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

QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 15004

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: 0.04 g/210L
DATE PREPARED: 01/13/2015
BATCH UNITS: g/100mL
IDENTITY: QAP Solution
PREPARED BY: Elizabeth Wehner

	EW	DN	NN
1	0.050	0.050	0.050
2	0.050	0.050	0.049
3	0.050	0.051	0.050
4	0.051	0.051	0.050
5	0.050	0.050	0.050
C	0.102	0.102	0.102

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

RESULTS OF TESTING
AVERAGE SOLUTION CONCENTRATION: 0.0501 g/100mL
STANDARD DEVIATION: 0.00052
PRECISION CV (%): 1.03
NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.0408 g/210L**
EXPANDED UNCERTAINTY: ± 0.0008 (k=2, 95.45% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

Lisa Noble Forensic Scientist Supervisor

2/4/15
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
EW	Elizabeth Wehner	Elizabeth Wehner	01/13/2015
DN	David Nguyen		01/14/2015
NN	Naziha Nuwayhid		01/14/2015

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

QAP Solution Batch #: 15004 **Date Prepared:** 1/13/2015

Analyst:	EW	DN	NN
Date Tested:	1/13/2015	1/14/2015	1/14/2015
Instrument:	HSGC #3	HSGC #3	HSGC #3
1	0.050	0.050	0.050
2	0.050	0.050	0.049
3	0.050	0.051	0.050
4	0.051	0.051	0.050
5	0.050	0.050	0.050
C	0.102	0.102	0.102

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000070733	0.0000000000	0.0001016326

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

Average Solution Concentration: 0.0501 g/100mL
Standard Deviation: 0.00052 g/100mL
Precision CV (%): 1.03
Equivalent Vapor Concentration: 0.0408 g/210L
Combined Standard Uncertainty (±): 0.0004 g/210L
Expanded Uncertainty (±): 0.0008 coverage factor (k) =2 (95.45% level of confidence)

Calculations performed by: Lisa Noble (Name) [signature] (Signature) 1/27/15 (Date)

Calculations verified by: Amanda M. Black (Name) [signature] (Signature) 2-2-2015 (Date) Method: Hand calculation

Tech. review performed by: Lisa Noble (Name) [signature] (Signature) 1/27/15 (Date)

Washington State Patrol Toxicology Laboratory Division

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda N. Black **Date:** 2-2-2015

Location: WSP-FLSB Seattle, WA **Solution Batch Number:** 15004

	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:** 2-2-2015

Washington State Patrol Toxicology Laboratory Division

SOLUTION CERTIFICATE REVIEW

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

Please initial and date below to affirm that you have:

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

	Initials	Date
Amanda Chandler		
Andrew Gingras		
Asa Louis		
Brittany Thomas		
Christie Mitchell-Mata		
Christopher Johnston		
David Nguyen	DN	1/28/15
Dawn Sklerov		
Elizabeth Wehner	EW	01/28/15
Justin Knoy		
Katie Harris		
Lyndsey Lowe		
Naziha Nuwayhid	NN	1.28.15
Rebecca Flaherty		

Batch # 150104 fn 1/28/15

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

0.04 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION CERTIFICATION FOR LOT 15004

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 15004, was prepared in the Washington State Toxicology Laboratory on 1/13/2015. 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 1/13/2016.

Seattle, WA

Elizabeth Wehner 01/28/15

Elizabeth Wehner 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

0.04 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION CERTIFICATION FOR LOT 15004

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 quality assurance procedure (QAP) solution, Lot Number 15004, was prepared in the Washington State Toxicology Laboratory on 1/13/2015. 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 1/13/2016.

Seattle, WA

David Nguyen — 1/28/15
Forensic Scientist — Date

JAY INSLEE
Governor

JOHN R. BATISTE
Chief

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0.04 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION CERTIFICATION FOR LOT 15004

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, one year in clinical toxicology and more than ten years in forensic toxicology. I am also board certified by the American Board of Clinical Chemistry.

The quality assurance procedure (QAP) solution, Lot Number 15004, was prepared in the Washington State Toxicology Laboratory on 1/13/2015. 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 1/13/2016.

Seattle, WA

1.28.15

Naziha Nuwayhid 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: 01/13/15 Expiration Date: 01/13/16 Initials of Preparer: EW

Lot # of 200-proof Ethanol used in preparation: 2DG0231

Date the 200-proof Ethanol bottle was opened: 12/03/14

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

Environmental conditions verified as acceptable: ☑

Simulator Solution	Volume of Ethanol (mL)	Volume of Deionized Water (L)		Batch Number
QAP 0.04	11.2	18	☑	15004
QAP 0.08	22.4	18	☑	15005
QAP 0.10	28.1	18	☑	15006
QAP 0.15	42.1	18	☑	15007
QAP 0.20	56.1	18	☑	15008
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 ☑ 01/13/15 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:

Elizabeth Wehner
Analyst Signature

01/13/15
Date

Sequence: C:\HPCHEM\2\SEQUENCE\EW-QAP.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:	150113EW
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# E0814-01 - EXP 02/19/2015
CAL 2: 0.158 g/100mL - LOT# E0814-02 - EXP 02/19/2015
CAL 3: 0.316 g/100mL - LOT# E0814-03 - EXP 02/19/2015

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# P1114 - EXP 02/20/2015

Vials# 1-9 are filed with 15004

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	15004 #1	SIMALC3	1	Sample		
11	Vial 11	15004 #2	SIMALC3	1	Sample		
12	Vial 12	15004 #3	SIMALC3	1	Sample		
13	Vial 13	15004 #4	SIMALC3	1	Sample		
14	Vial 14	15004 #5	SIMALC3	1	Sample		
15	Vial 15	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC3	1	Ctrl Samp		
17	Vial 17	15005 #1	SIMALC3	1	Sample		
18	Vial 18	15005 #2	SIMALC3	1	Sample		
19	Vial 19	15005 #3	SIMALC3	1	Sample		
20	Vial 20	15005 #4	SIMALC3	1	Sample		
21	Vial 21	15005 #5	SIMALC3	1	Sample		
22	Vial 22	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC3	1	Ctrl Samp		
24	Vial 24	15006 #1	SIMALC3	1	Sample		

15004
1/27/15

EW

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

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
25	Vial 25	15006 #2	SIMALC3	1	Sample		
26	Vial 26	15006 #3	SIMALC3	1	Sample		
27	Vial 27	15006 #4	SIMALC3	1	Sample		
28	Vial 28	15006 #5	SIMALC3	1	Sample		
29	Vial 29	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC3	1	Ctrl Samp		
31	Vial 31	15007 #1	SIMALC3	1	Sample		
32	Vial 32	15007 #2	SIMALC3	1	Sample		
33	Vial 33	15007 #3	SIMALC3	1	Sample		
34	Vial 34	15007 #4	SIMALC3	1	Sample		
35	Vial 35	15007 #5	SIMALC3	1	Sample		
36	Vial 36	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
37	Vial 37	NEG CTRL	SIMALC3	1	Ctrl Samp		
38	Vial 38	15008 #1	SIMALC3	1	Sample		
39	Vial 39	15008 #2	SIMALC3	1	Sample		
40	Vial 40	15008 #3	SIMALC3	1	Sample		
41	Vial 41	15008 #4	SIMALC3	1	Sample		
42	Vial 42	15008 #5	SIMALC3	1	Sample		
43	Vial 43	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
44	Vial 44	NEG CTRL	SIMALC3	1	Ctrl Samp		

