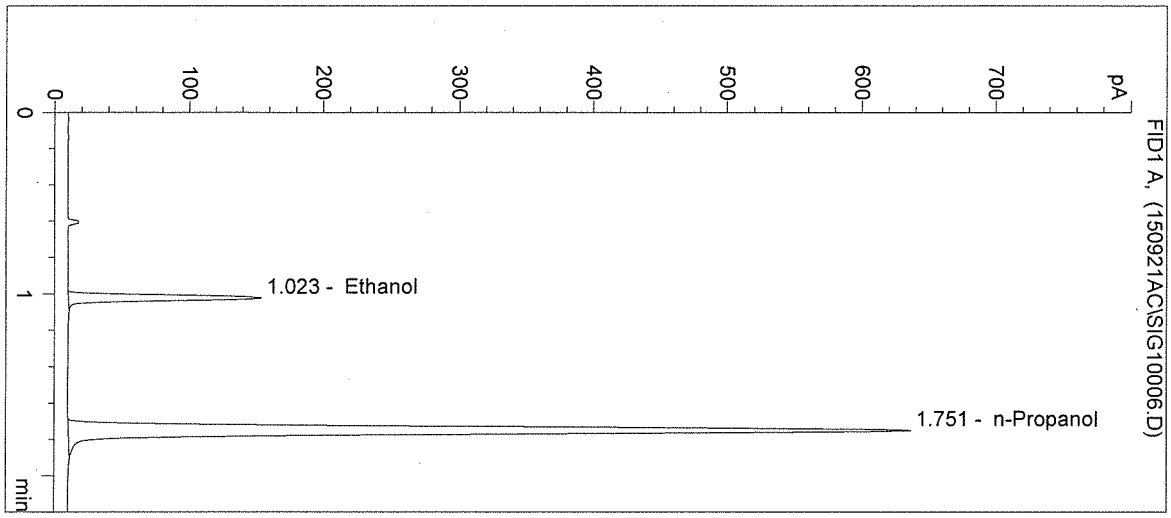


n-Propanol 0.012 g/100mL

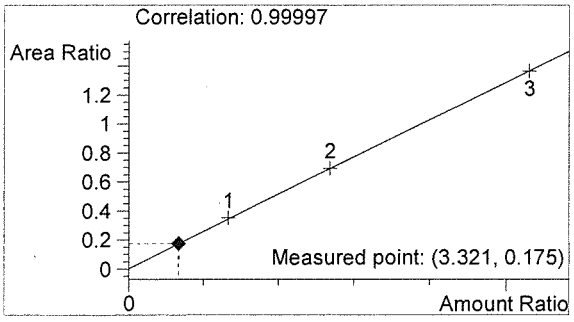
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/21/2015 10:06:57 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 15040

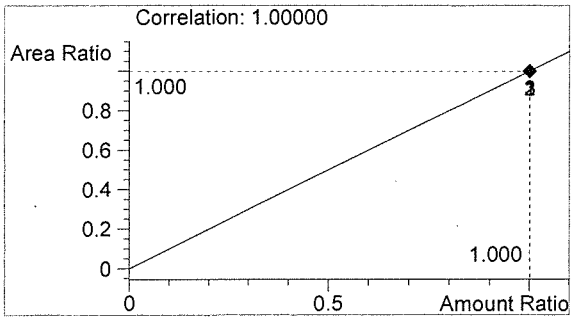
Sample Name: 0.04 CTRL
Operator: Amanda Chandler
Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	298	1.023
2	n-Propanol	1699	1.751



Ethanol 0.040 g/100mL

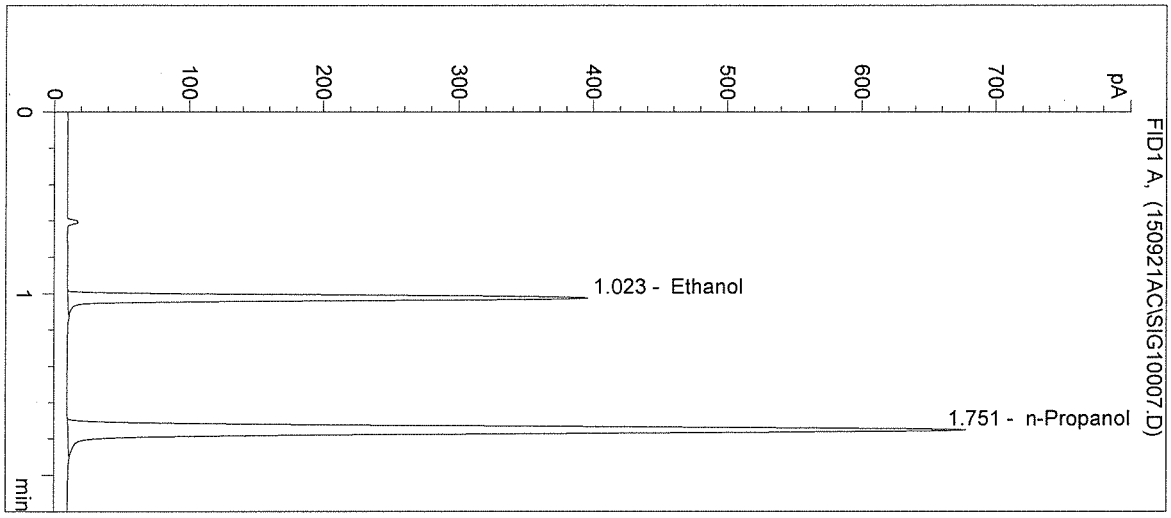


n-Propanol 0.012 g/100mL

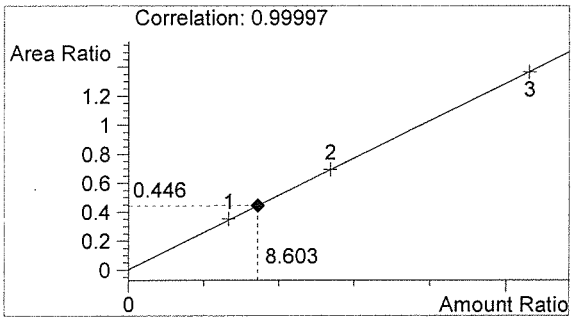
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/21/2015 10:10:10 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 15040

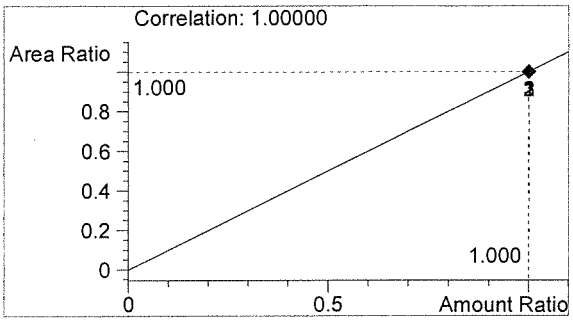
Sample Name: 0.10 CTRL
Operator: Amanda Chandler
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	807	1.023
2	n-Propanol	1807	1.751



Ethanol 0.103 g/100mL

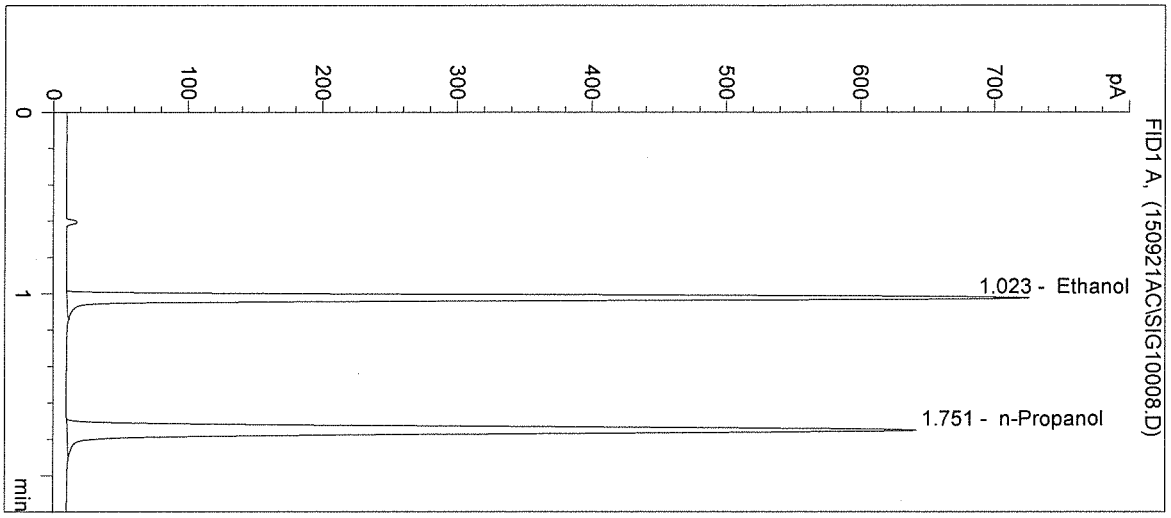


n-Propanol 0.012 g/100mL

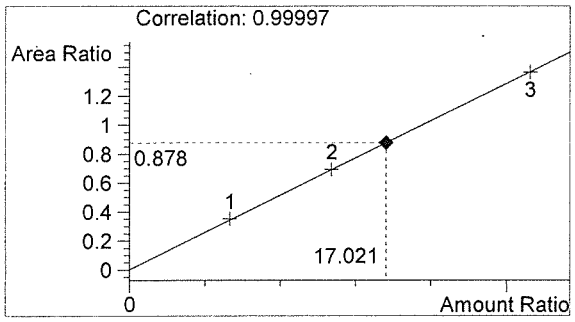
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/21/2015 10:13:23 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 15040

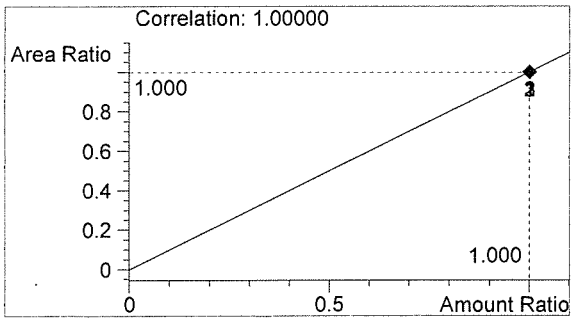
Sample Name: 0.20 CTRL
Operator: Amanda Chandler
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	1501	1.023
2	n-Propanol	1709	1.751



Ethanol 0.204 g/100mL

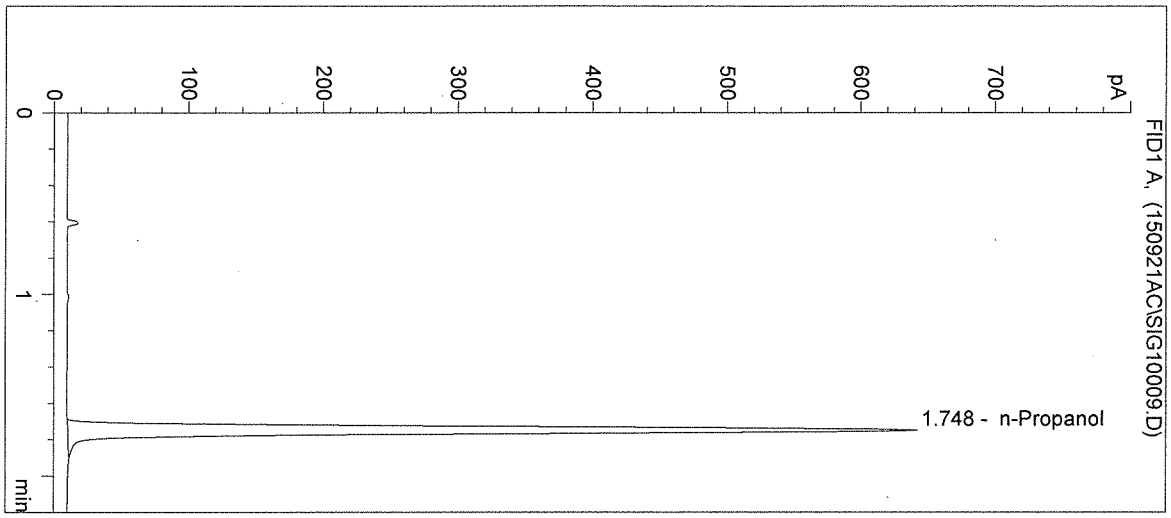


n-Propanol 0.012 g/100mL

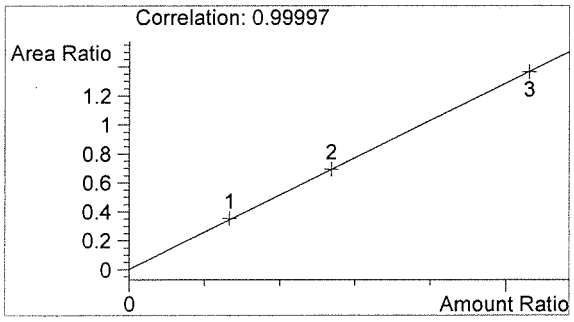
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/21/2015 10:16:37 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 15040

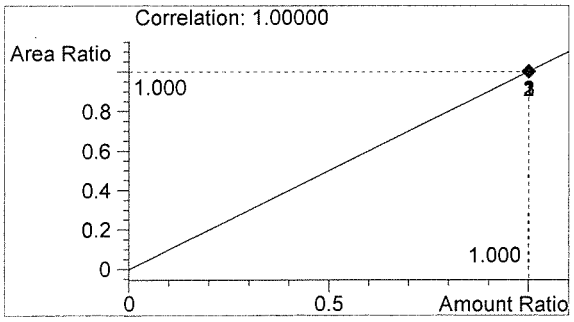
Sample Name: NEG CTRL
Operator: Amanda Chandler
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1704	1.748



Ethanol 0.000 g/100mL

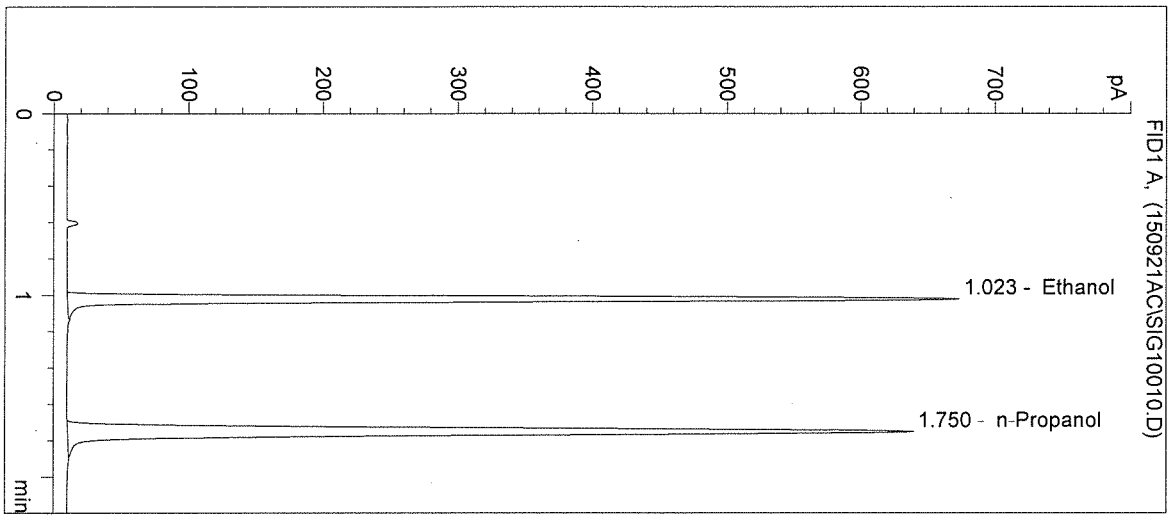


n-Propanol 0.012 g/100mL

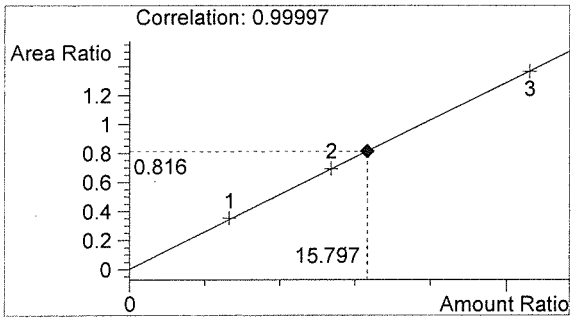
Data File: C:\HPCHEM\2\DATA\150921AC\SIG10009.D

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

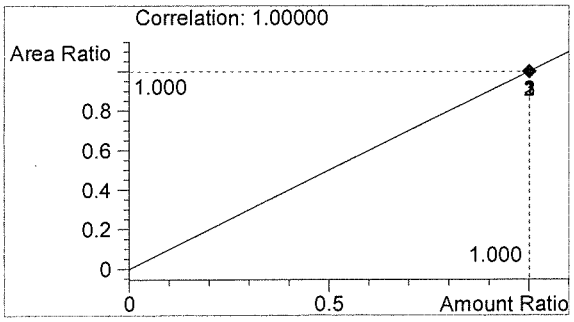
Inj. Date: 9/21/2015 10:19:50 AM Sample Name: 15040 #1
Instrument: HSGC#3 Operator: Amanda Chandler
Column: DB-ALC2 Location: Vial 10
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1392	1.023
2	n-Propanol	1707	1.750



Ethanol 0.190 g/100mL

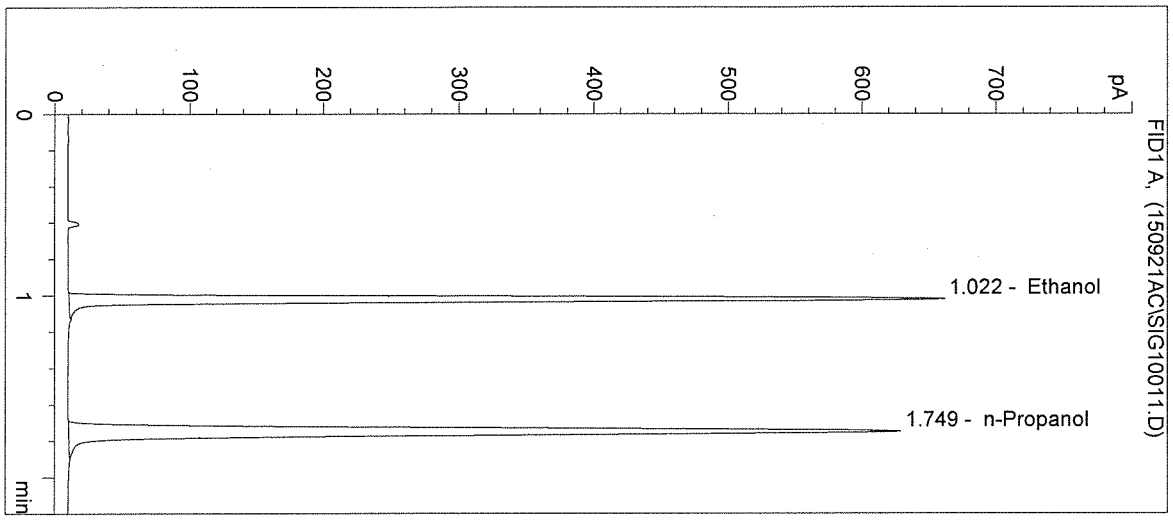


n-Propanol 0.012 g/100mL

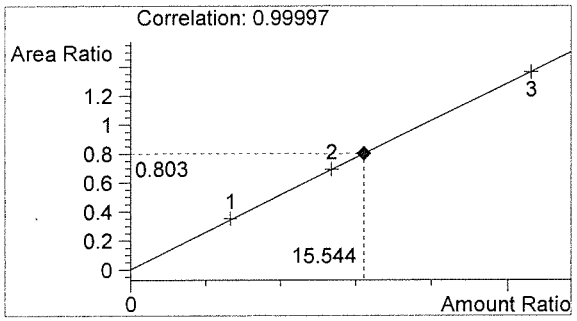
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/21/2015 10:23:03 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