Calibration Part:

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

15004
1/27/15

EW

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

Calibration Table

Calib. Data Modified : Tuesday, January 13, 2015 11:16:06 AM

Calculate : Internal Standard
Based on : Peak Area

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

Curve Type : Linear
Origin : Included
Weight : Equal

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

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

Sample ISTD Information:

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

Signal 1: FID1 A,

RetTime [min]	Sig	Lvl	Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.019	1	1	7.95500e-2	567.91614	1.40073e-4		1	Ethanol
		2	1.59740e-1	1073.20410	1.48844e-4			
		3	3.21980e-1	2305.87598	1.39635e-4			
1.745	1	1	1.20000e-2	1546.82227	7.75784e-6		I1	n-Propanol
		2	1.20000e-2	1472.25903	8.15074e-6			
		3	1.20000e-2	1554.16089	7.72121e-6			

Peak Sum Table

No Entries in table

15004

fr 1/27/15

fr

EW

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Calibration Curves

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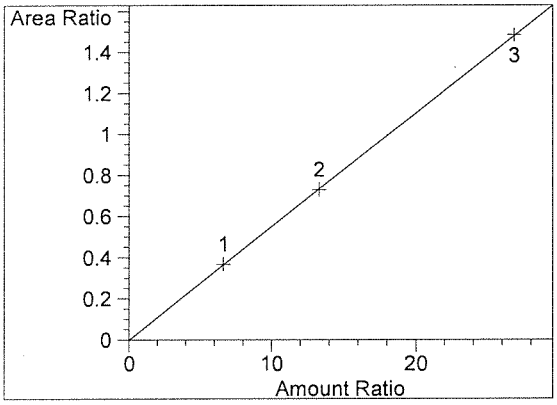
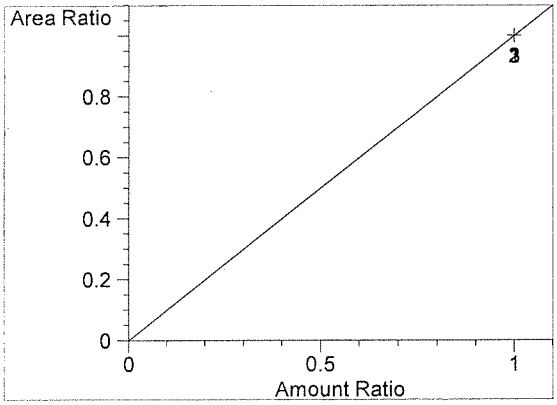


Ethanol at exp. RT: 1.019
FID1 A,
Correlation: 0.99998
Residual Std. Dev.: 0.00447
Formula: y = mx + b
m: 5.52590e-2
b: -1.20581e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.745
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

==========

15004

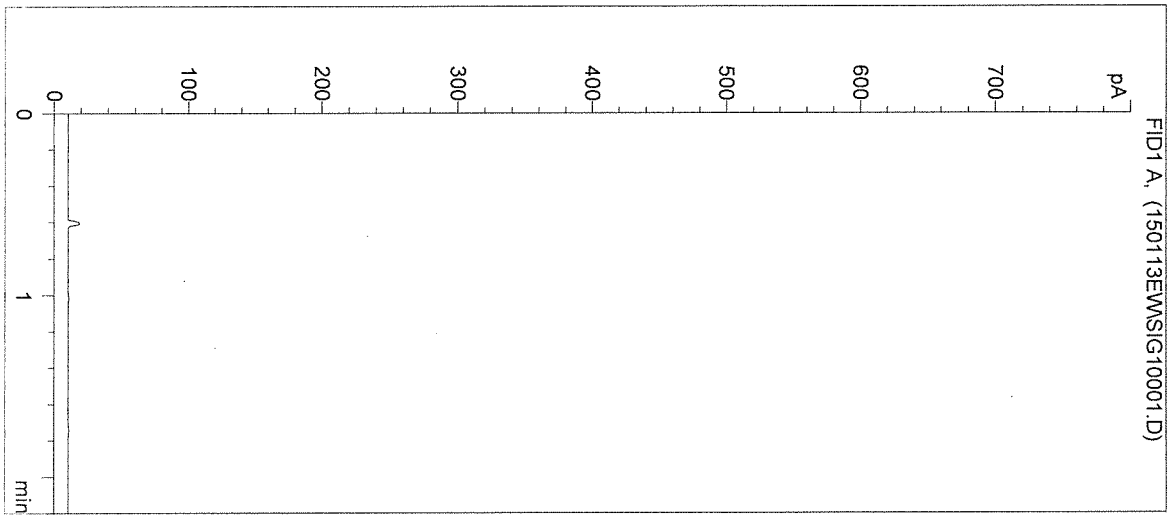
fm 1/27/15

EW

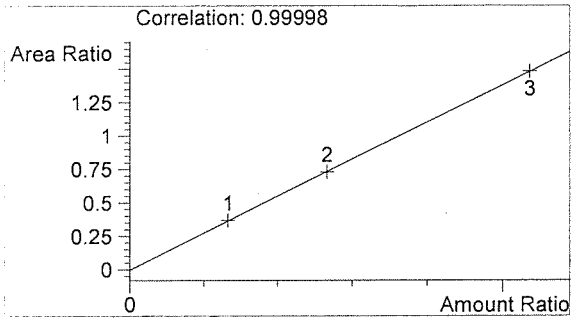
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/13/2015 11:04:01 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 15004

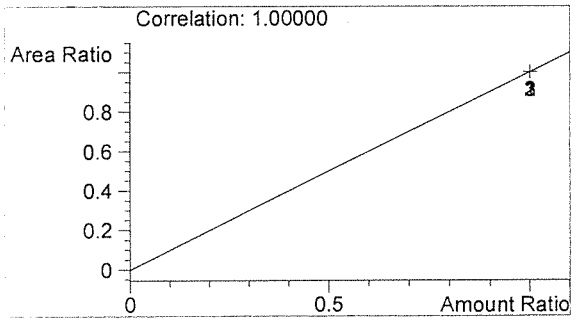
Sample Name: BLANK
Operator: Elizabeth Wehner
Location: Vial 1



#	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

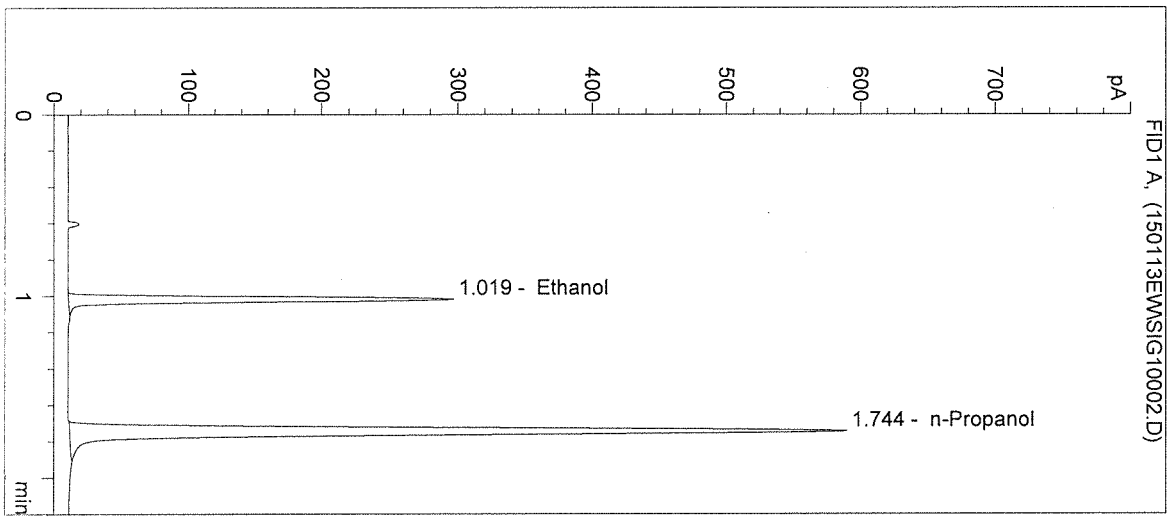
EW

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

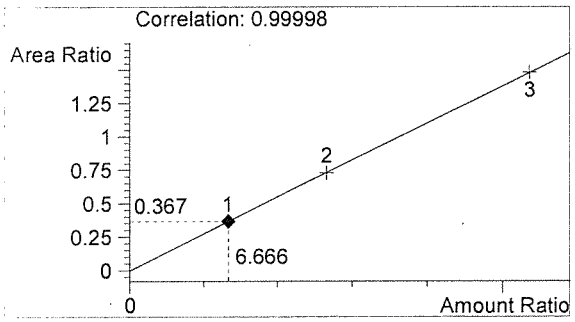
Inj. Date: 1/13/2015 11:07:20 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: CAL 1: 0.079 g/100mL
15004

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

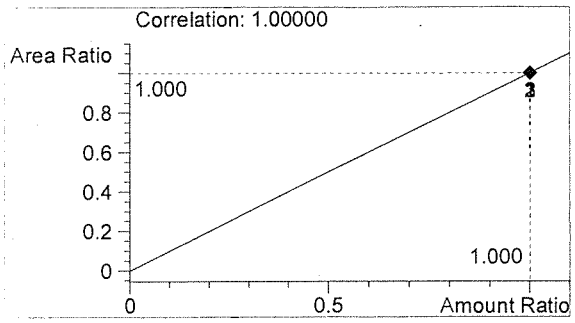
->



#	Compound	Peak Area	RT (min)
1	Ethanol	568	1.019
2	n-Propanol	1547	1.744



Ethanol 0.080 g/100mL



n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\2\DATA\150113EW\SIG10002.D

EW

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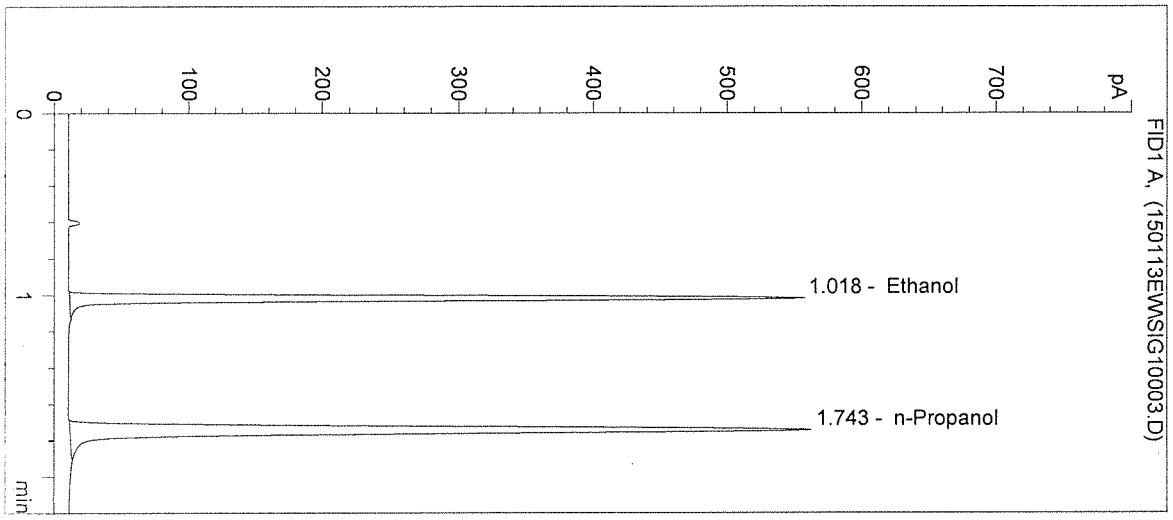
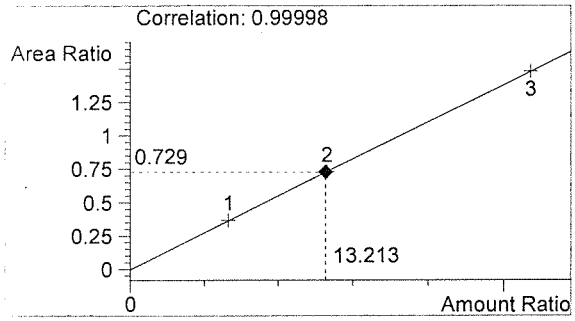
Inj. Date: 1/13/2015 11:10:36 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: CAL 2: 0.158 g/100mL
15004

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

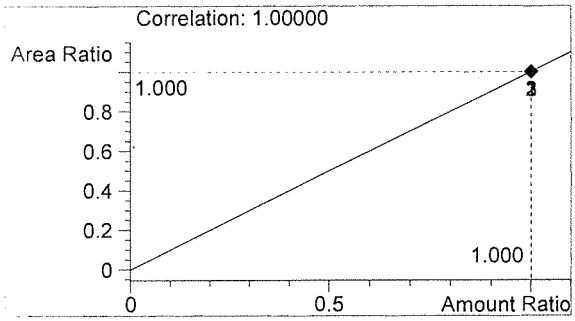
->



#	Compound	Peak Area	RT (min)
1	Ethanol	1073	1.018
2	n-Propanol	1472	1.743



Ethanol 0.159 g/100mL



n-Propanol 0.012 g/100mL

fn

EW

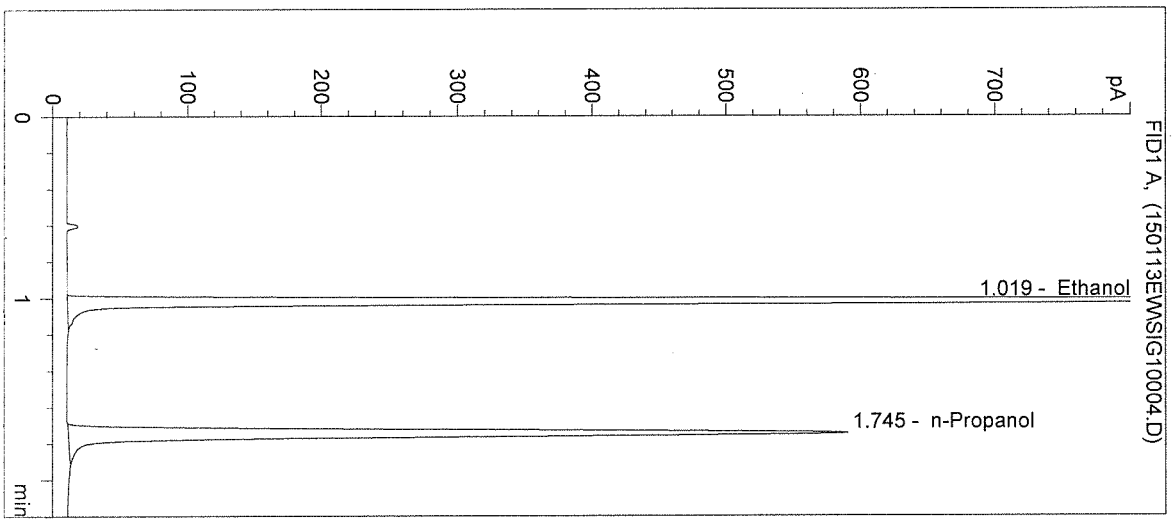
Data File: C:\HPCHEM\2\DATA\150113EW\SIG10003.D