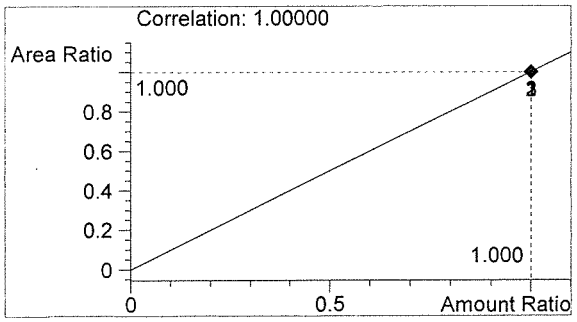
Sample Name: 15040 #2
Operator: Amanda Chandler
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	1338	1.022
2	n-Propanol	1668	1.749



Ethanol 0.187 g/100mL

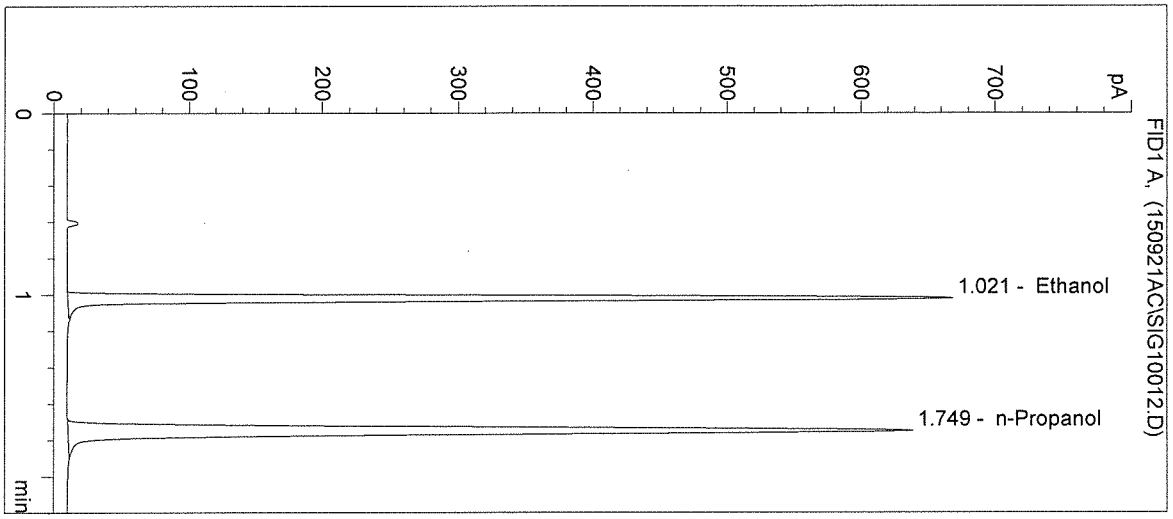


n-Propanol 0.012 g/100mL

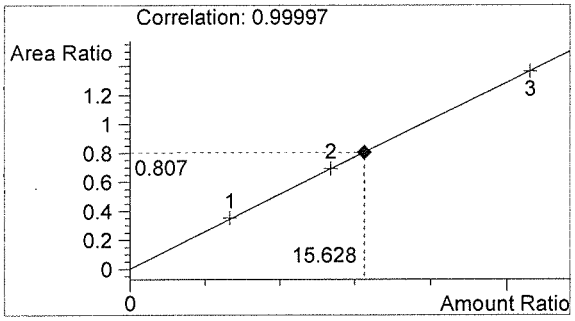
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/21/2015 10:26:17 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

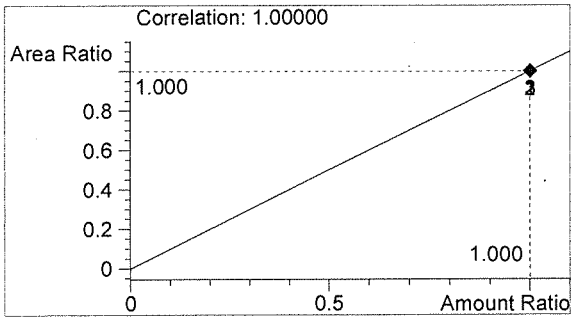
Sample Name: 15040 #3
Operator: Amanda Chandler
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	1374	1.021
2	n-Propanol	1703	1.749



Ethanol 0.188 g/100mL

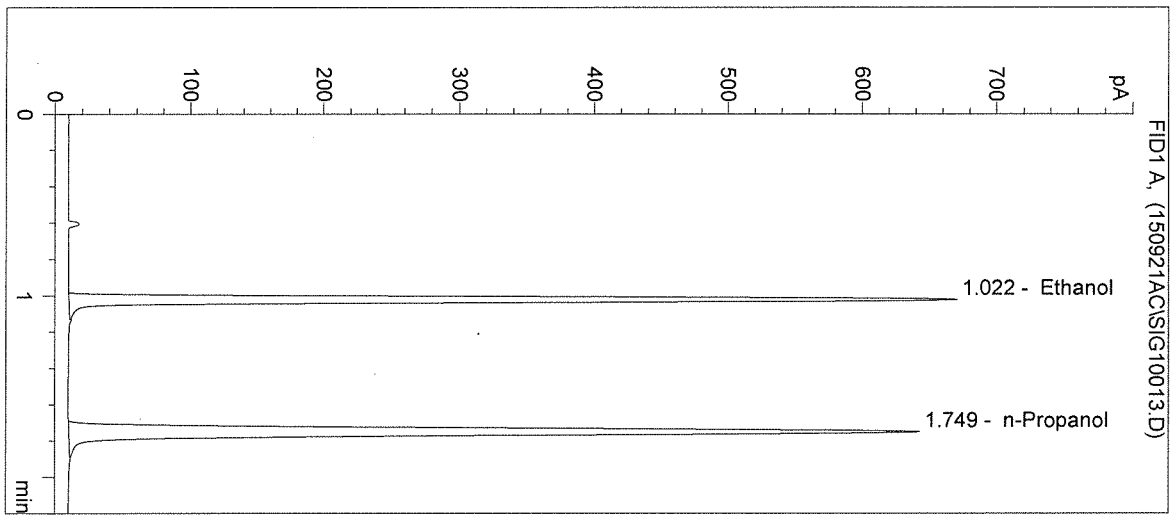


n-Propanol 0.012 g/100mL

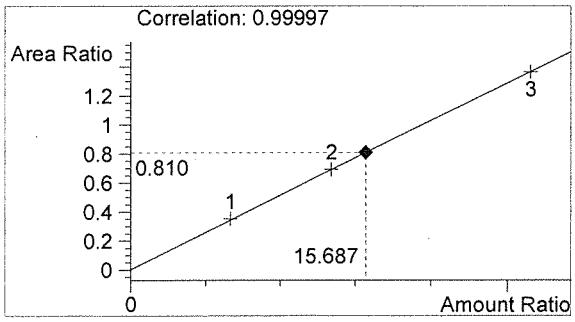
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/21/2015 10:29:30 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

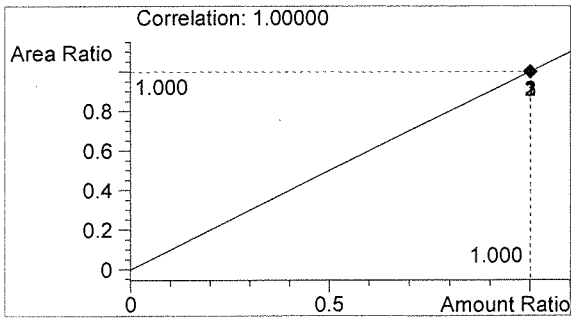
Sample Name: 15040 #4
Operator: Amanda Chandler
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	1391	1.022
2	n-Propanol	1718	1.749



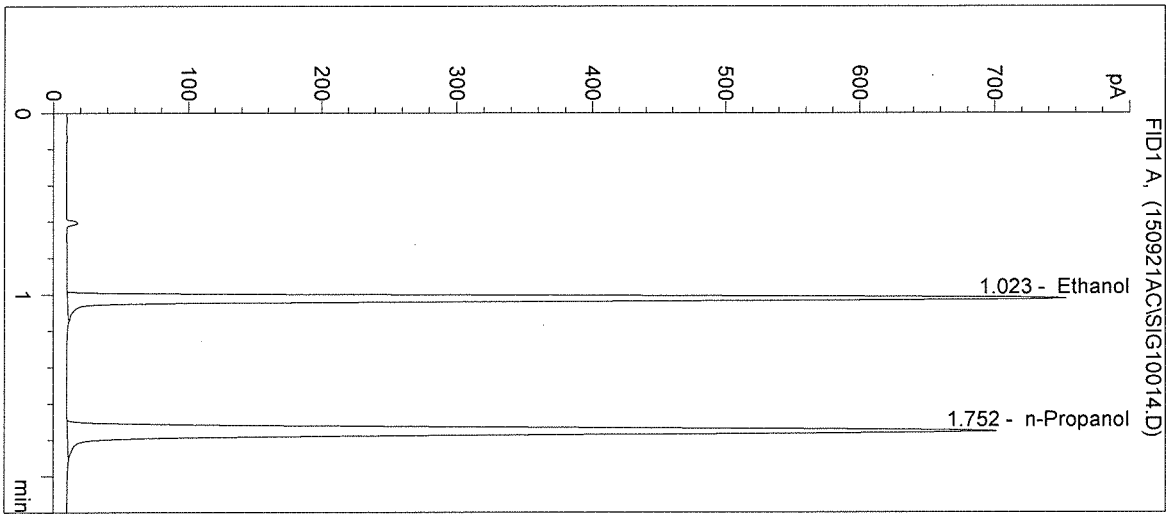
Ethanol 0.188 g/100mL



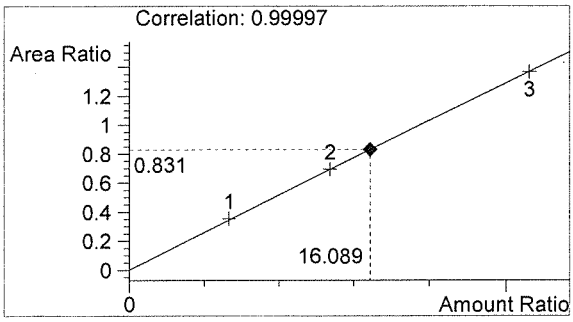
n-Propanol 0.012 g/100mL

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

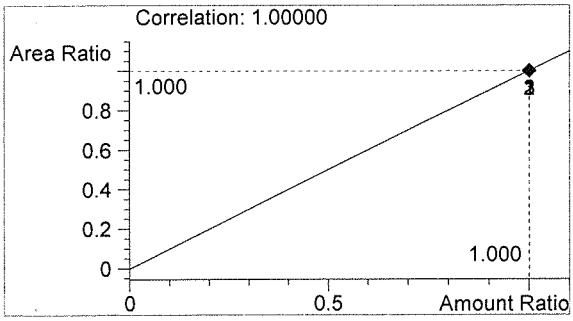
Inj. Date: 9/21/2015 10:32:43 AM Sample Name: 15040 #5
Instrument: HSGC#3 Operator: Amanda Chandler
Column: DB-ALC2 Location: Vial 14
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	1559	1.023
2	n-Propanol	1877	1.752



Ethanol 0.193 g/100mL

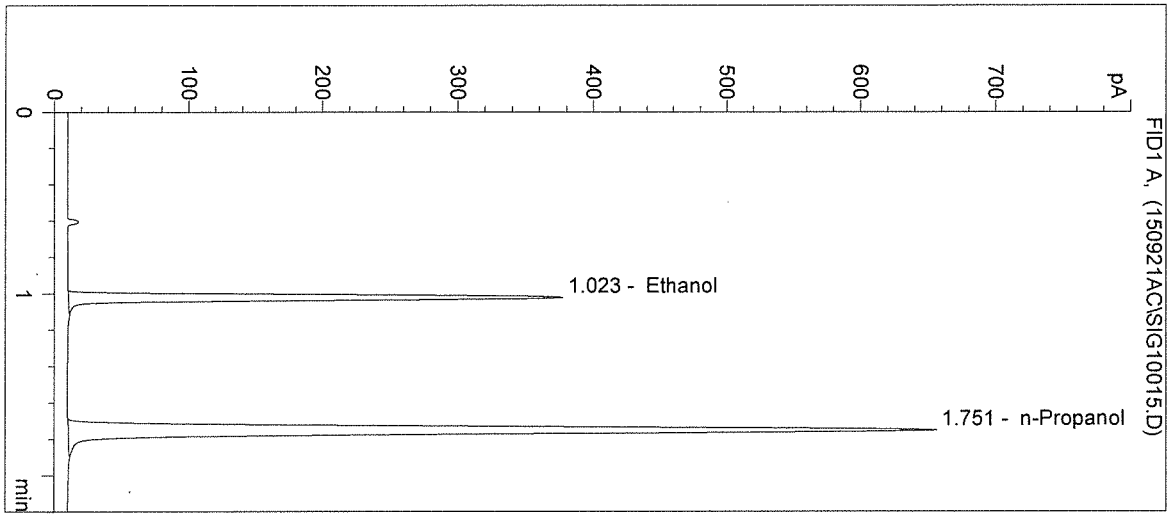


n-Propanol 0.012 g/100mL

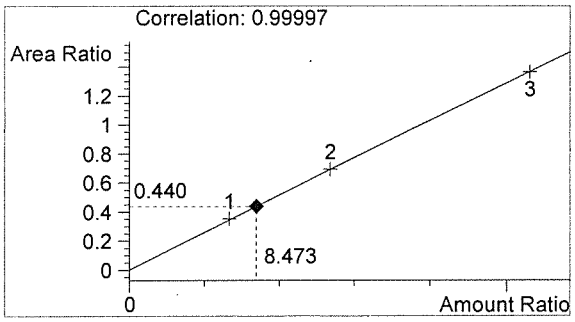
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/21/2015 10:35:57 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 15040

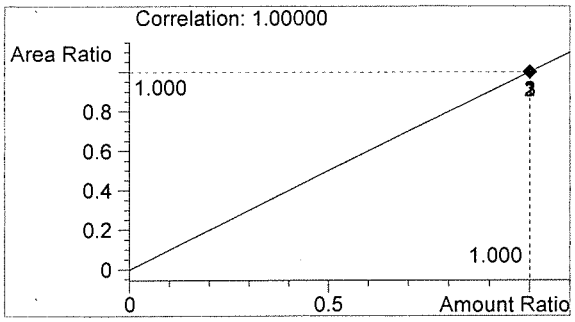
Sample Name: 0.10 CTRL
Operator: Amanda Chandler
Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	772	1.023
2	n-Propanol	1757	1.751



Ethanol 0.102 g/100mL

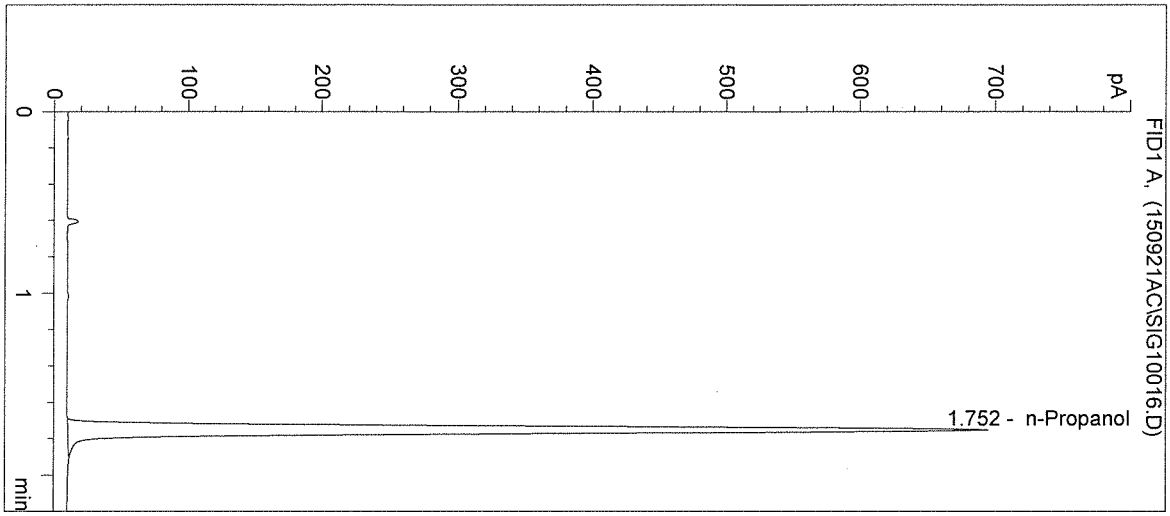


n-Propanol 0.012 g/100mL

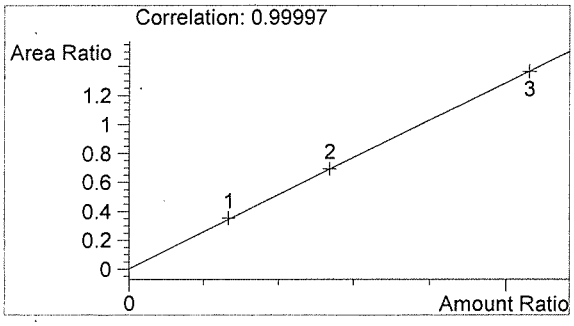
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/21/2015 10:39:10 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 15040

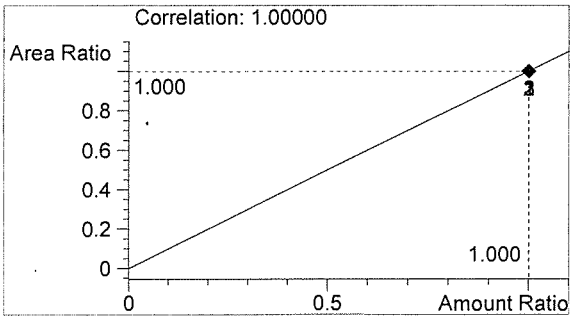
Sample Name: NEG CTRL
Operator: Amanda Chandler
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1867	1.752



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

Sequence: C:\HPCHEM\2\SEQUENCE\ACQAPB3.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\2\DATA\
Data Subdirectory:	150921AG
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E0615-01 - Exp. 12/2/2015
Ethanol Calibrator 2, E0615-02 - Exp. 12/2/2015
Ethanol Calibrator 3, E0615-03 - Exp. 12/2/2015
CTRL1 (0.04g/100mL), Lot # FN05011301 - Exp. 05/2018
CTRL2 (0.10g/100mL), Lot # FN08051301 - Exp. 10/2018
CTRL3 (0.20g/100mL), Lot # FN03211401 - Exp. 06/2019
Internal Standard Lot#P0715 - Exp. 10/27/15

Calibration vials 1-9 filed with 15040.

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC3	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC3	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC3	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC3	1	Calib		
5	Vial 5	NEG CTRL	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 CTRL	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 CTRL	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 CTRL	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC3	1	Ctrl Samp		
10	Vial 10	15040 #1	SIMALC3	1	Sample		
11	Vial 11	15040 #2	SIMALC3	1	Sample		
12	Vial 12	15040 #3	SIMALC3	1	Sample		
13	Vial 13	15040 #4	SIMALC3	1	Sample		
14	Vial 14	15040 #5	SIMALC3	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC3	1	Ctrl Samp		

15040
fw 9/27/15

Calibration Part:

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

Sequence: C:\HPCHEM\2\SEQUENCE\ACQAPB3.S

Sequence Table (Back Injector):

No entries - empty table!

15040
final 27 15

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

Calibration Table

Calib. Data Modified : Monday, September 21, 2015 3:00:22 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,

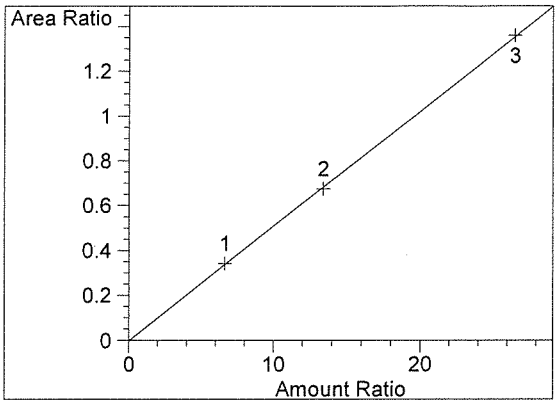
RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref Grp	Name
1.022	1	1	7.97800e-2	572.45654	1.39364e-4	1	Ethanol
		2	1.60980e-1	1133.98975	1.41959e-4		
		3	3.18440e-1	2312.07495	1.37729e-4		
1.748	1	1	1.20000e-2	1676.27673	7.15872e-6	I1	n-Propanol
		2	1.20000e-2	1680.12878	7.14231e-6		
		3	1.20000e-2	1700.02026	7.05874e-6		

15040
fm 9/27/15

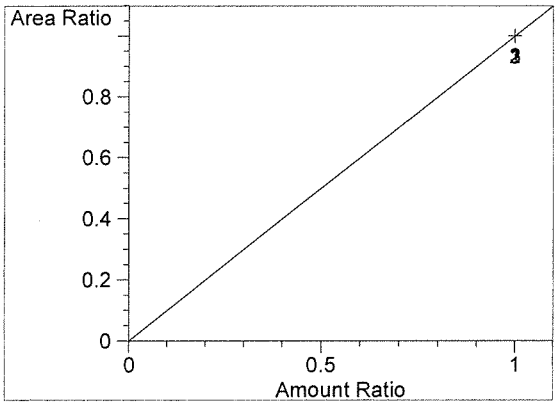
Peak Sum Table

No Entries in table

Calibration Curves



Ethanol at exp. RT: 1.022
FID1 A,
Correlation: 0.99994
Residual Std. Dev.: 0.00782
Formula: y = mx + b
m: 5.11832e-2
b: -2.16602e-3
x: Amount Ratio
y: Area Ratio



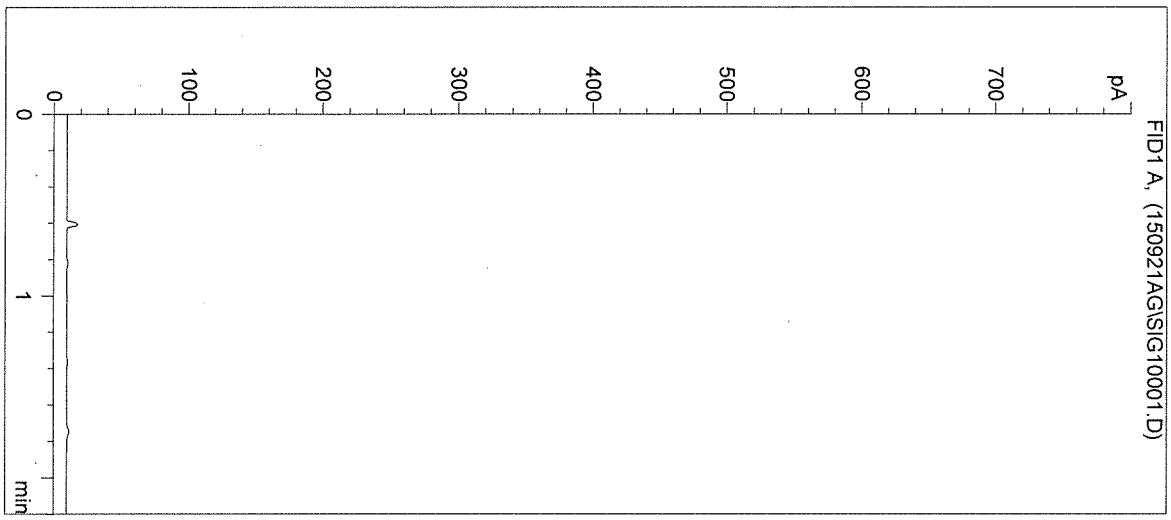
n-Propanol at exp. RT: 1.748
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

15040
fm 9/27/15

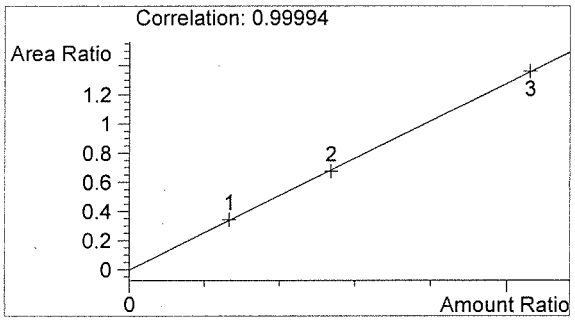
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/21/2015 2:48:17 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 15040

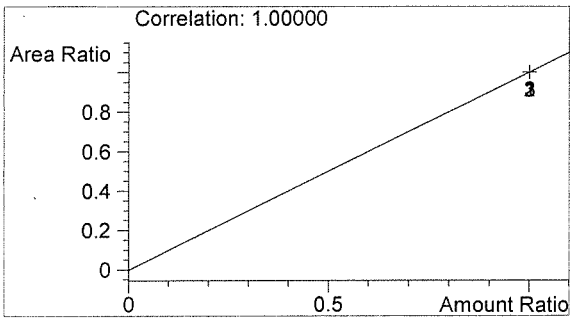
Sample Name: BLANK
Operator: Andrew Gingras
Location: Vial 1



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



Ethanol 0.000 g/100mL



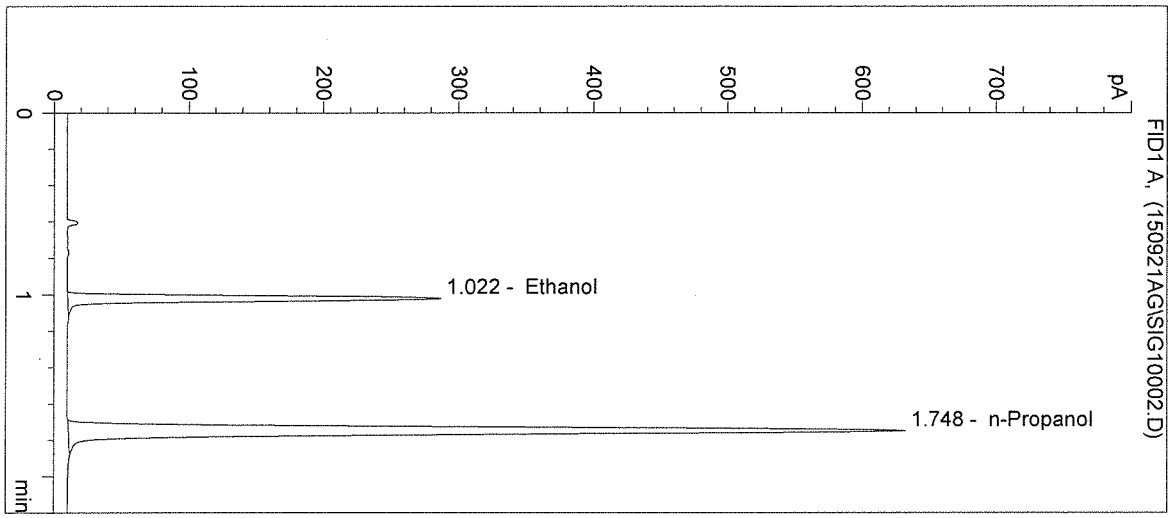
n-Propanol 0.000 g/100mL

Data File: C:\HPCHEM\2\DATA\150921AG\SIG10001.D

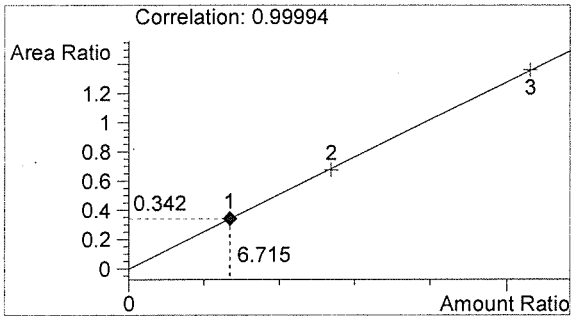
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/21/2015 2:51:35 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 15040

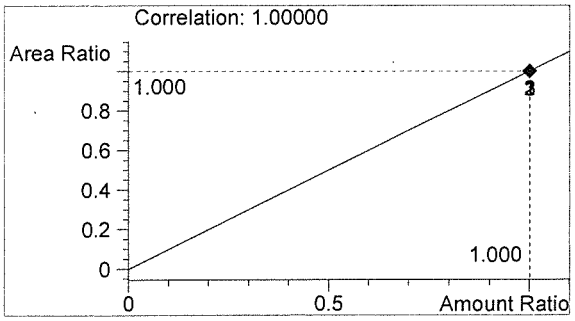
Sample Name: 0.079 CAL 1
Operator: Andrew Gingras
Location: Vial 2



#	Compound	Peak Area	RT (min)
1	Ethanol	572	1.022
2	n-Propanol	1676	1.748



Ethanol 0.081 g/100mL



n-Propanol 0.012 g/100mL

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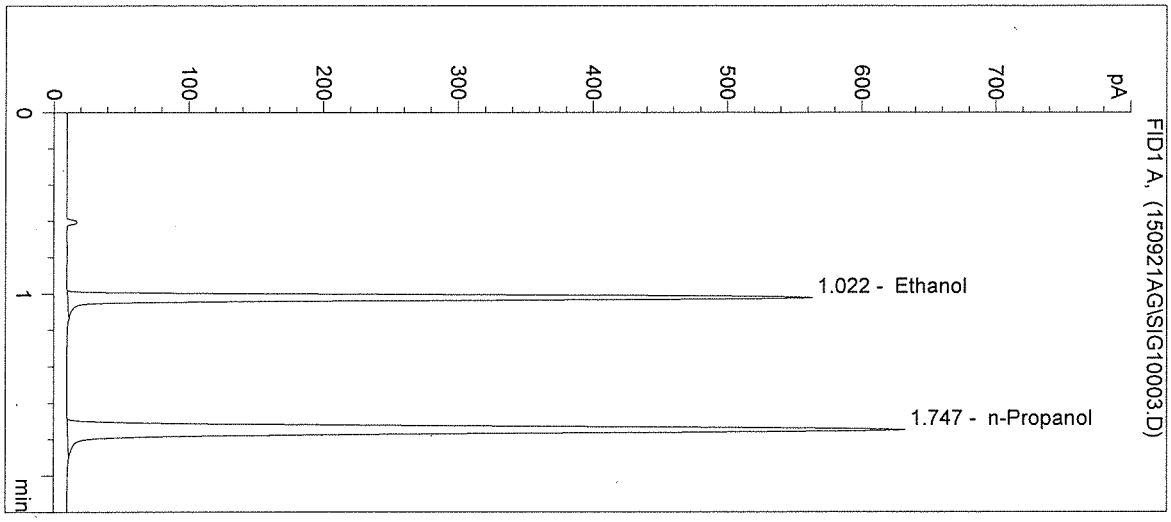
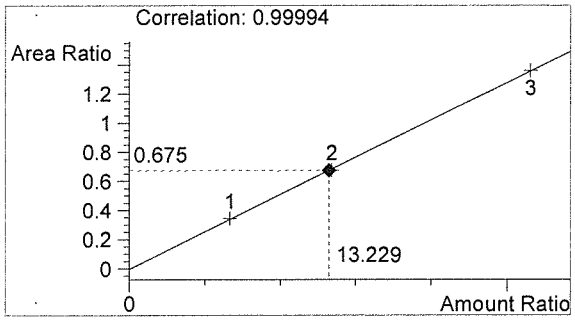
Inj. Date: 9/21/2015 2:54:53 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 15040

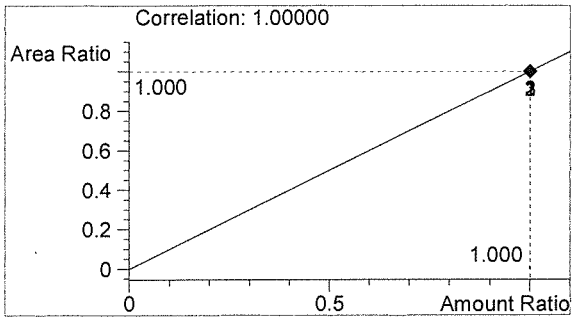
Sample Name: 0.158 CAL 2
Operator: Andrew Gingras
Location: Vial 3



#	Compound	Peak Area	RT (min)
1	Ethanol	1134	1.022
2	n-Propanol	1680	1.747



Ethanol 0.159 g/100mL



n-Propanol 0.012 g/100mL

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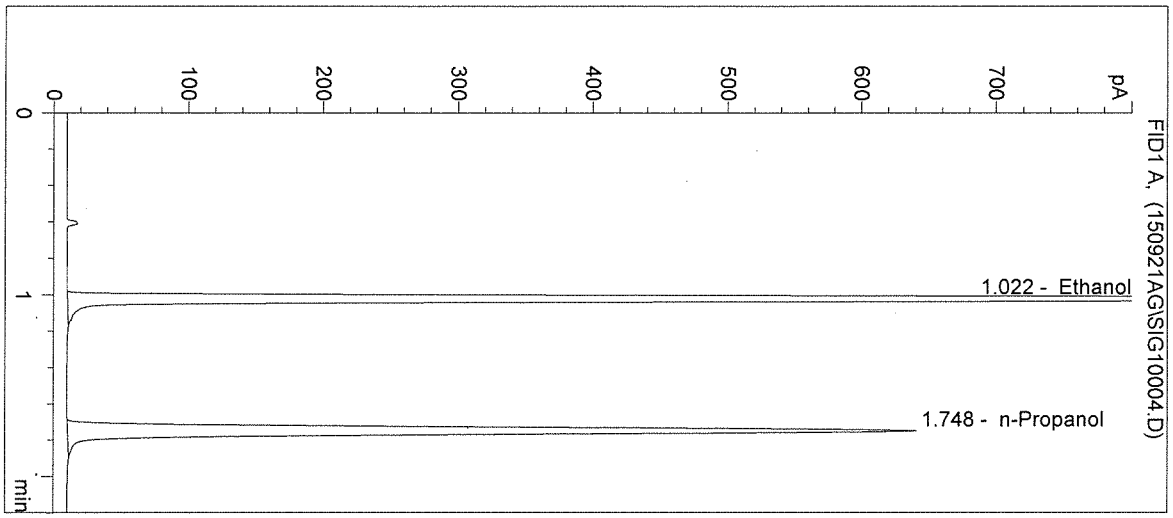
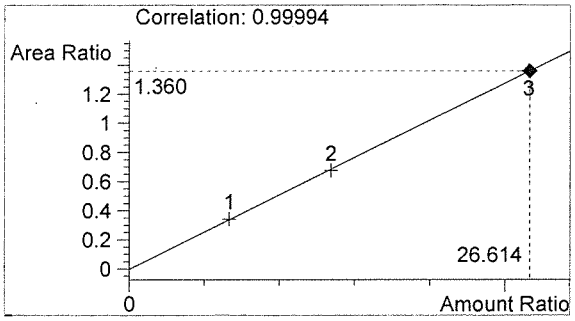
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/21/2015 2:58:10 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 15040

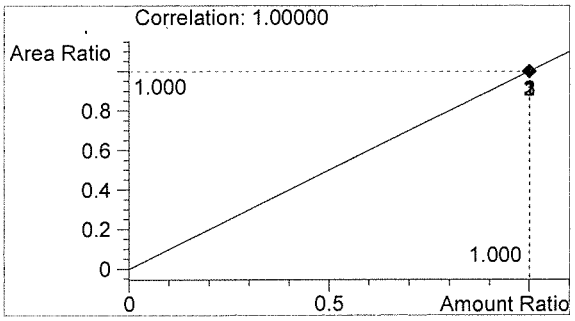
Sample Name: 0.316 CAL 3
Operator: Andrew Gingras
Location: Vial 4



#	Compound	Peak Area	RT (min)
1	Ethanol	2312	1.022
2	n-Propanol	1700	1.748



Ethanol 0.319 g/100mL



n-Propanol 0.012 g/100mL

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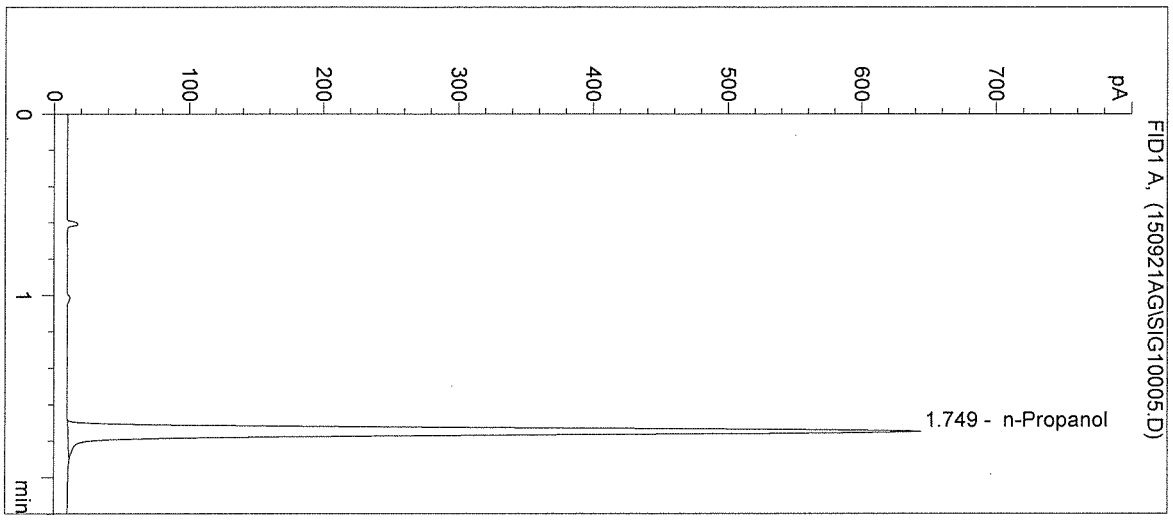
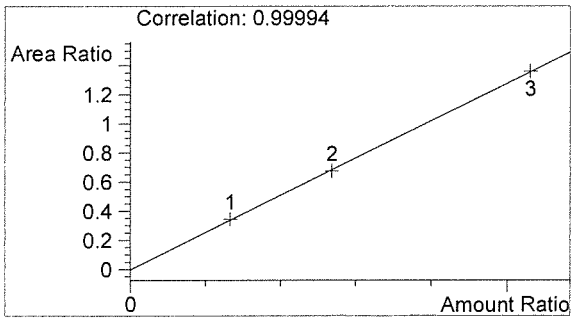
Inj. Date: 9/21/2015 3:01:23 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 15040

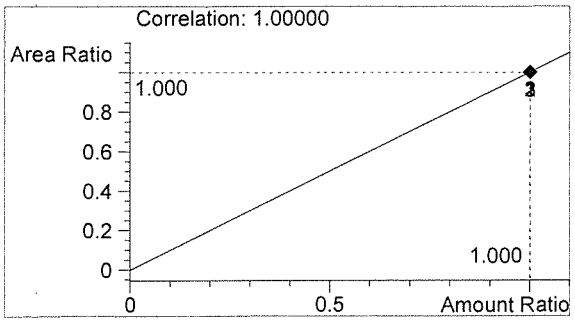
Sample Name: NEG CTRL
Operator: Andrew Gingras
Location: Vial 5