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

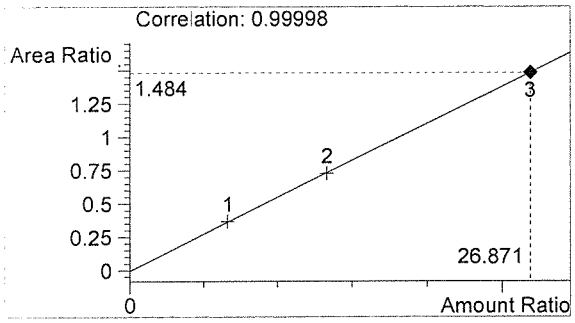
Inj. Date: 1/13/2015 11:13:53 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: CAL 3: 0.316 g/100mL
15004

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

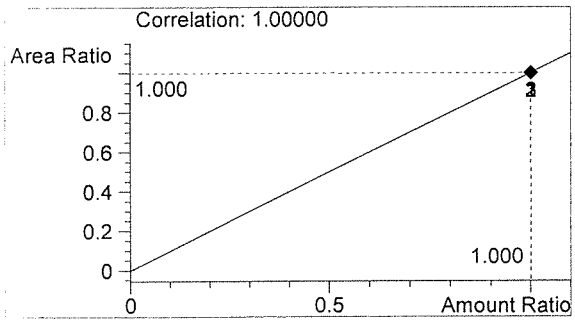
->



#	Compound	Peak Area	RT (min)
1	Ethanol	2306	1.019
2	n-Propanol	1554	1.745



Ethanol 0.322 g/100mL



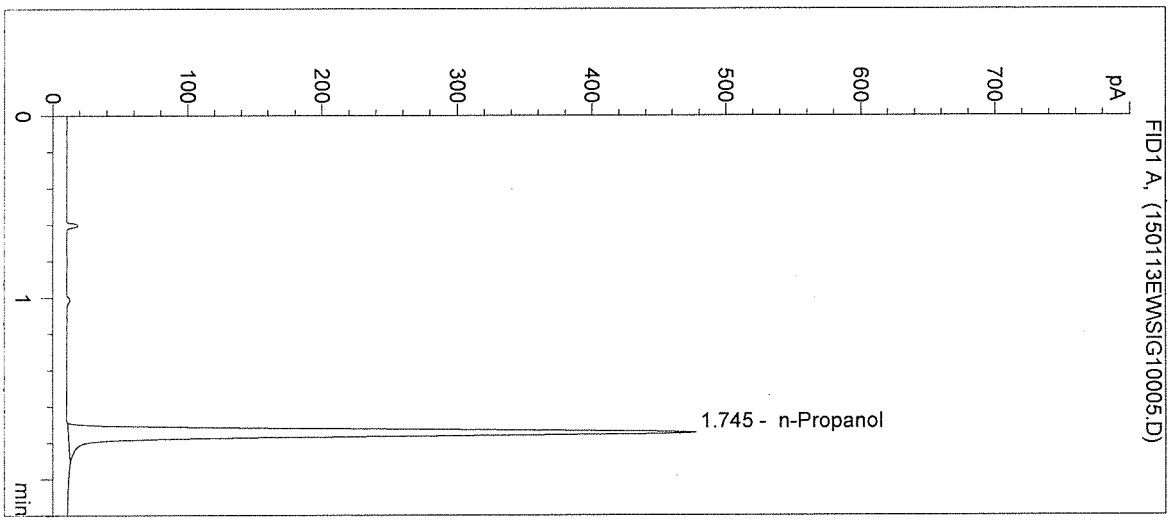
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\2\DATA\150113EW\SIG10004.D

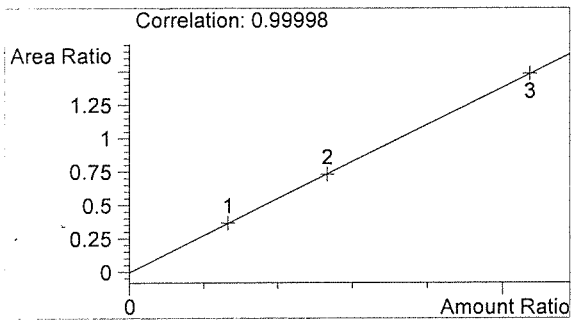
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/13/2015 11:17:07 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 15004

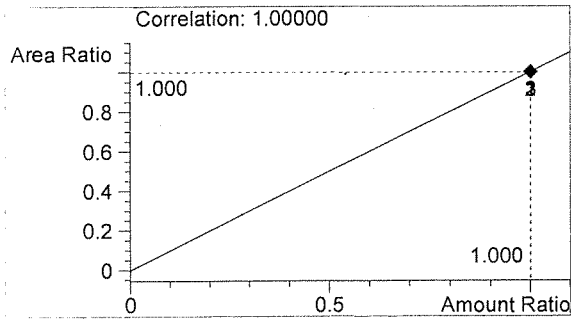
Sample Name: NEG CTRL
Operator: Elizabeth Wehner
Location: Vial 5



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1248	1.745



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

fh

EW

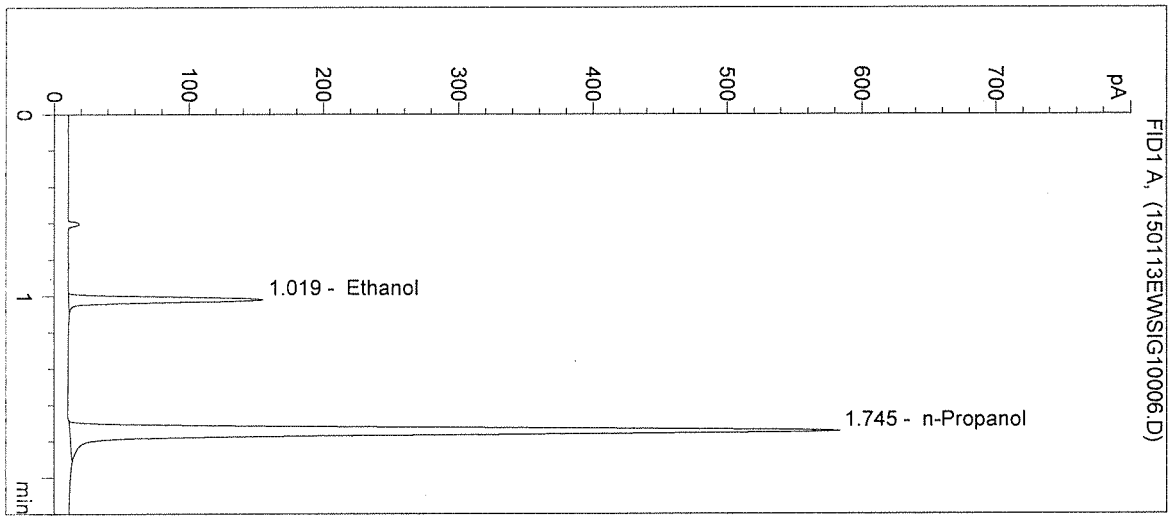
Data File: C:\HPCHEM\2\DATA\150113EW\SIG10005.D