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1712	1.749



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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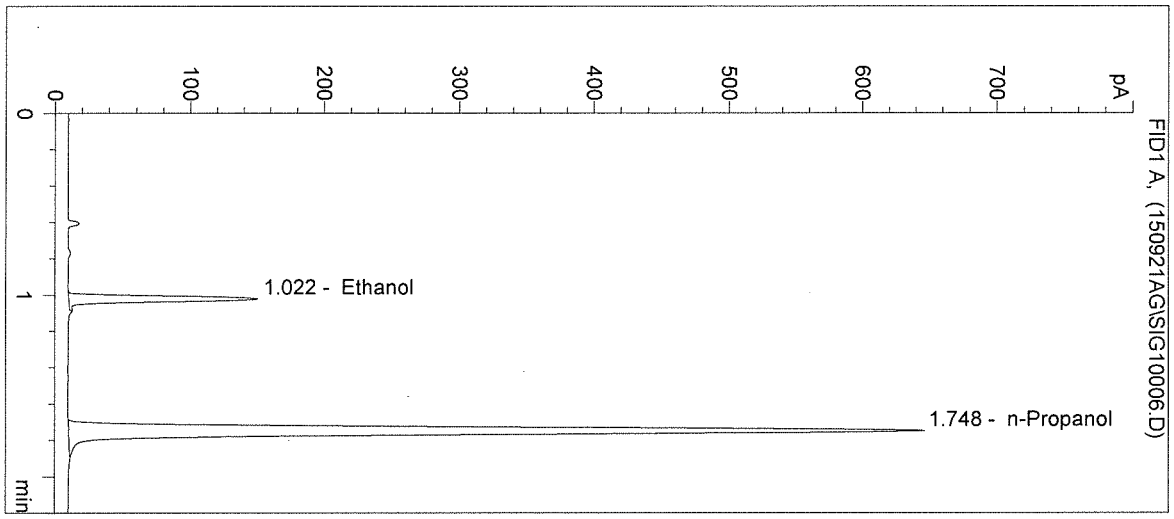
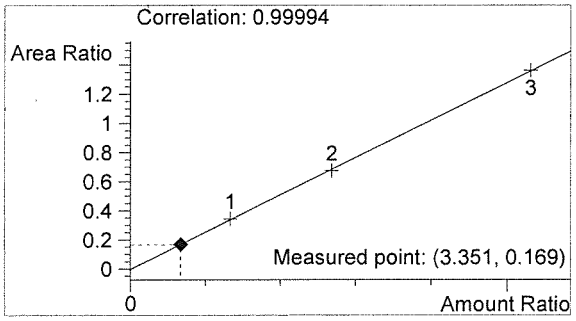
Inj. Date: 9/21/2015 3:04:36 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 15040

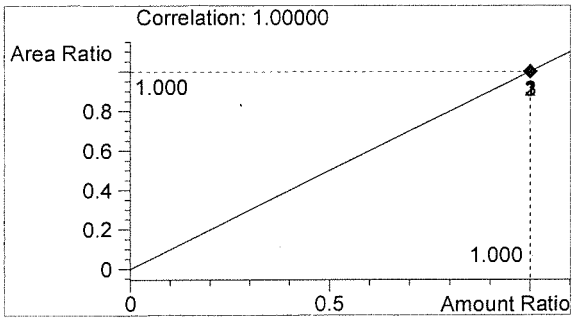
Sample Name: 0.04 CTRL
Operator: Andrew Gingras
Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	291	1.022
2	n-Propanol	1719	1.748



Ethanol 0.040 g/100mL



n-Propanol 0.012 g/100mL

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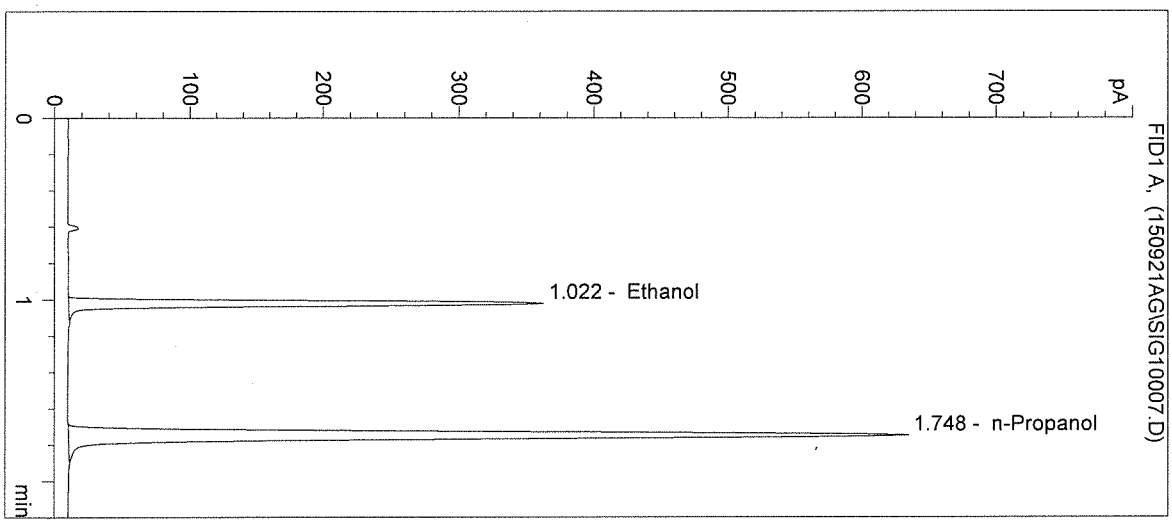
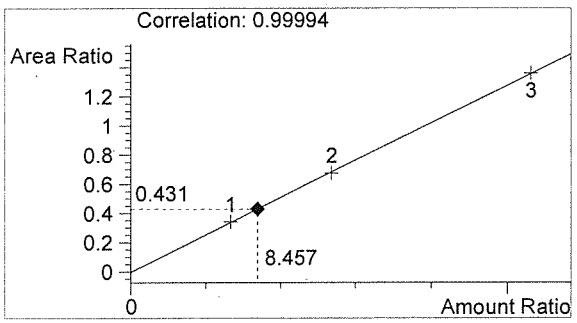
Inj. Date: 9/21/2015 3:07:50 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 15040

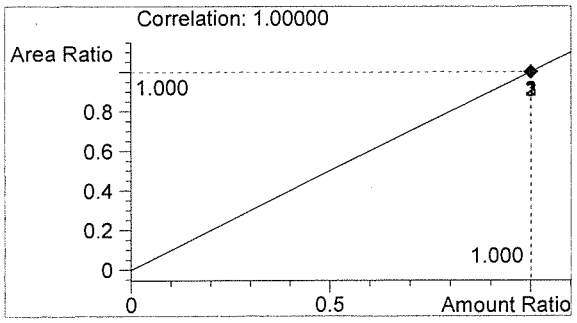
Sample Name: 0.10 CTRL
Operator: Andrew Gingras
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	727	1.022
2	n-Propanol	1688	1.748



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\2\DATA\150921AG\SIG10007.D

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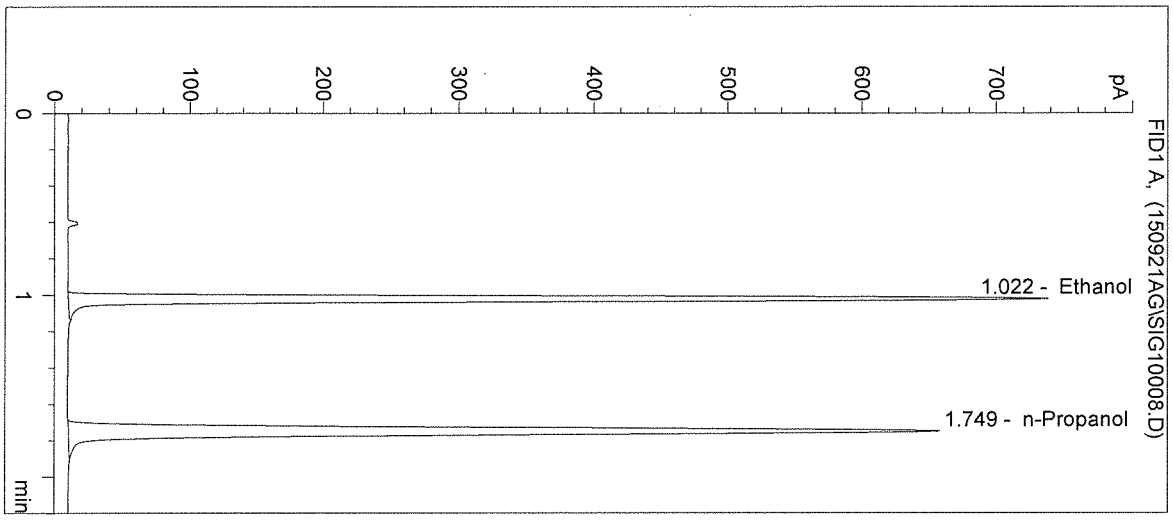
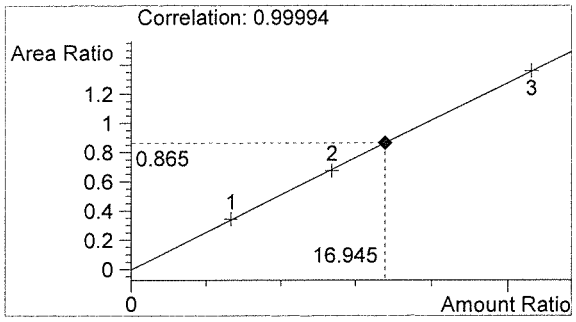
Inj. Date: 9/21/2015 3:11:03 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 15040

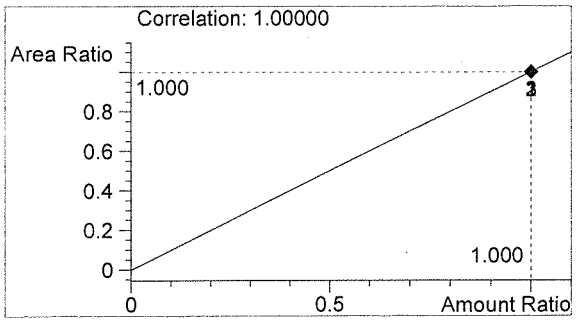
Sample Name: 0.20 CTRL
Operator: Andrew Gingras
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	1518	1.022
2	n-Propanol	1755	1.749



Ethanol 0.203 g/100mL



n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\2\DATA\150921AG\SIG10008.D

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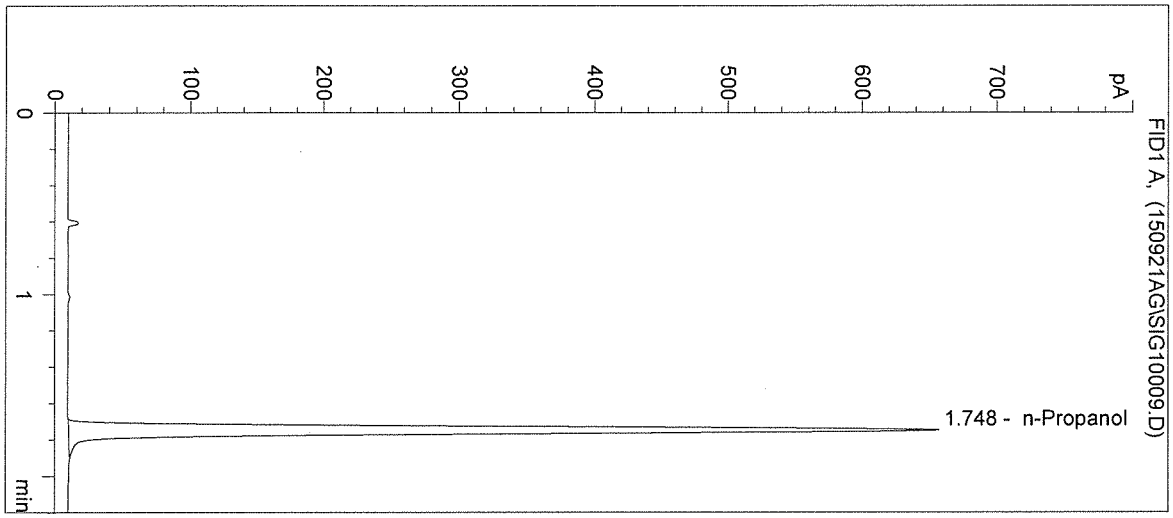
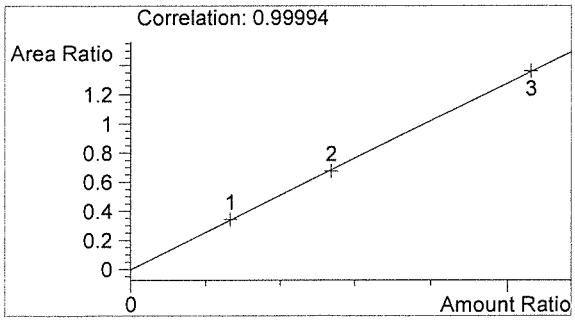
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/21/2015 3:14:17 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 15040

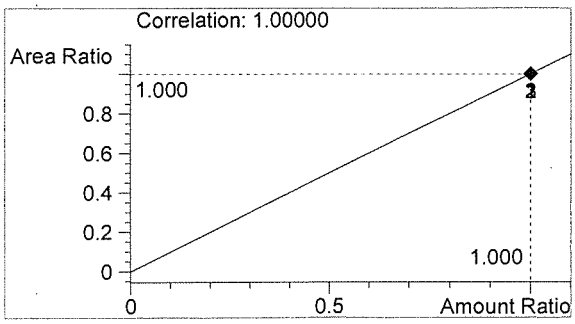
Sample Name: NEG CTRL
Operator: Andrew Gingras
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1751	1.748



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\2\DATA\150921AG\SIG10009.D

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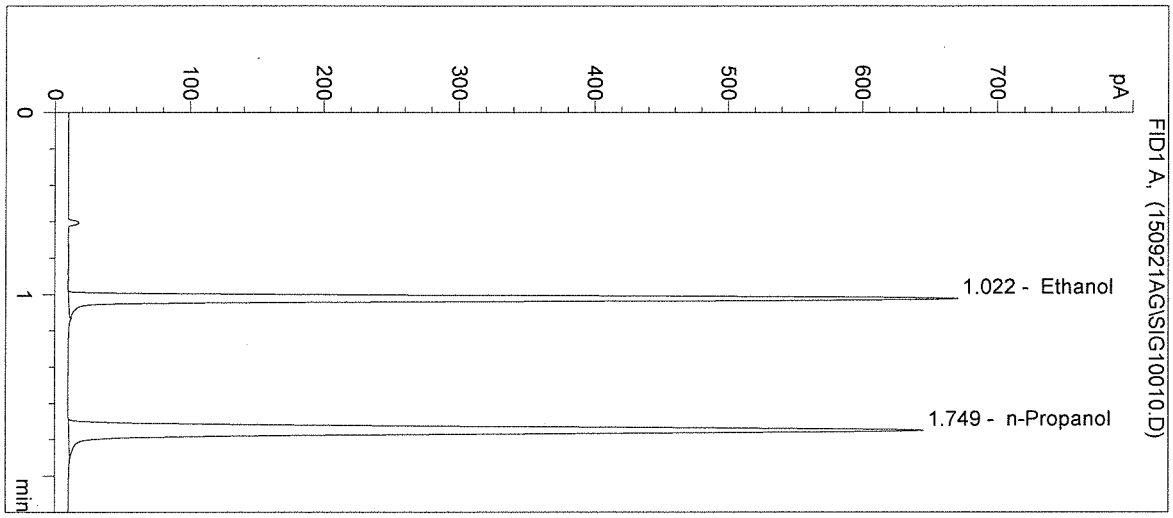
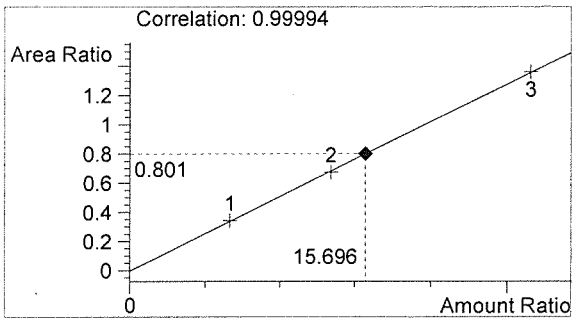
Inj. Date: 9/21/2015 3:17:30 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

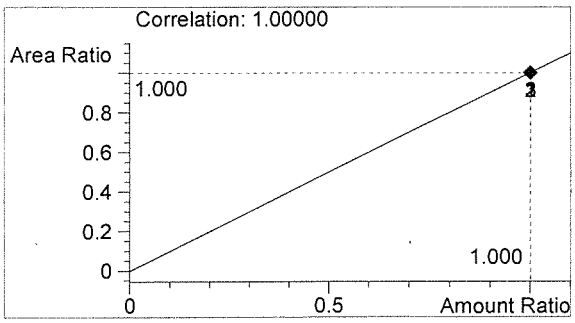
Sample Name: 15040 #1
Operator: Andrew Gingras
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	1378	1.022
2	n-Propanol	1720	1.749



Ethanol 0.188 g/100mL



n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\2\DATA\150921AG\SIG10010.D

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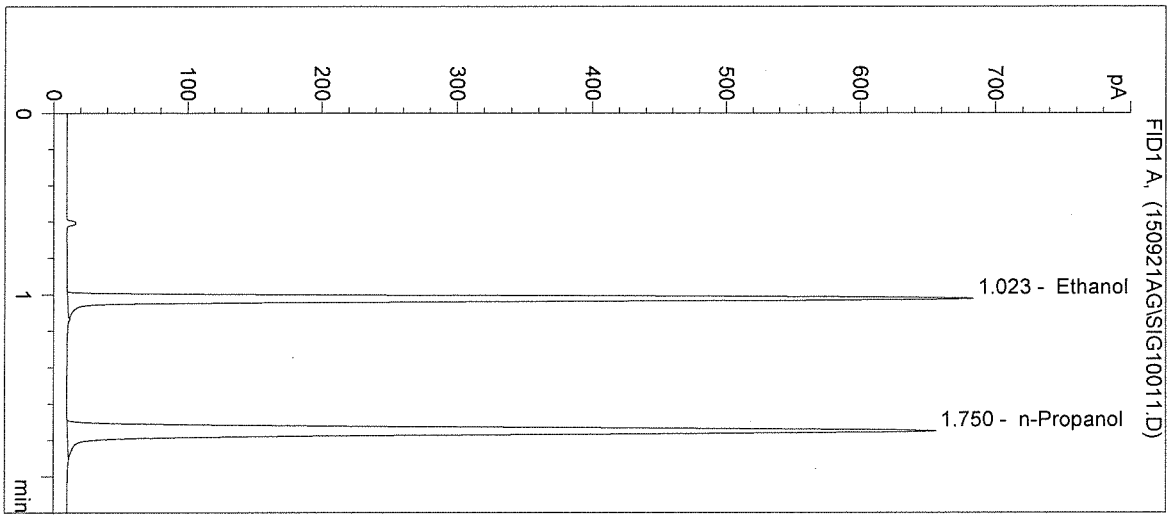
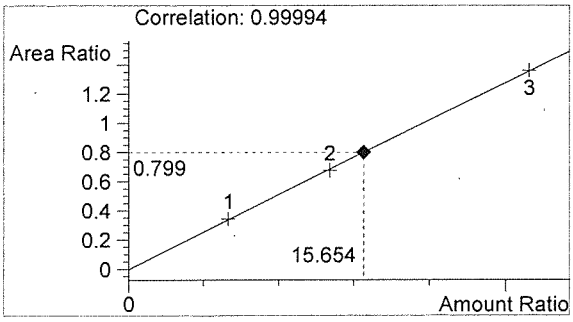
Inj. Date: 9/21/2015 3:20:43 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

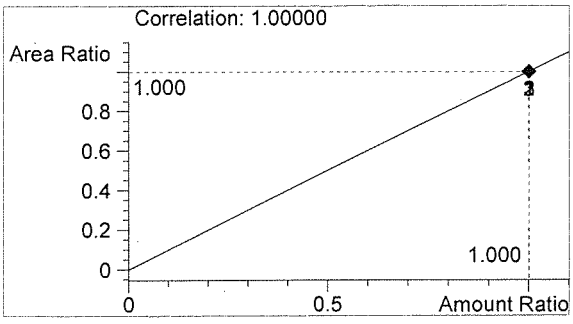
Sample Name: 15040 #2
Operator: Andrew Gingras
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	1394	1.023
2	n-Propanol	1745	1.750



Ethanol 0.188 g/100mL



n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\2\DATA\150921AG\SIG10011.D

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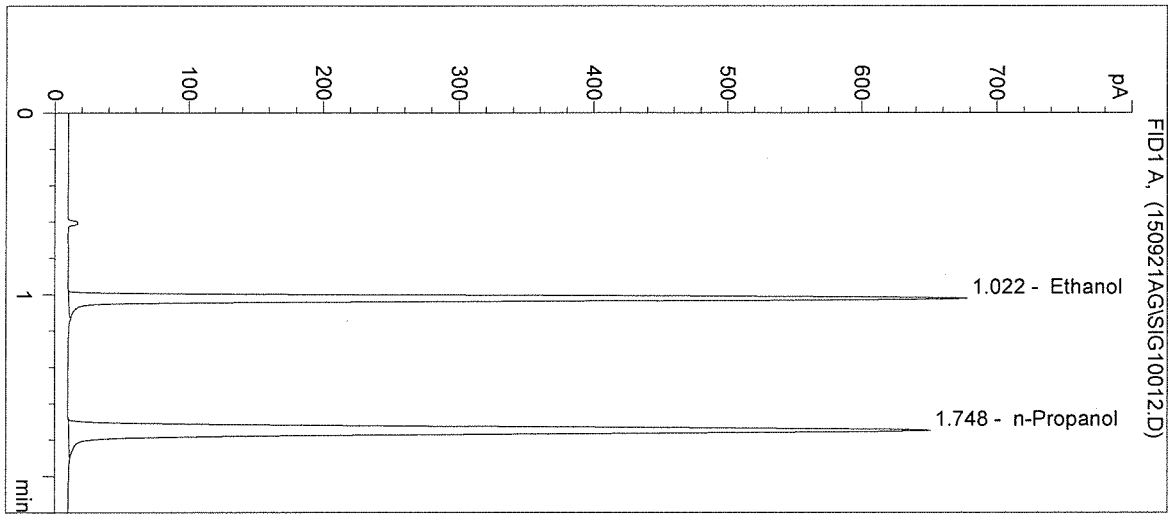
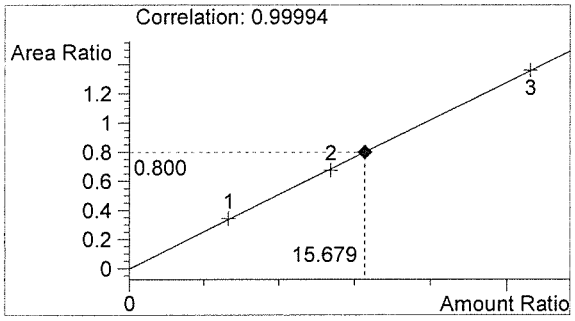
Inj. Date: 9/21/2015 3:23:57 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

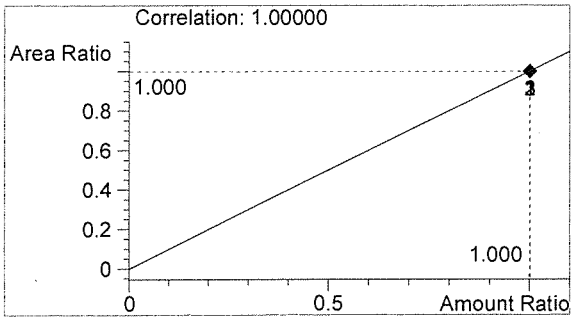
Sample Name: 15040 #3
Operator: Andrew Gingras
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	1386	1.022
2	n-Propanol	1732	1.748



Ethanol 0.188 g/100mL



n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\2\DATA\150921AG\SIG10012.D

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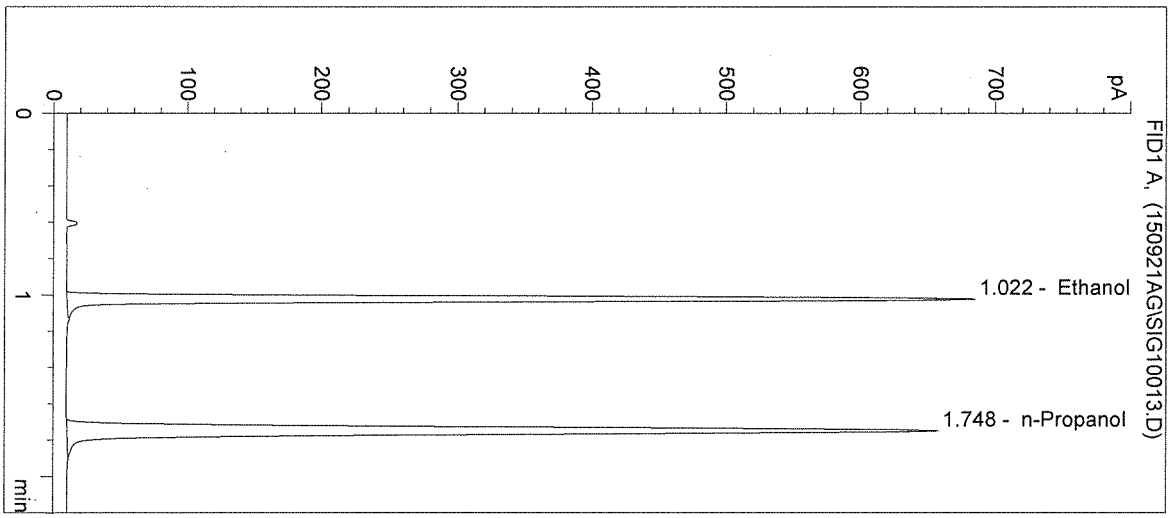
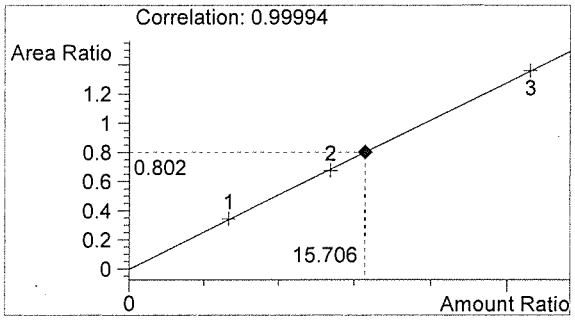
Inj. Date: 9/21/2015 3:27:10 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

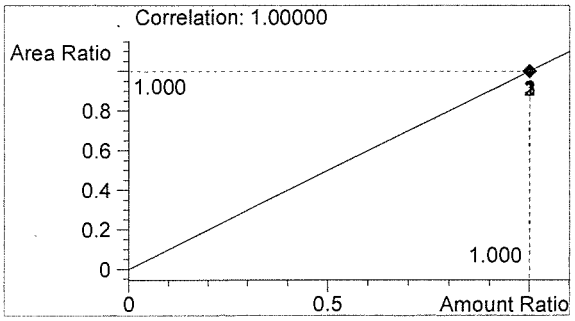
Sample Name: 15040 #4
Operator: Andrew Gingras
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	1406	1.022
2	n-Propanol	1754	1.748



Ethanol 0.188 g/100mL



n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\2\DATA\150921AG\SIG10013.D

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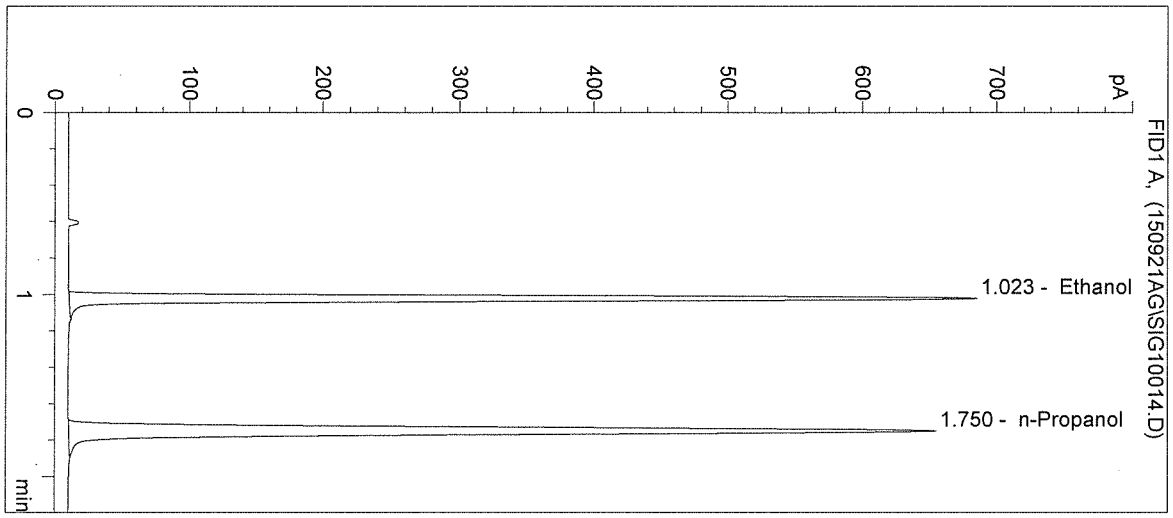
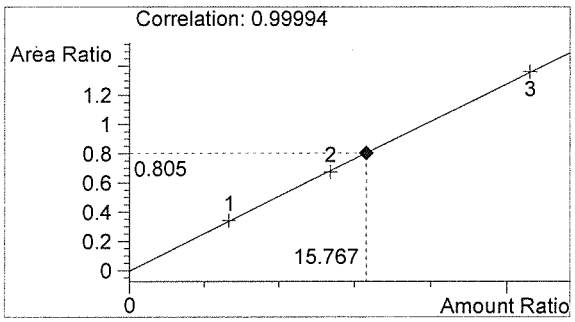
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/21/2015 3:30:23 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

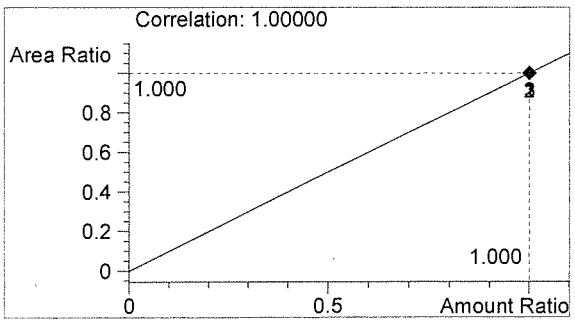
Sample Name: 15040 #5
Operator: Andrew Gingras
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	1401	1.023
2	n-Propanol	1741	1.750



Ethanol 0.189 g/100mL



n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\2\DATA\150921AG\SIG10014.D

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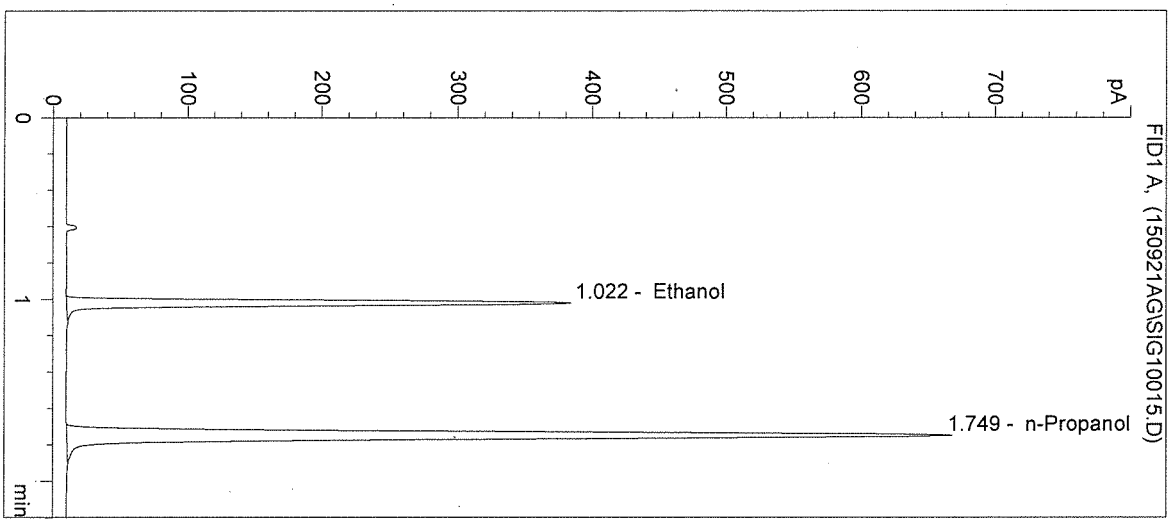
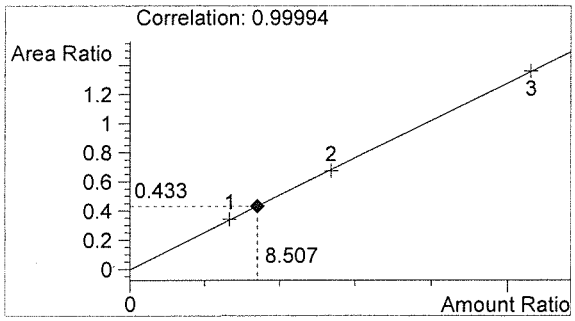
Inj. Date: 9/21/2015 3:33:36 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 15040

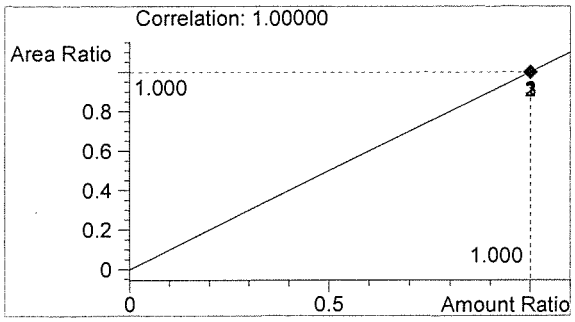
Sample Name: 0.10 CTRL
Operator: Andrew Gingras
Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	770	1.022
2	n-Propanol	1777	1.749



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

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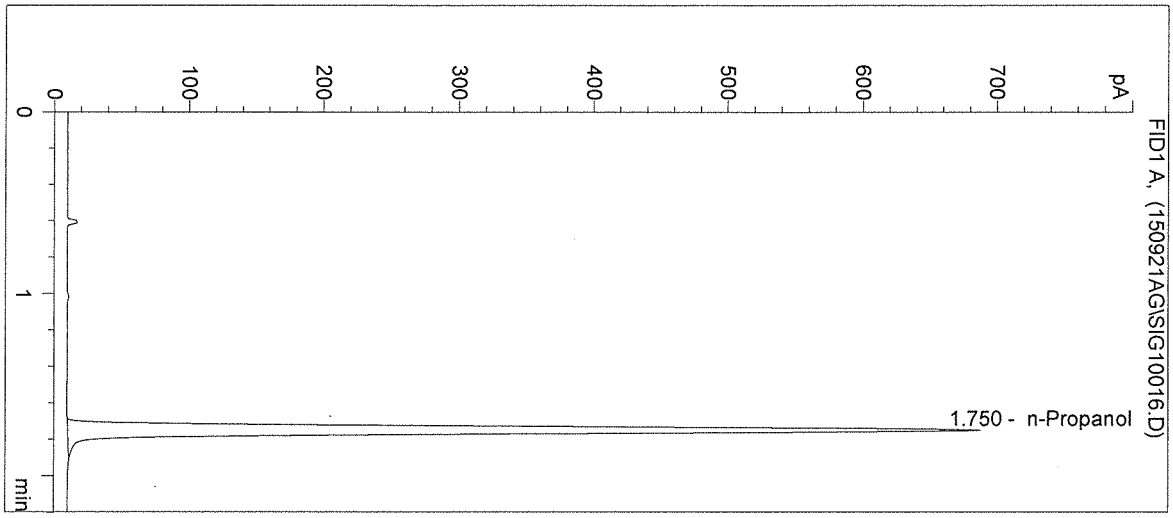
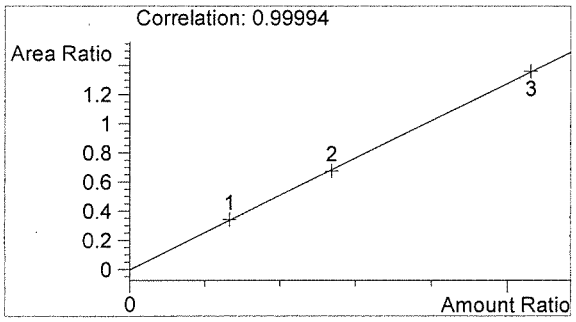
Inj. Date: 9/21/2015 3:36:50 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 15040

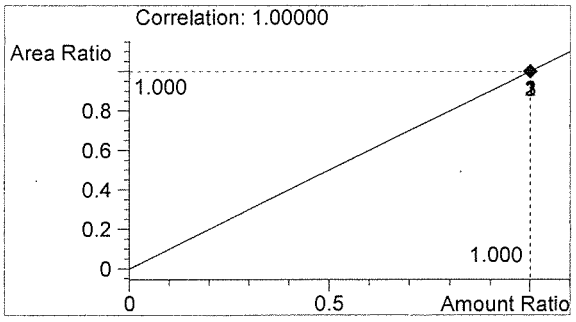
Sample Name: NEG CTRL
Operator: Andrew Gingras
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1827	1.750



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

Sequence: C:\HPCHEM\2\SEQUENCE\EW-QAP2.S

Sequence Parameters:

Operator:	Elizabeth Wehner
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\2\DATA\
Data Subdirectory:	150925EW
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#: E0615-01 Exp. 12/02/2015
CAL 2: 0.158 g/100mL - Lot#: E0615-02 Exp. 12/02/2015
CAL 3: 0.316 g/100mL - Lot#: E0615-03 Exp. 12/02/2015

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

n-Propanol ISTD - Lot#: P0715 Exp. 10/27/2015

Calibration vials 1-9 are filed with Batch ~~15028.~~
15040
EW 09/25/15

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC3	1	Sample		
2	Vial 2	CAL 1 (0.079)	SIMALC3	1	Calib		
3	Vial 3	CAL 2 (0.158)	SIMALC3	1	Calib		
4	Vial 4	CAL 3 (0.316)	SIMALC3	1	Calib		
5	Vial 5	NEG CTRL	SIMALC3	1	Ctrl Samp		
6	Vial 6	CTRL 1 (0.04)	SIMALC3	1	Ctrl Samp		
7	Vial 7	CTRL 2 (0.10)	SIMALC3	1	Ctrl Samp		
8	Vial 8	CTRL 3 (0.20)	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC3	1	Ctrl Samp		
10	Vial 10	15040 #1	SIMALC3	1	Sample		
11	Vial 11	15040 #2	SIMALC3	1	Sample		
12	Vial 12	15040 #3	SIMALC3	1	Sample		
13	Vial 13	15040 #4	SIMALC3	1	Sample		
14	Vial 14	15040 #5	SIMALC3	1	Sample		
15	Vial 15	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC3	1	Ctrl Samp		

15040
EW 09/25/15

Calibration Part:

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

EW

Sequence: C:\HPCHEM\2\SEQUENCE\EW-QAP2.S

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

Sequence Table (Back Injector):

No entries - empty table!