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

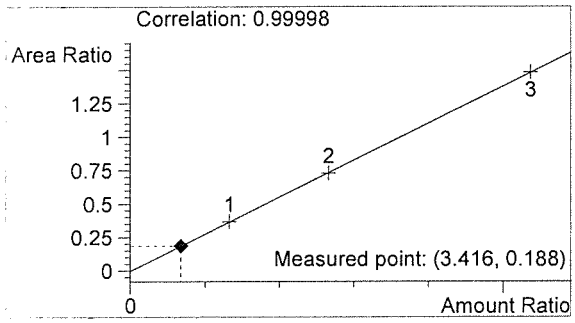
Inj. Date: 1/13/2015 11:20:20 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: CTRL 1: 0.04 g/100mL
15004

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

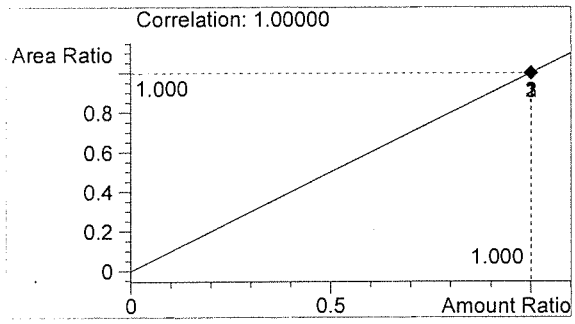
->



#	Compound	Peak Area	RT (min)
1	Ethanol	287	1.019
2	n-Propanol	1531	1.745



Ethanol 0.041 g/100mL



n-Propanol 0.012 g/100mL

fr

EW

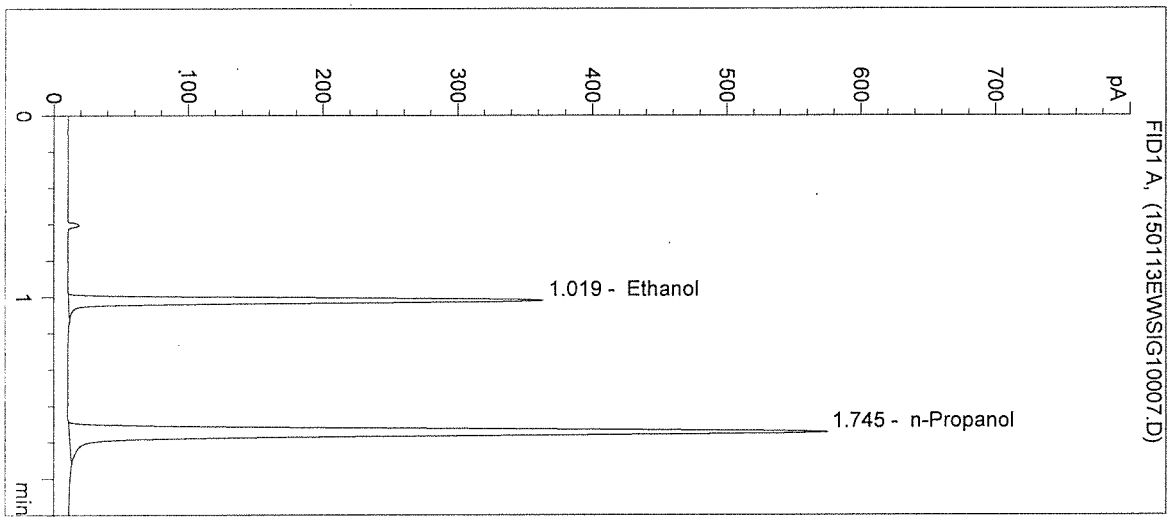
Data File: C:\HPCHEM\2\DATA\150113EW\SIG10006.D

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

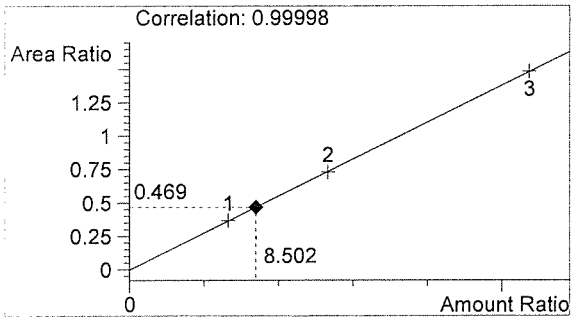
Inj. Date: 1/13/2015 11:23:34 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: CTRL 2: 0.10 g/100mL
15004

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

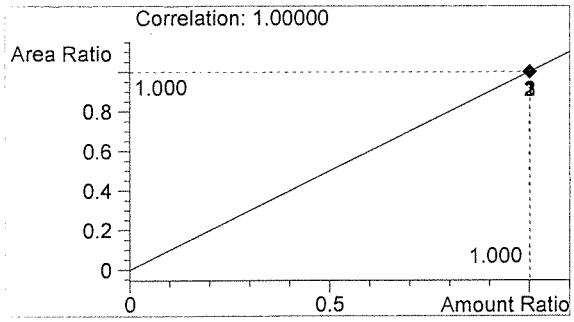
->



#	Compound	Peak Area	RT (min)
1	Ethanol	707	1.019
2	n-Propanol	1510	1.745



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

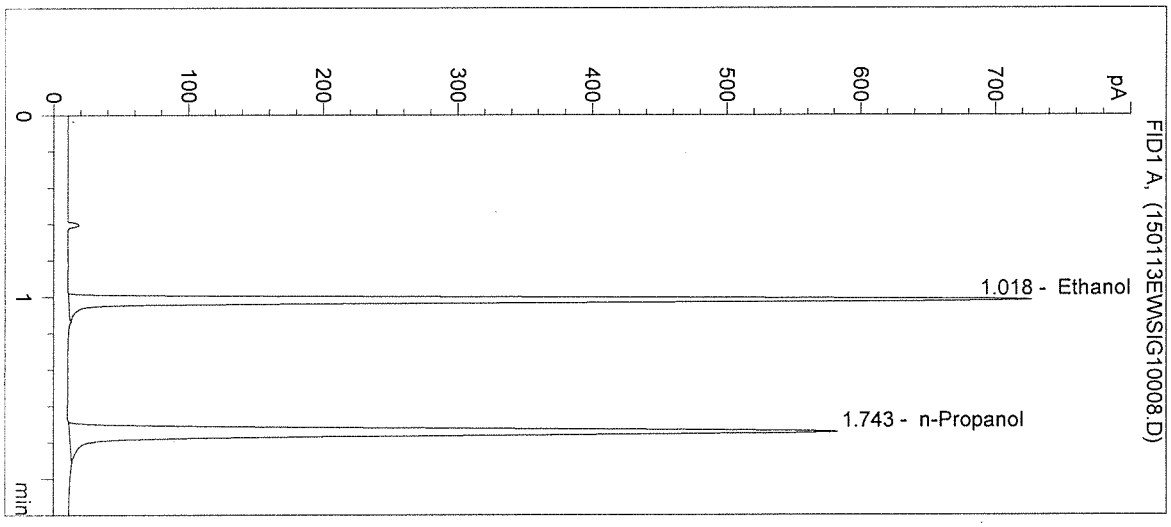
fr
EW

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

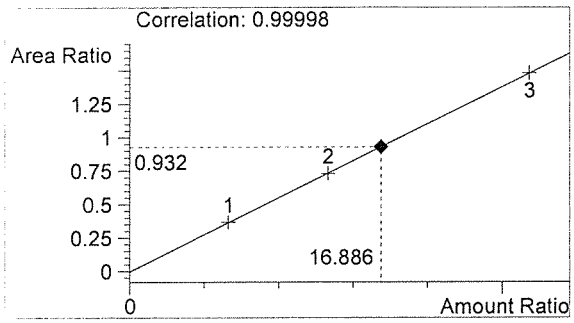
Inj. Date: 1/13/2015 11:26:47 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: CTRL 3: 0.20 g/100mL
15004

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

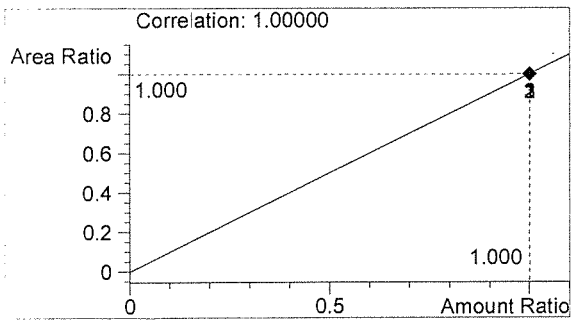
->



#	Compound	Peak Area	RT (min)
1	Ethanol	1419	1.018
2	n-Propanol	1522	1.743



Ethanol 0.203 g/100mL



n-Propanol 0.012 g/100mL

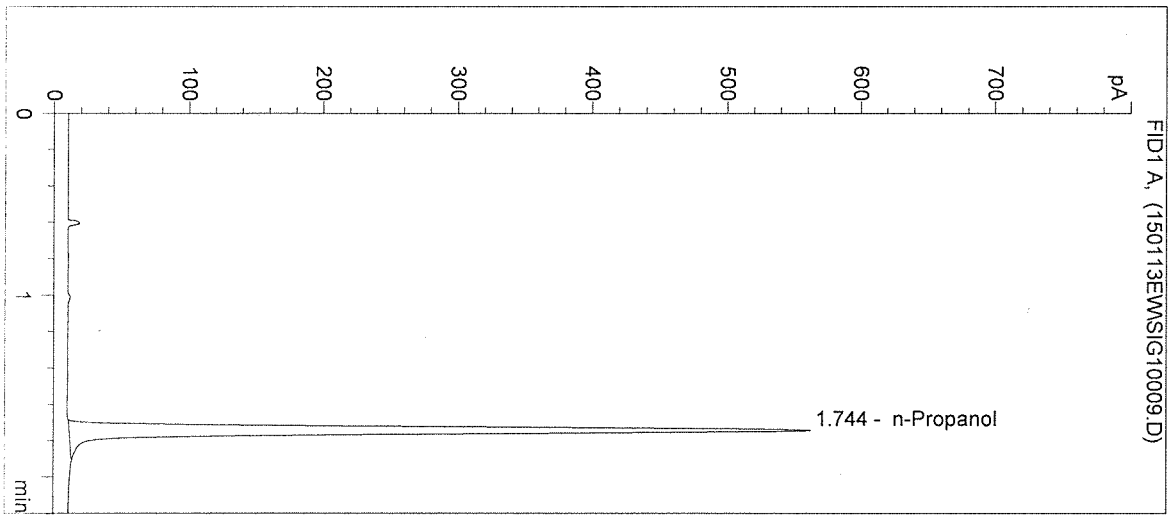
fh

EW

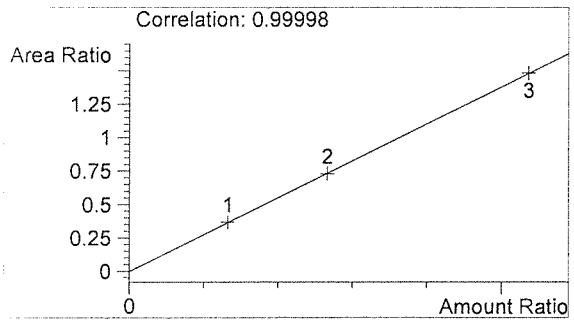
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/13/2015 11:30:00 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 15004

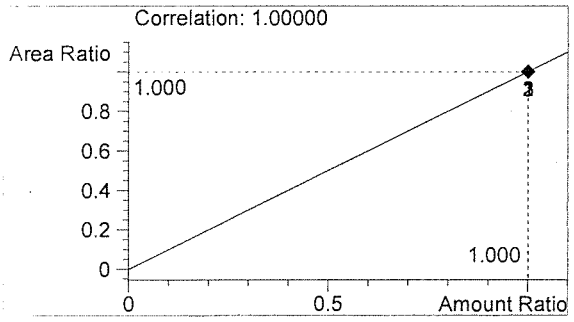
Sample Name: NEG CTRL
Operator: Elizabeth Wehner
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1473	1.744



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

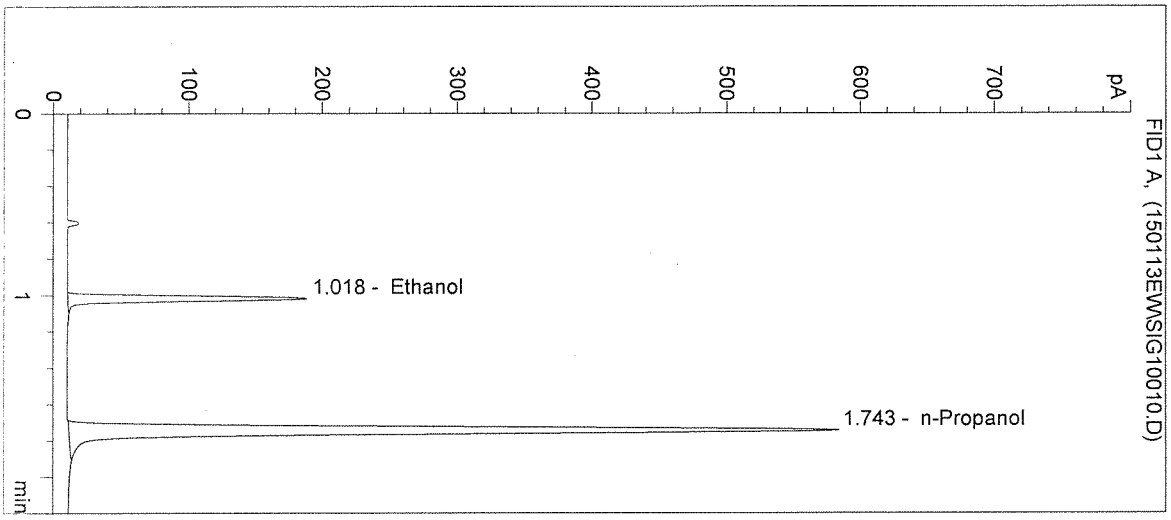
fh

EW

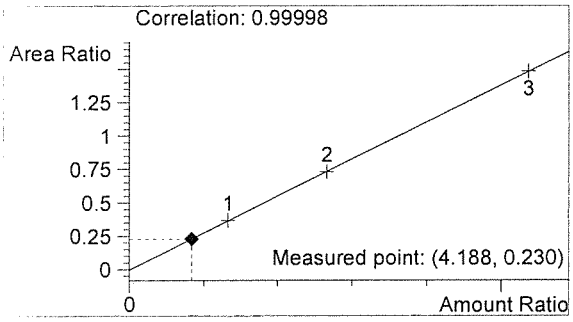
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/13/2015 11:33:14 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