I 5 0 4 0

fralkalis

EW

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

Calibration Table

Calib. Data Modified : Friday, September 25, 2015 2:49:14 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
1.023	1	1	7.97800e-2	626.64478	1.27313e-4	1	Ethanol
		2	1.60980e-1	1246.10754	1.29186e-4		
		3	3.18440e-1	2420.81982	1.31542e-4		
1.750	1	1	1.20000e-2	1797.50366	6.67593e-6	I1	n-Propanol
		2	1.20000e-2	1788.67712	6.70887e-6		
		3	1.20000e-2	1750.89795	6.85363e-6		

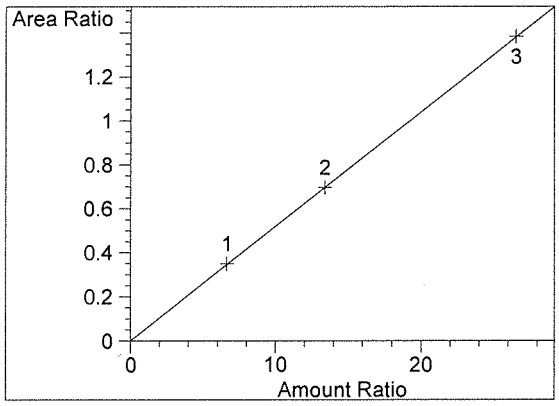
15040
fng 9/27/15

Peak Sum Table

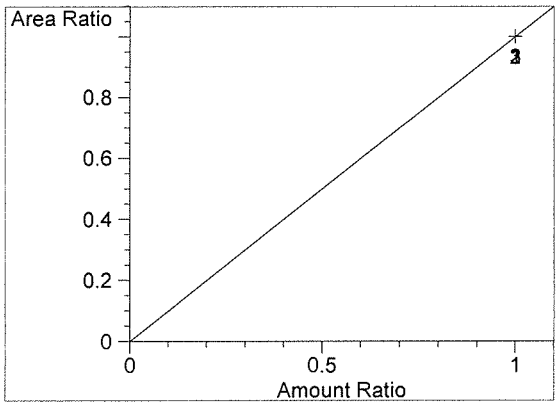
No Entries in table

EW

Calibration Curves



Ethanol at exp. RT: 1.023
FID1 A,
Correlation: 1.00000 ✓
Residual Std. Dev.: 0.00219
Formula: y = mx + b
m: 5.20627e-2
b: 4.44083e-4
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.750
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

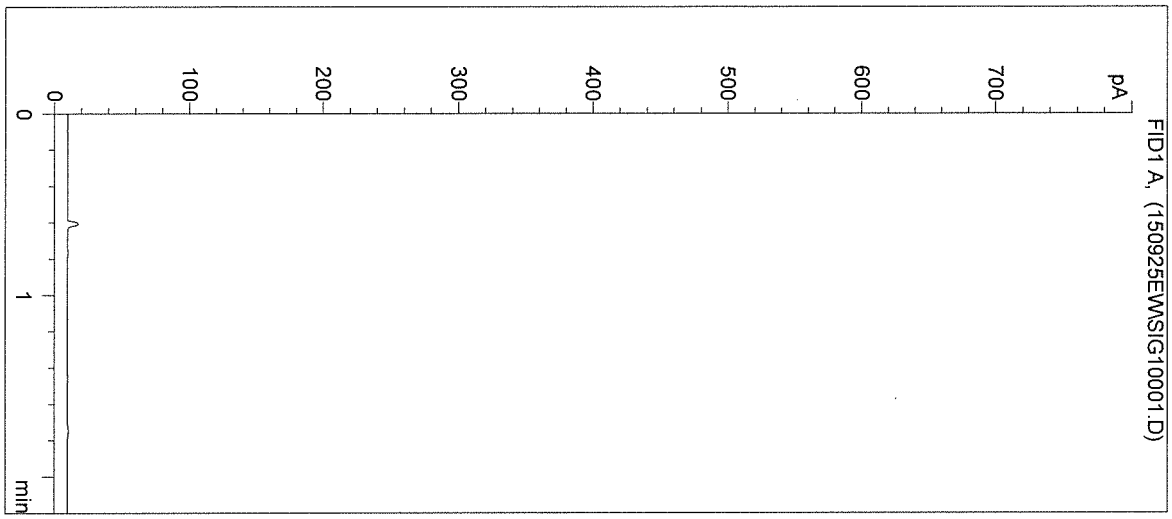
15040
fng 9/27/15

EW

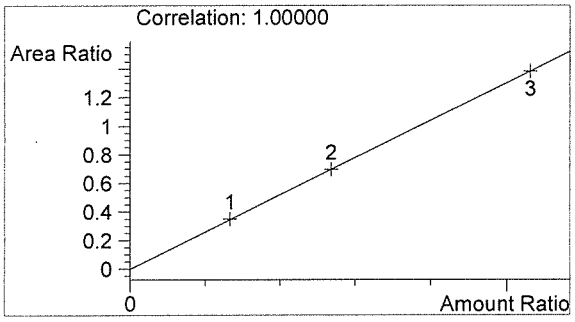
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/25/2015 2:37:09 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 15040

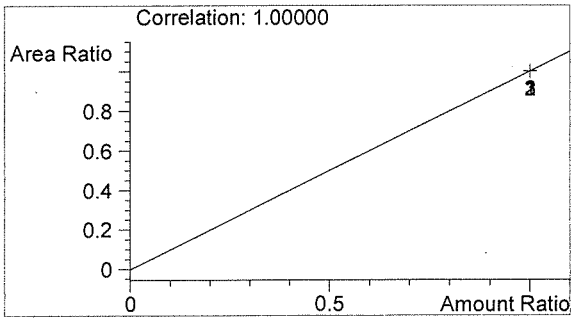
Sample Name: BLANK
Operator: Elizabeth Wehner
Location: Vial 1



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



Ethanol 0.000 g/100mL



n-Propanol 0.000 g/100mL

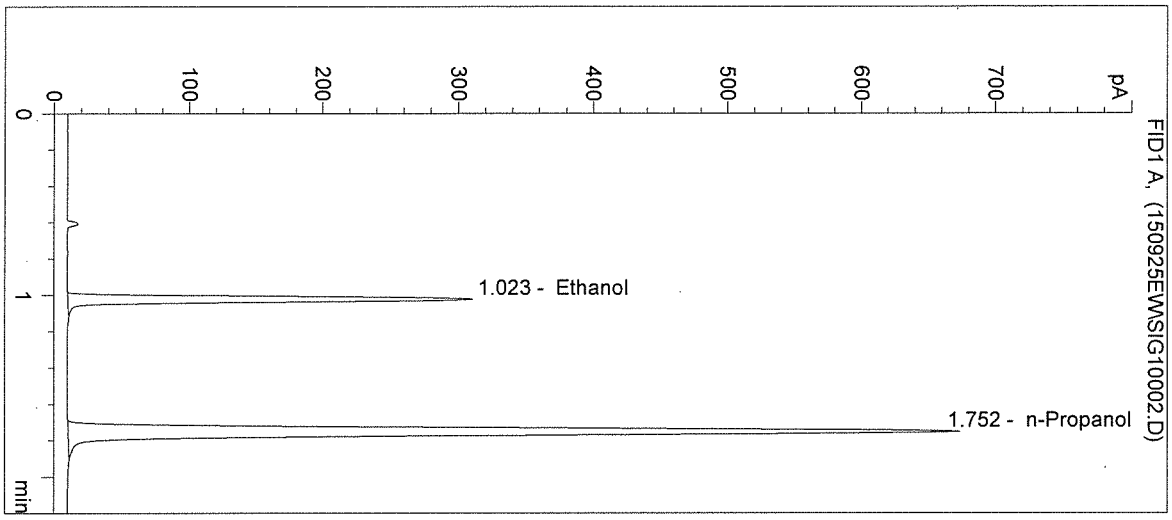
EW

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

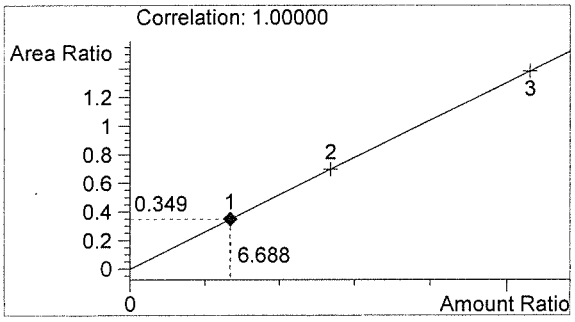
Inj. Date: 9/25/2015 2:40:27 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: CAL 1: 0.079 g/100mL
15040

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

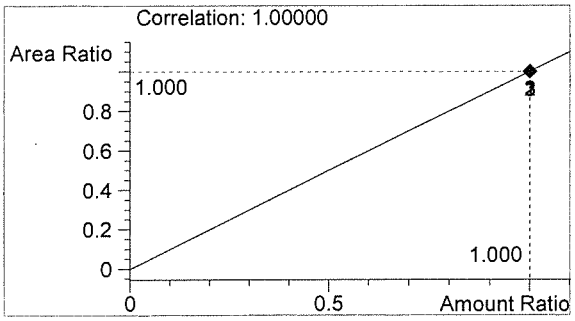
->



#	Compound	Peak Area	RT (min)
1	Ethanol	627	1.023
2	n-Propanol	1798	1.752



Ethanol 0.080 g/100mL



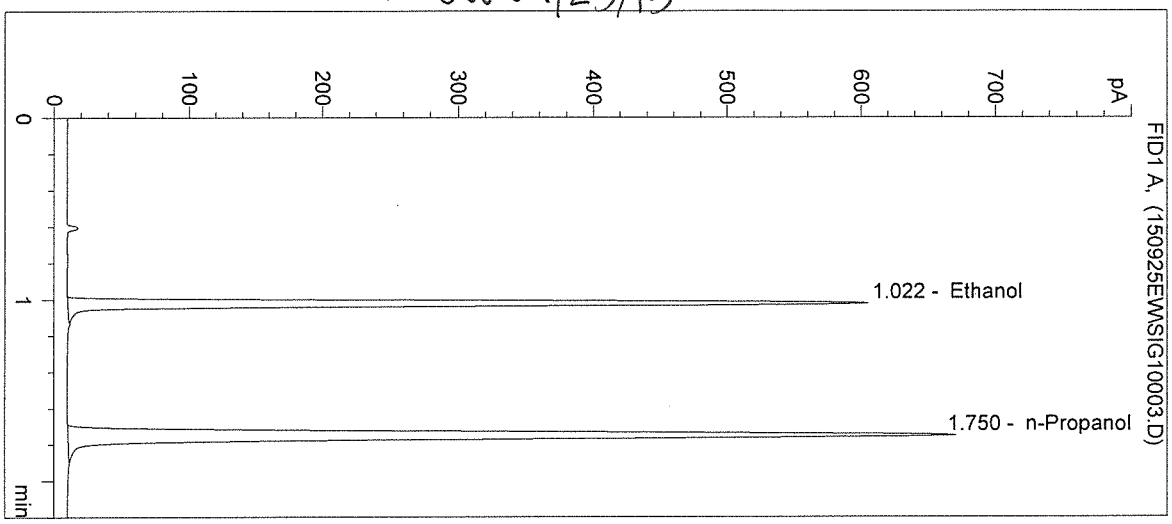
n-Propanol 0.012 g/100mL

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

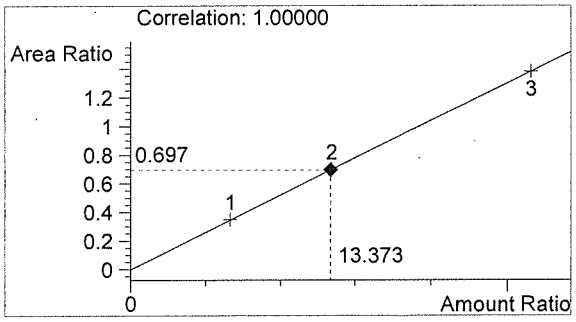
Inj. Date: 9/25/2015 2:43:44 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: CAL 2: 0.158 g/100mL

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

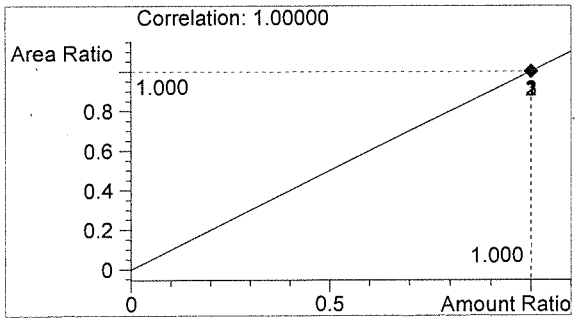
~~15028~~ 15040 EW 09/25/15 ->



#	Compound	Peak Area	RT (min)
1	Ethanol	1246	1.022
2	n-Propanol	1789	1.750



Ethanol 0.160 g/100mL



n-Propanol 0.012 g/100mL

fw

EW

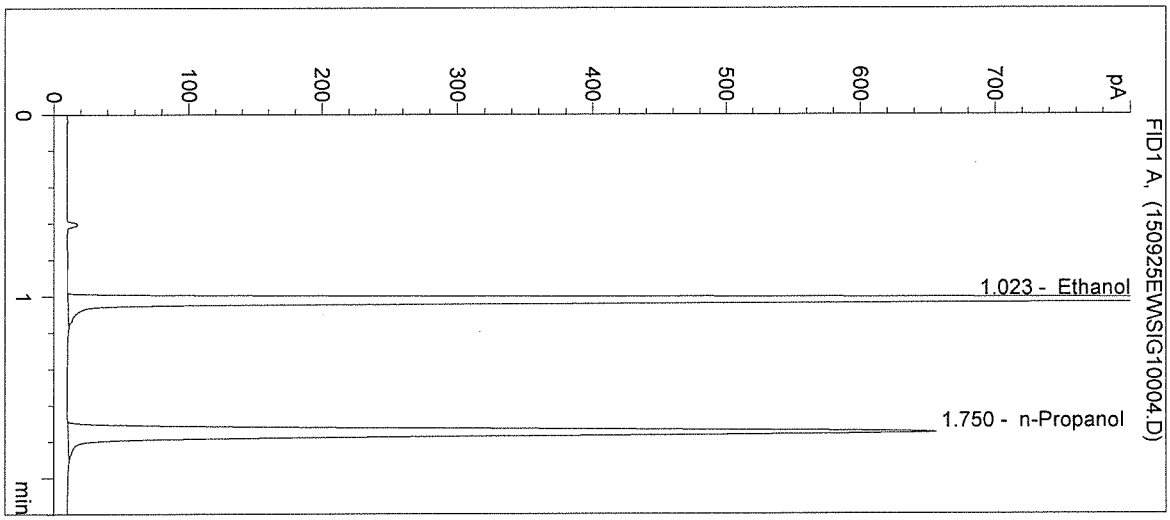
Data File: C:\HPCHEM\2\DATA\150925EW\SIG10003.D

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

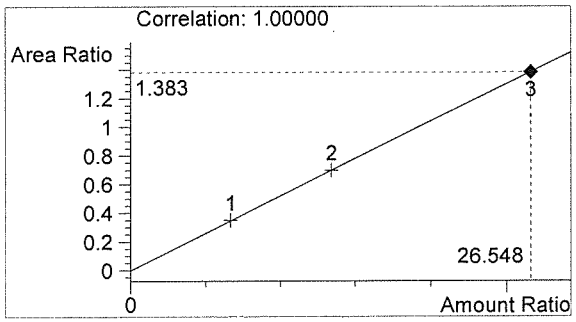
Inj. Date: 9/25/2015 2:47:02 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: CAL 3: 0.316 g/100mL
15040

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

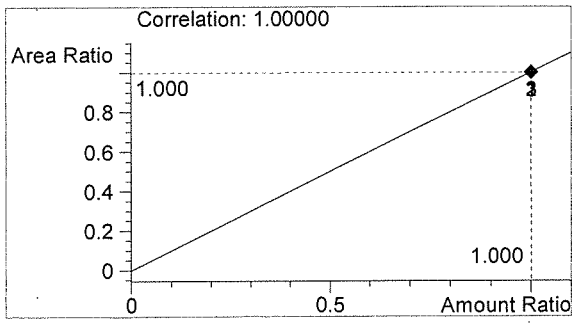
->



#	Compound	Peak Area	RT (min)
1	Ethanol	2421	1.023
2	n-Propanol	1751	1.750



Ethanol 0.319 g/100mL



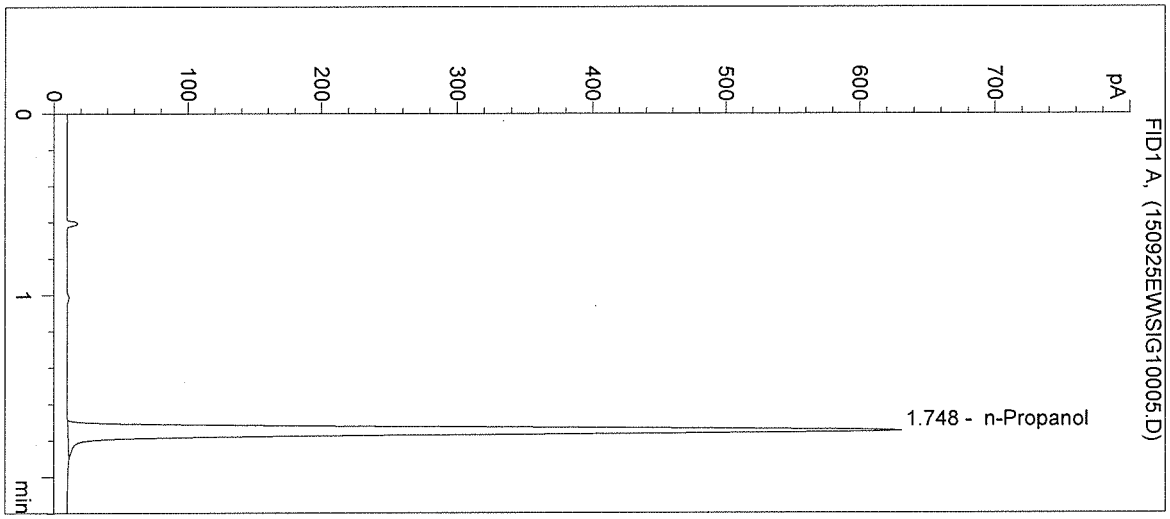
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\2\DATA\150925EW\SIG10004.D

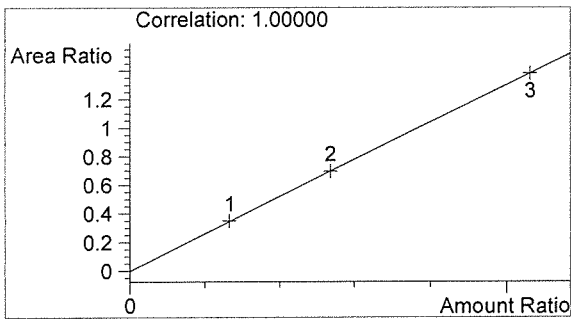
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/25/2015 2:50:16 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 15040