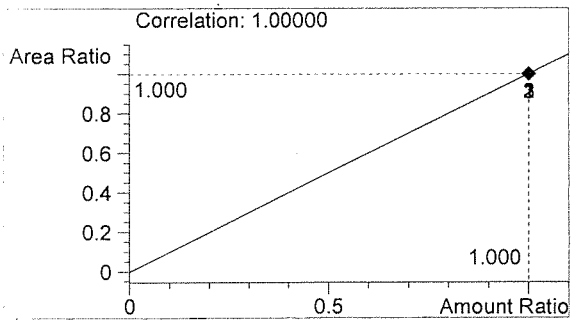
Sample Name: 15004 #1
Operator: Elizabeth Wehner
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	352	1.018
2	n-Propanol	1527	1.743



Ethanol 0.050 g/100mL



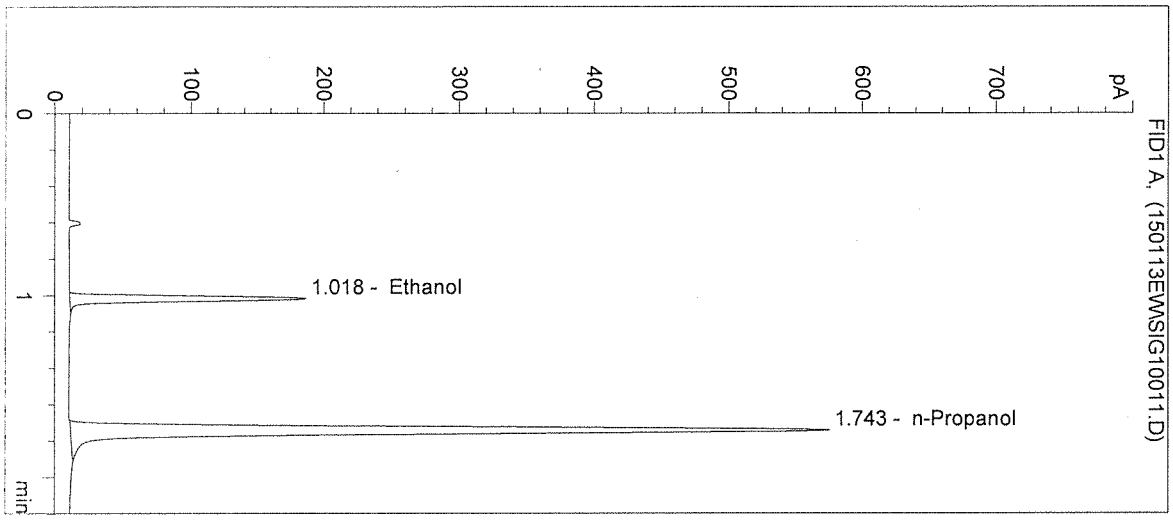
n-Propanol 0.012 g/100mL

fr

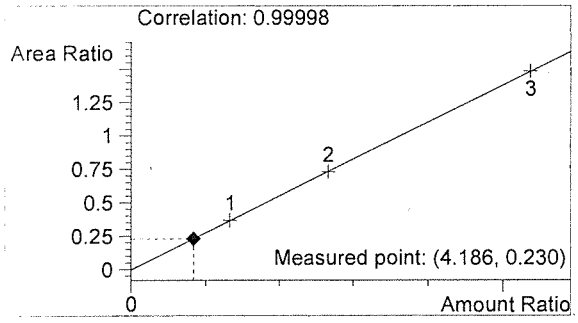
EW

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

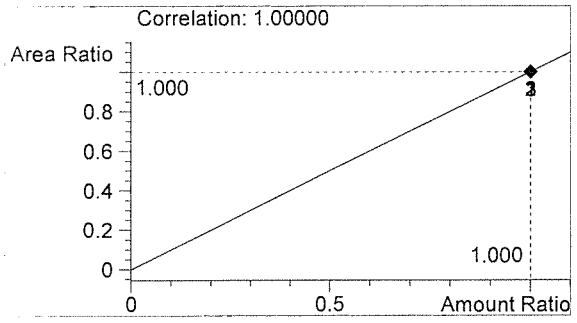
Inj. Date: 1/13/2015 11:36:27 AM Sample Name: 15004 #2
Instrument: HSGC#3 Operator: Elizabeth Wehner
Column: DB-ALC2 Location: Vial 11
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	347	1.018
2	n-Propanol	1510	1.743