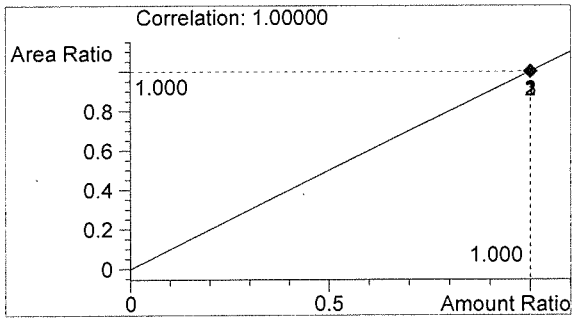
Sample Name: NEG CTRL
Operator: Elizabeth Wehner
Location: Vial 5



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1678	1.748



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

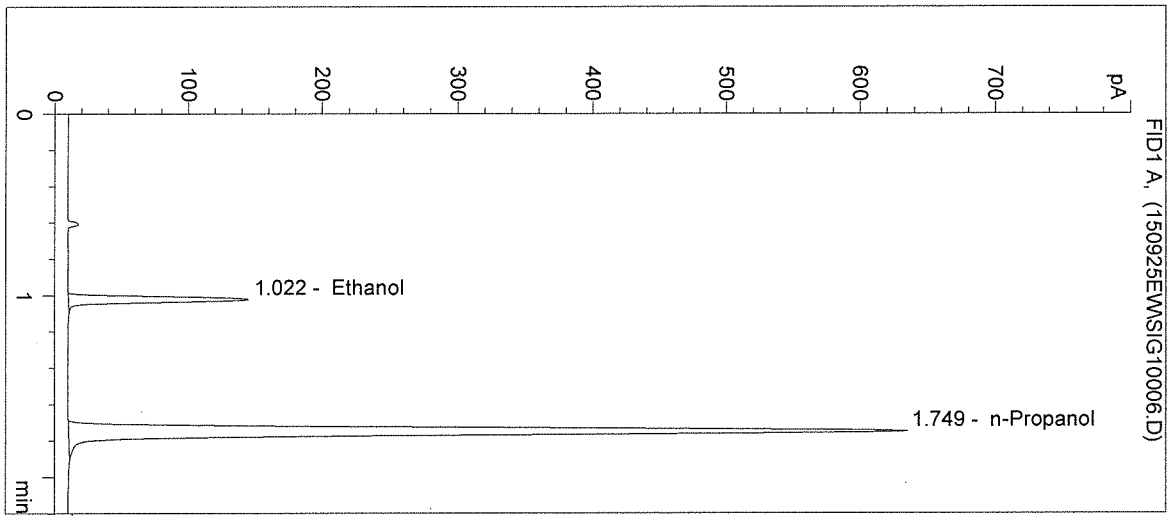
Data File: C:\HPCHEM\2\DATA\150925EW\SIG10005.D

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

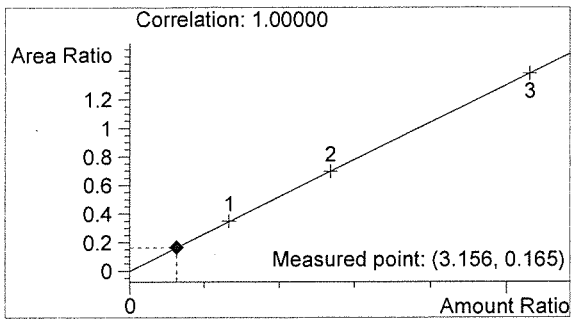
Inj. Date: 9/25/2015 2:53:28 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: CTRL 1: 0.04 g/100mL
15040

Sample Name: CTRL 1 (0.04)
Operator: Elizabeth Wehner
Location: Vial 6

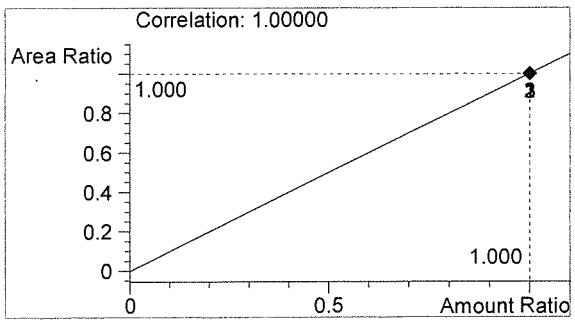
->



#	Compound	Peak Area	RT (min)
1	Ethanol	278	1.022
2	n-Propanol	1689	1.749



Ethanol 0.038 g/100mL



n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\2\DATA\150925EW\SIG10006.D

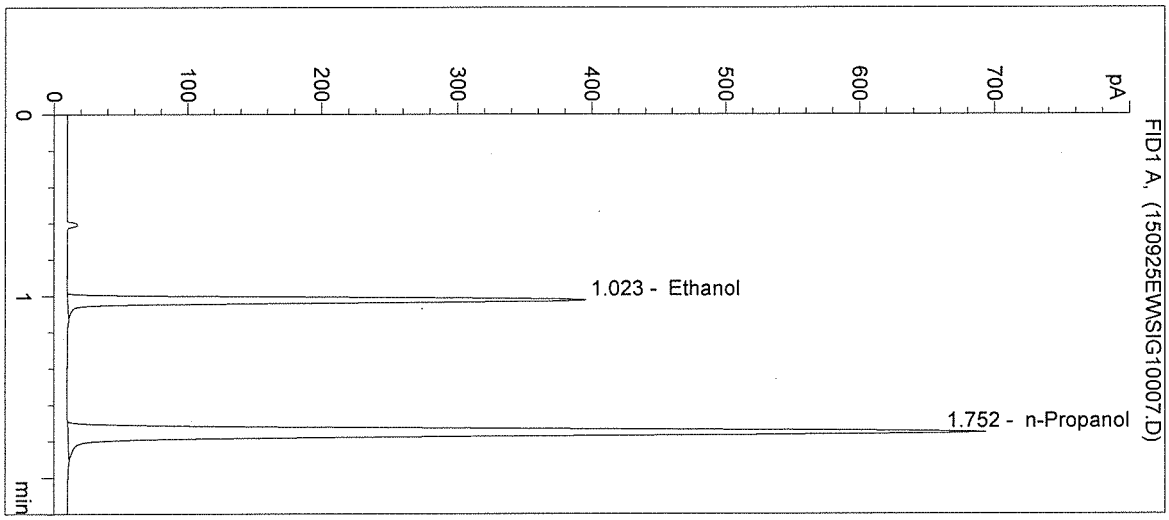
EW

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

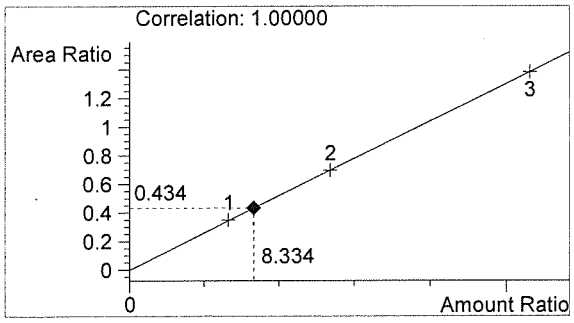
Inj. Date: 9/25/2015 2:56:42 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: CTRL 2: 0.10 g/100mL
15040

Sample Name: CTRL 2 (0.10)
Operator: Elizabeth Wehner
Location: Vial 7

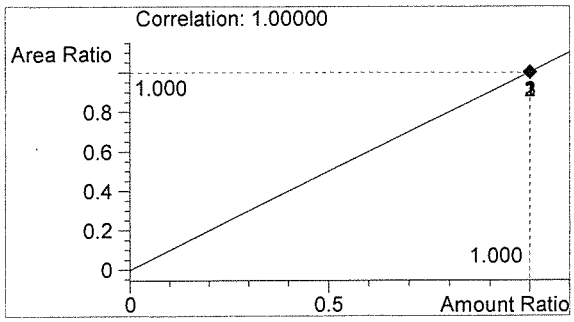
->



#	Compound	Peak Area	RT (min)
1	Ethanol	803	1.023
2	n-Propanol	1848	1.752



Ethanol 0.100 g/100mL



n-Propanol 0.012 g/100mL

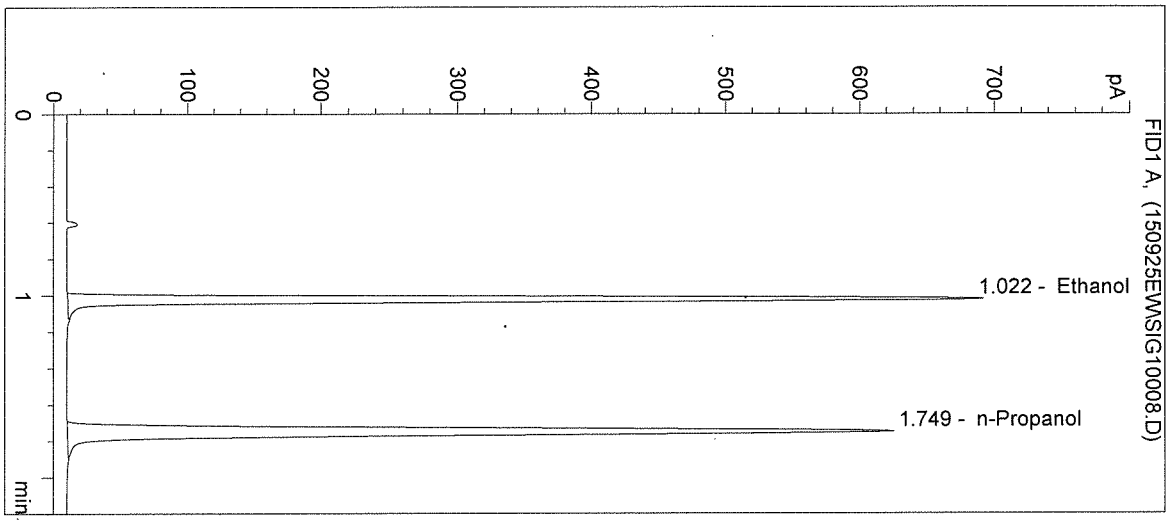
Data File: C:\HPCHEM\2\DATA\150925EW\SIG10007.D

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

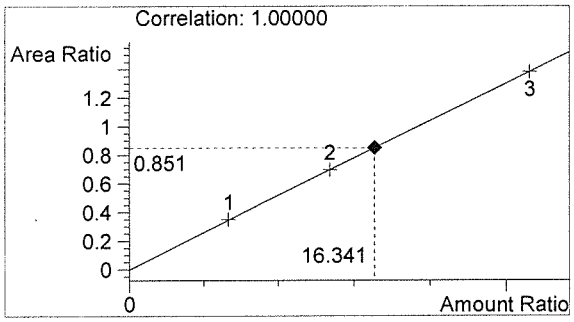
Inj. Date: 9/25/2015 2:59:55 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: CTRL 3: 0.20 g/100mL
15040

Sample Name: CTRL 3 (0.20)
Operator: Elizabeth Wehner
Location: Vial 8

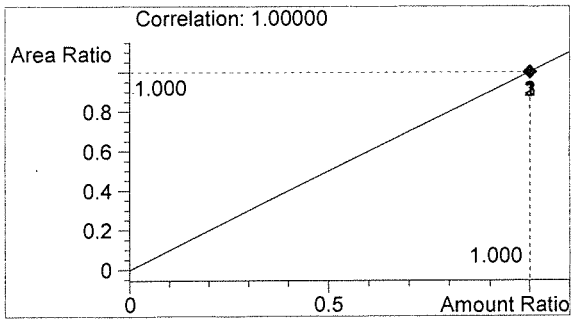
->



#	Compound	Peak Area	RT (min)
1	Ethanol	1416	1.022
2	n-Propanol	1664	1.749



Ethanol 0.196 g/100mL



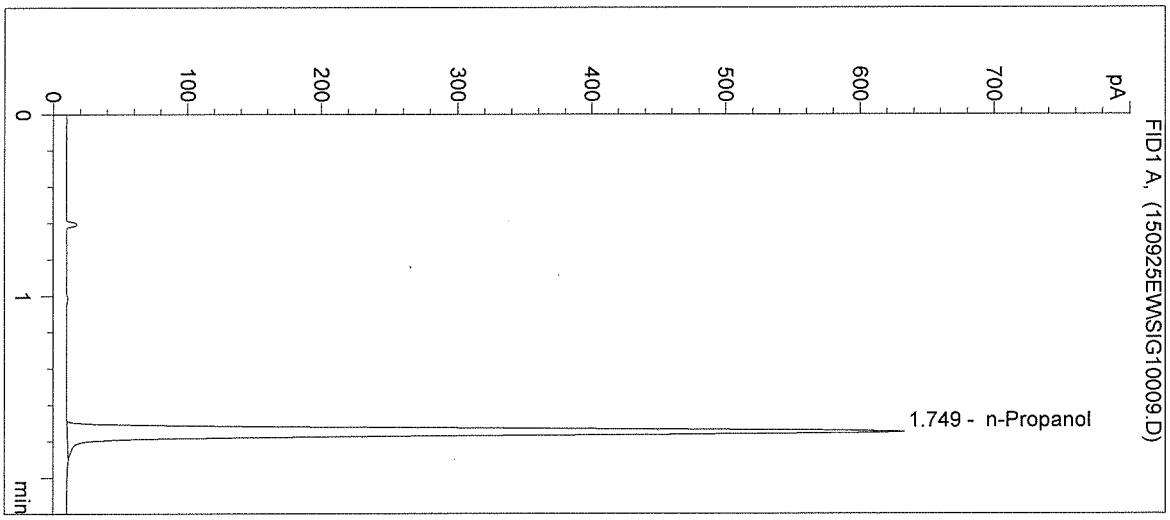
n-Propanol 0.012 g/100mL

EW

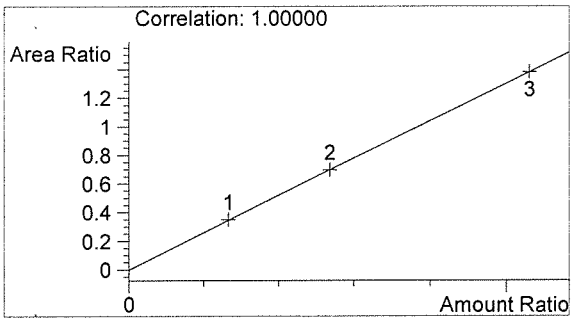
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/25/2015 3:03:09 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 15040

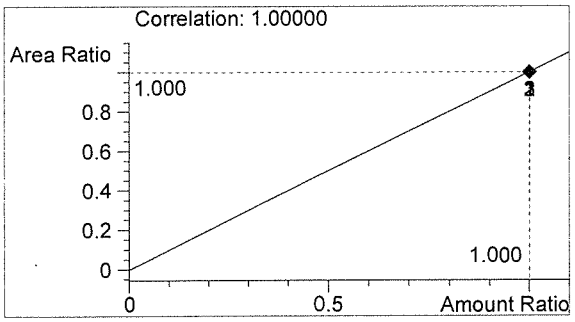
Sample Name: NEG CTRL
Operator: Elizabeth Wehner
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1682	1.749



Ethanol 0.000 g/100mL



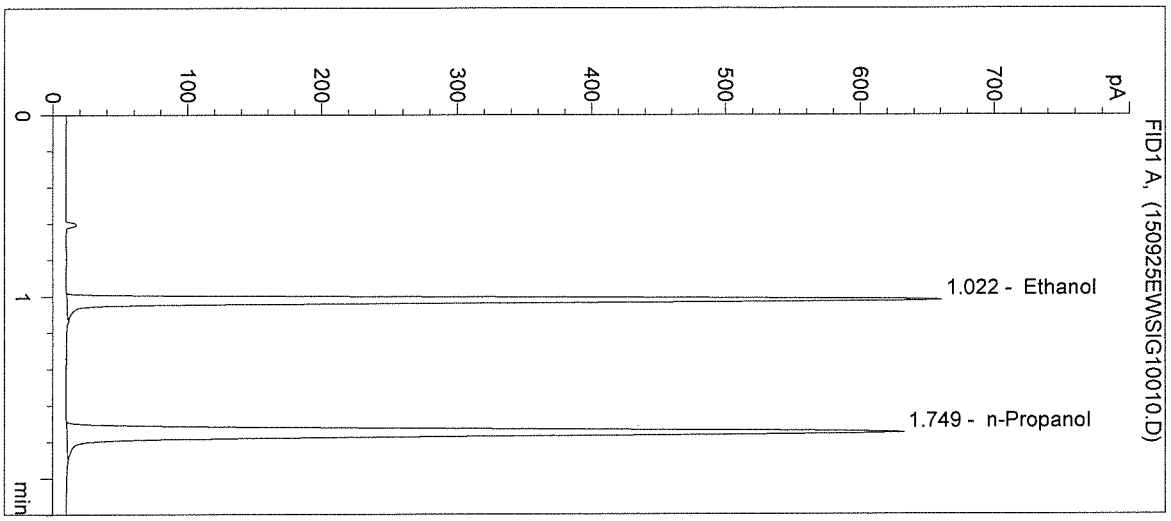
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\2\DATA\150925EW\SIG10009.D

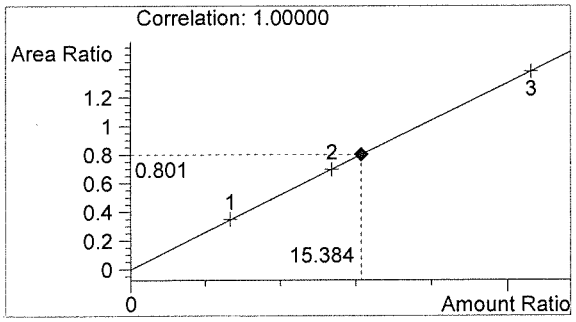
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/25/2015 3:06:22 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

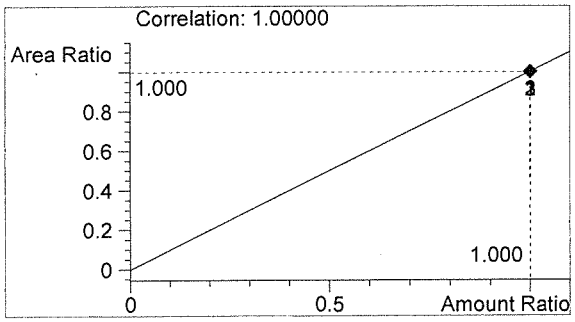
Sample Name: 15040 #1
Operator: Elizabeth Wehner
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	1346	1.022
2	n-Propanol	1680	1.749



Ethanol 0.185 g/100mL



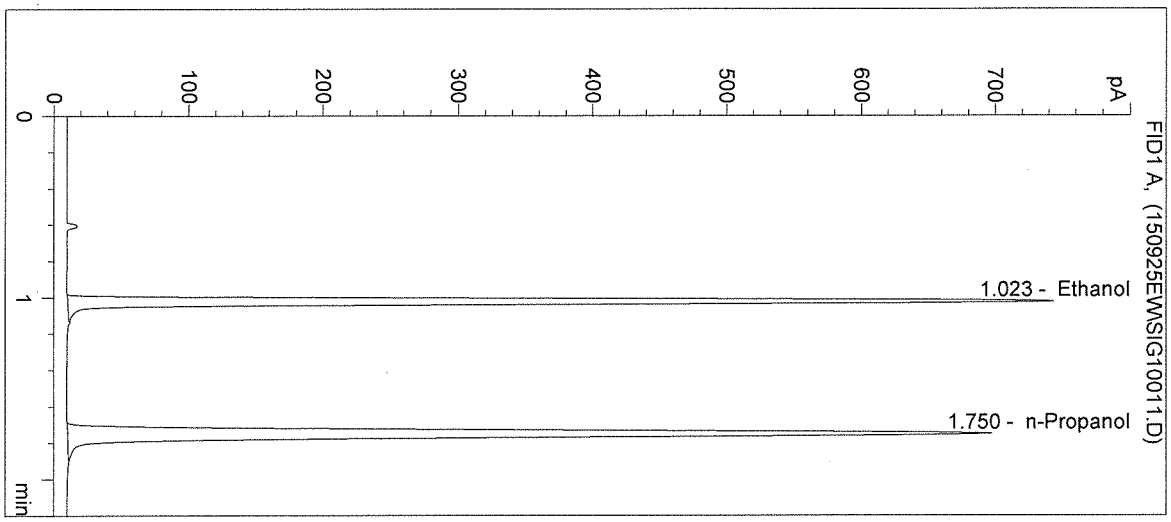
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\2\DATA\150925EW\SIG10010.D

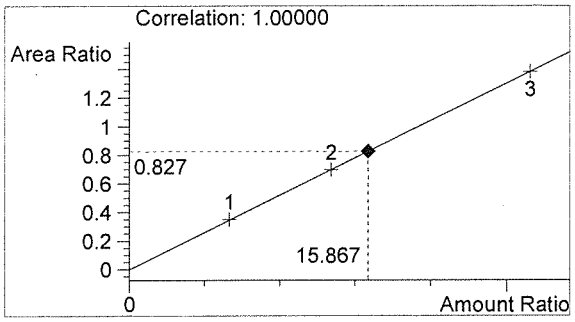
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/25/2015 3:09:35 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

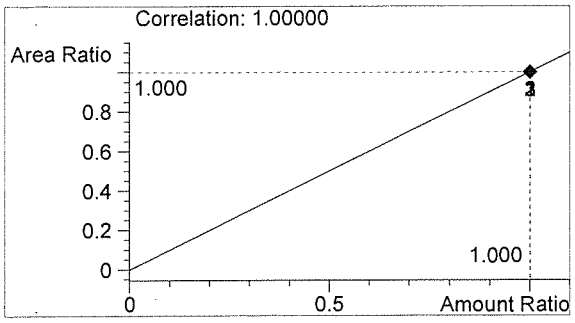
Sample Name: 15040 #2
Operator: Elizabeth Wehner
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	1537	1.023
2	n-Propanol	1860	1.750



Ethanol 0.190 g/100mL



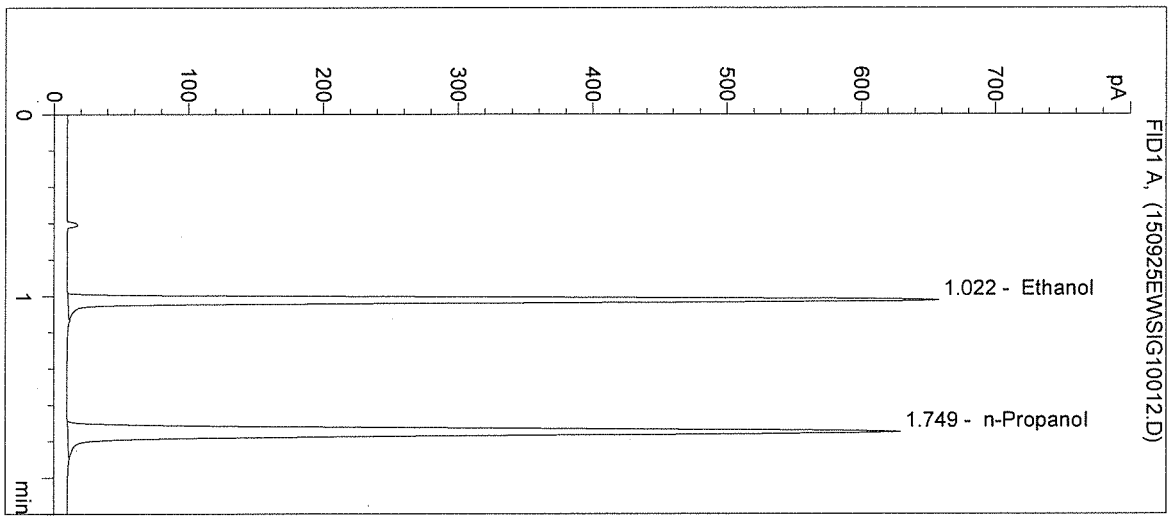
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\2\DATA\150925EW\SIG10011.D

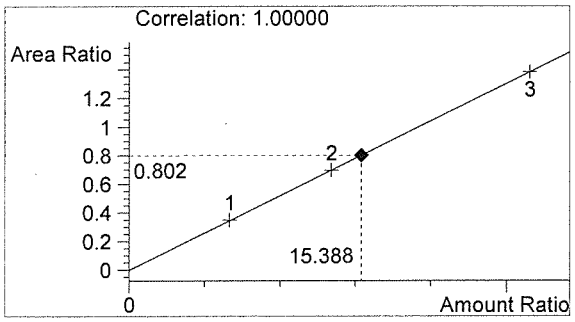
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/25/2015 3:12:49 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

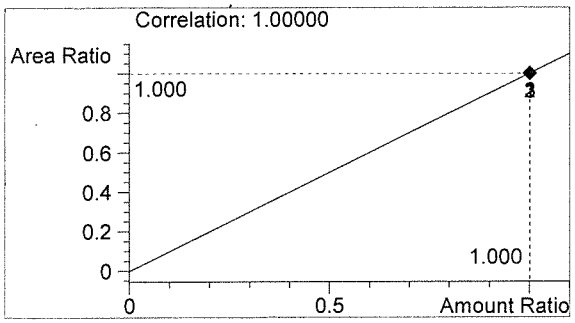
Sample Name: 15040 #3
Operator: Elizabeth Wehner
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	1339	1.022
2	n-Propanol	1671	1.749



Ethanol 0.185 g/100mL



n-Propanol 0.012 g/100mL

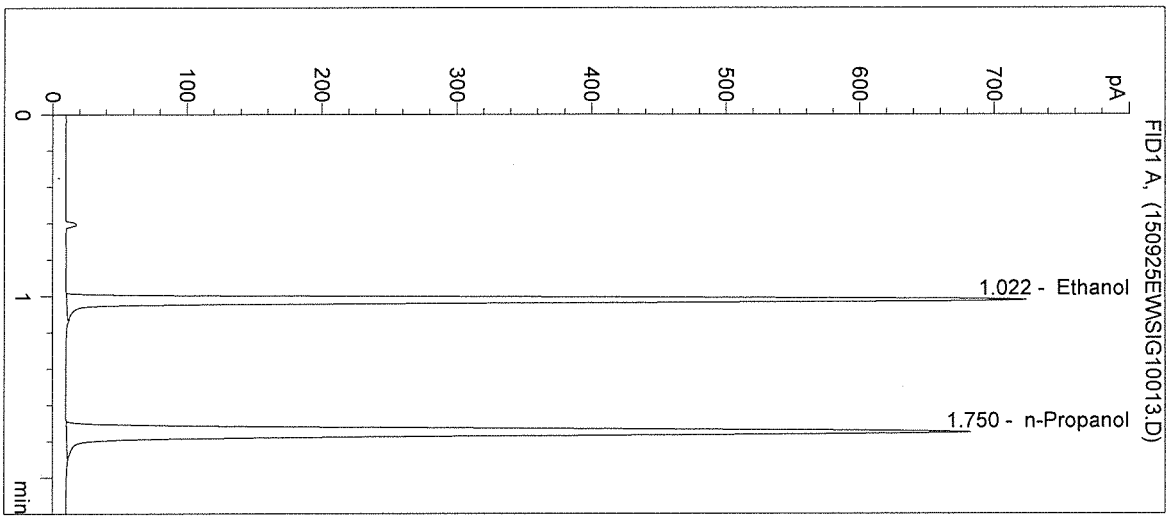
EW

Data File: C:\HPCHEM\2\DATA\150925EW\SIG10012.D

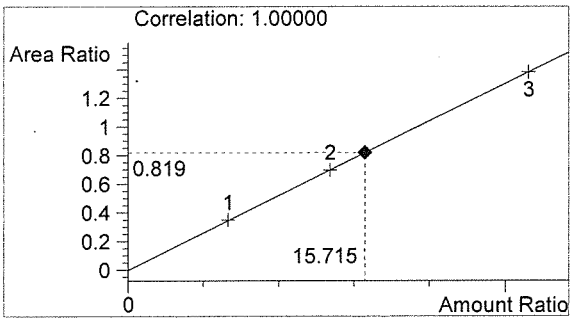
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/25/2015 3:16:02 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

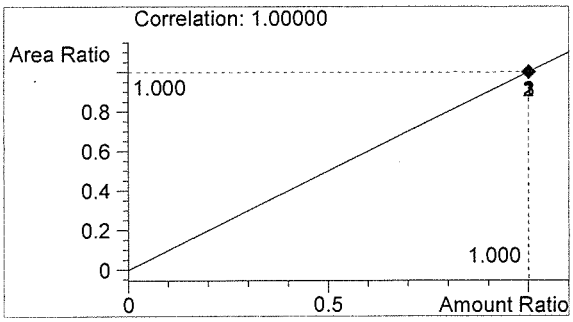
Sample Name: 15040 #4
Operator: Elizabeth Wehner
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	1487	1.022
2	n-Propanol	1816	1.750



Ethanol 0.189 g/100mL



n-Propanol 0.012 g/100mL

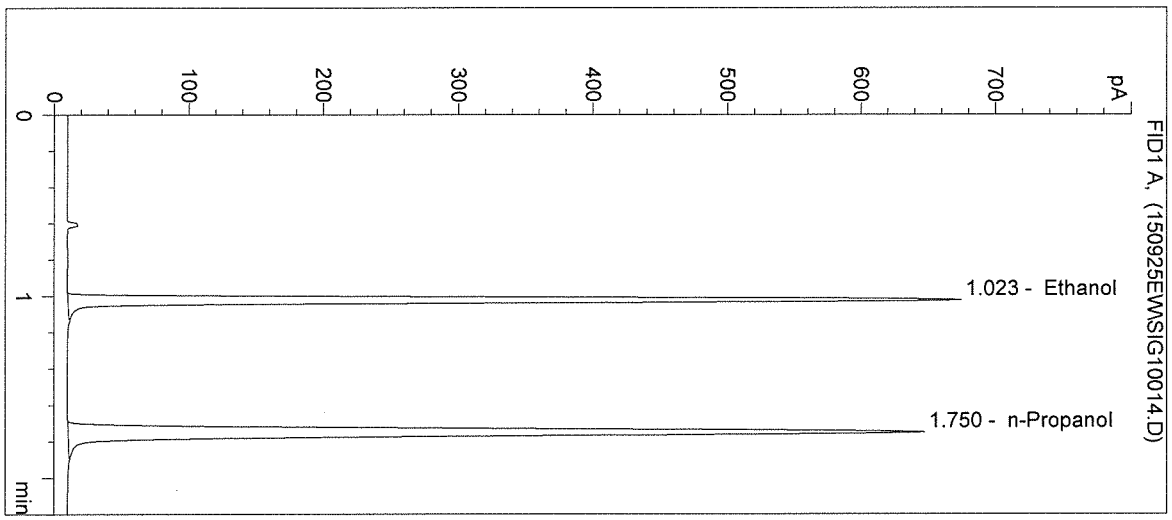
EW

Data File: C:\HPCHEM\2\DATA\150925EW\SIG10013.D

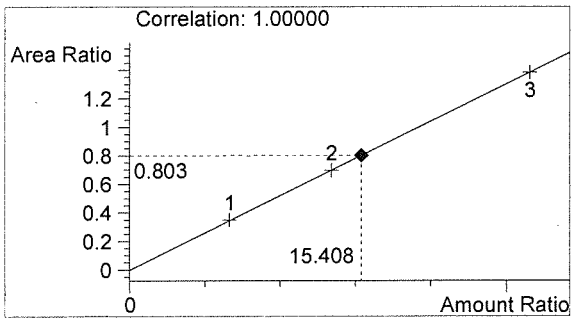
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/25/2015 3:19:16 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

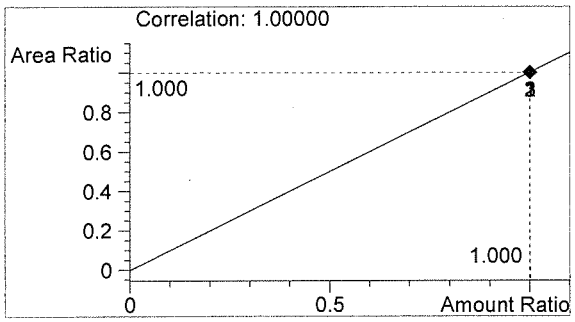
Sample Name: 15040 #5
Operator: Elizabeth Wehner
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	1384	1.023
2	n-Propanol	1725	1.750



Ethanol 0.185 g/100mL



n-Propanol 0.012 g/100mL

EW

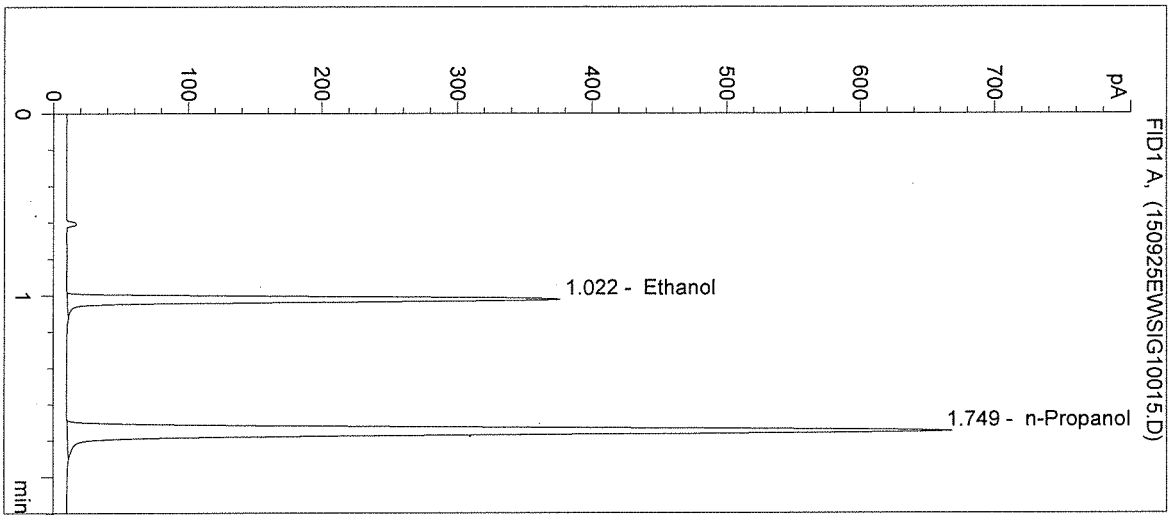
Data File: C:\HPCHEM\2\DATA\150925EW\SIG10014.D

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

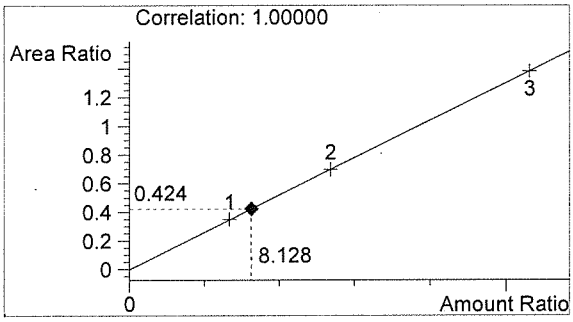
Inj. Date: 9/25/2015 3:22:28 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: POS CTRL: 0.10 g/100mL
15040

Sample Name: POS CTRL (0.10)
Operator: Elizabeth Wehner
Location: Vial 15

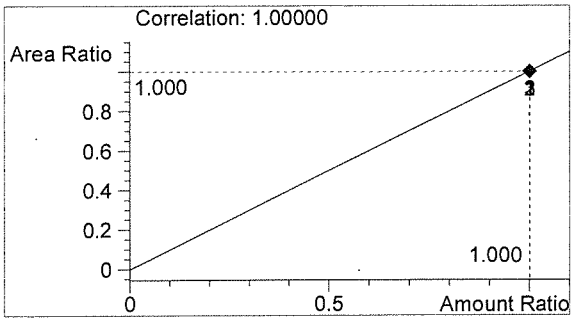
->



#	Compound	Peak Area	RT (min)
1	Ethanol	752	1.022
2	n-Propanol	1774	1.749



Ethanol 0.098 g/100mL



n-Propanol 0.012 g/100mL

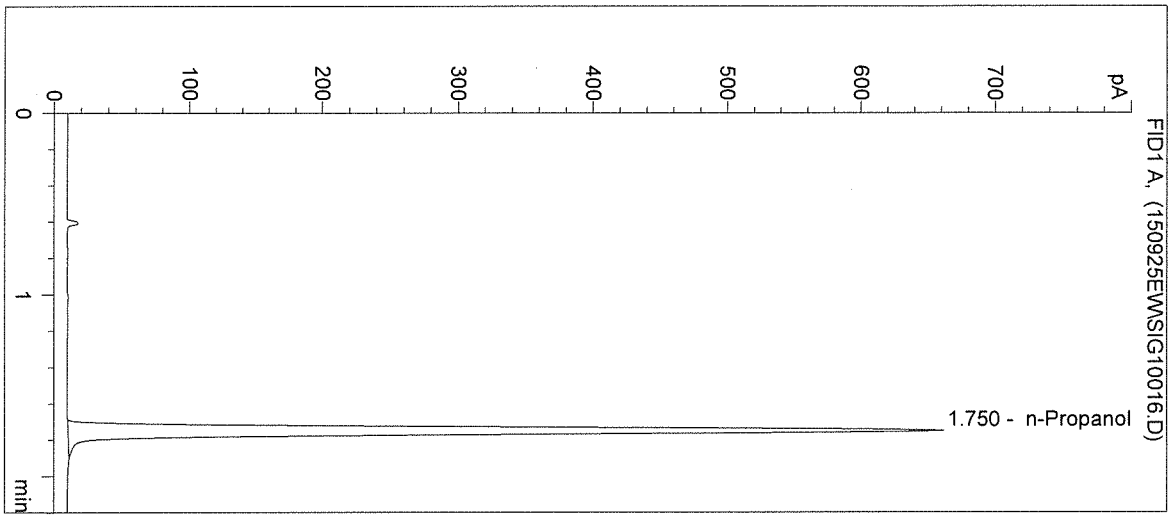
Data File: C:\HPCHEM\2\DATA\150925EW\SIG10015.D

EW

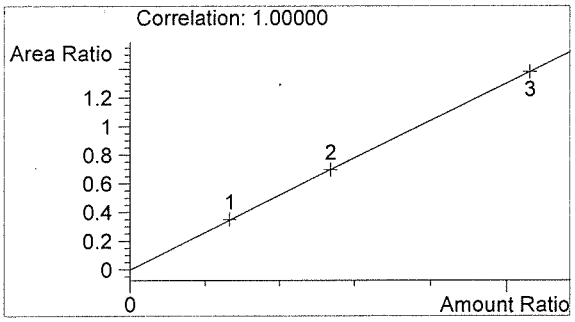
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/25/2015 3:25:42 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 15040

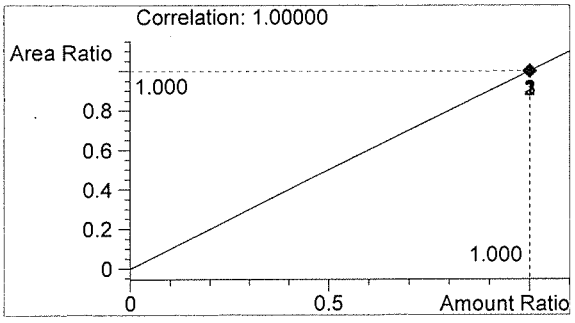
Sample Name: NEG CTRL
Operator: Elizabeth Wehner
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1763	1.750



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\2\DATA\150925EW\SIG10016.D