Ethanol 0.050 g/100mL



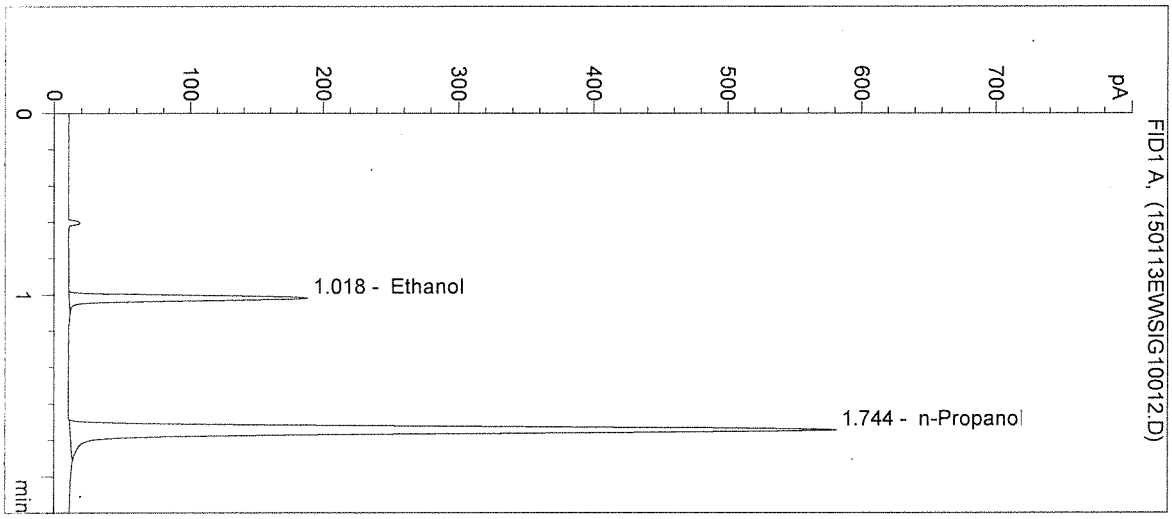
n-Propanol 0.012 g/100mL

fh

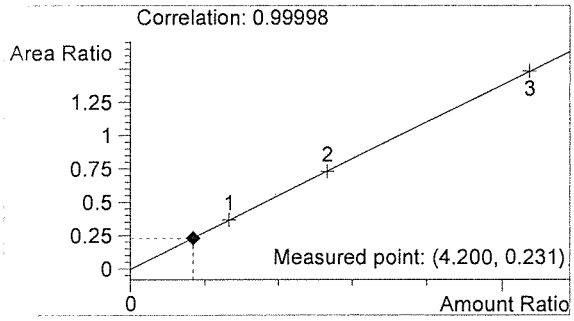
EW

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

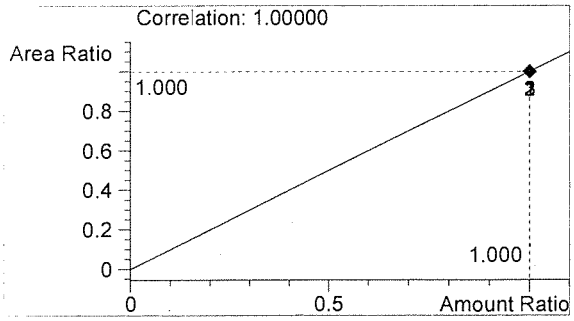
Inj. Date: 1/13/2015 11:39:40 AM Sample Name: 15004 #3
Instrument: HSGC#3 Operator: Elizabeth Wehner
Column: DB-ALC2 Location: Vial 12
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	353	1.018
2	n-Propanol	1528	1.744



Ethanol 0.050 g/100mL



n-Propanol 0.012 g/100mL

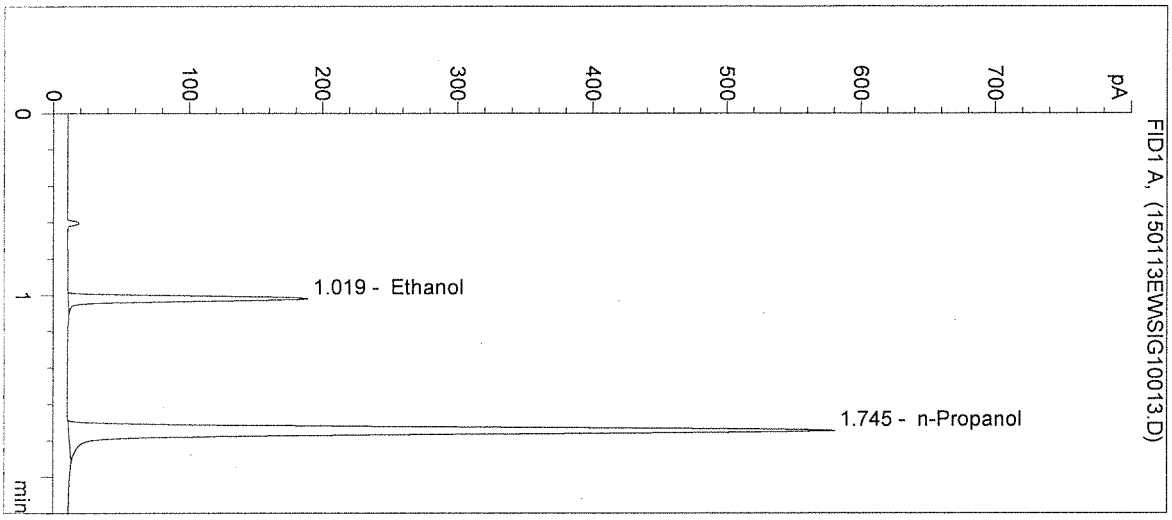
fw

EW

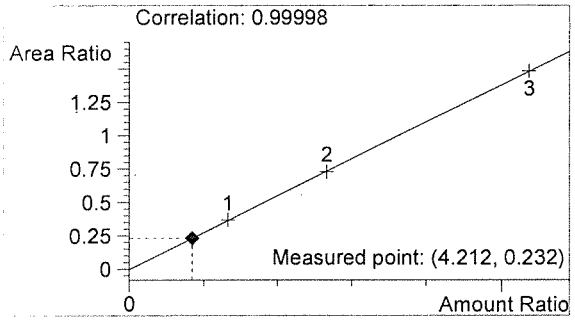
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/13/2015 11:42:54 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

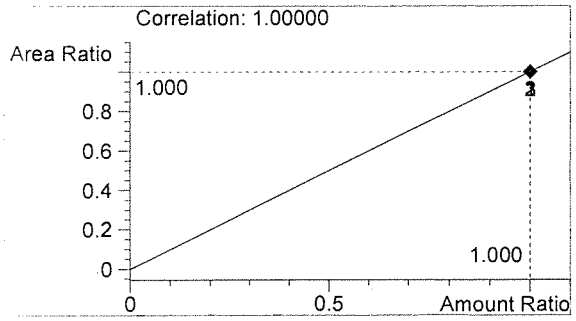
Sample Name: 15004 #4
Operator: Elizabeth Wehner
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	352	1.019
2	n-Propanol	1522	1.745



Ethanol 0.051 g/100mL



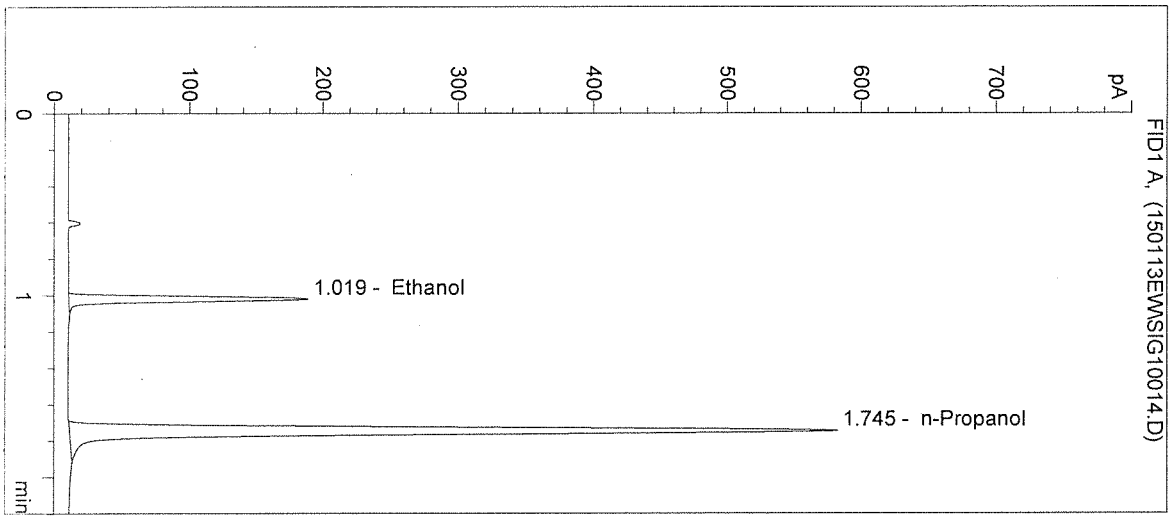
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\2\DATA\150113EW\SIG10013.D

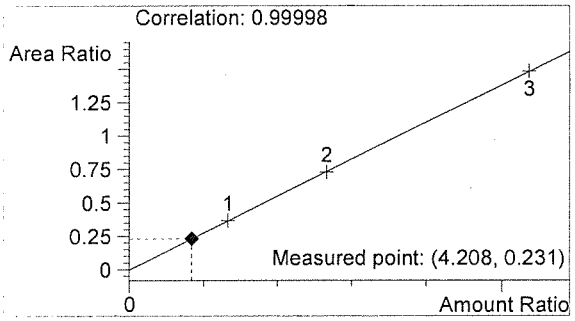
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/13/2015 11:46:07 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

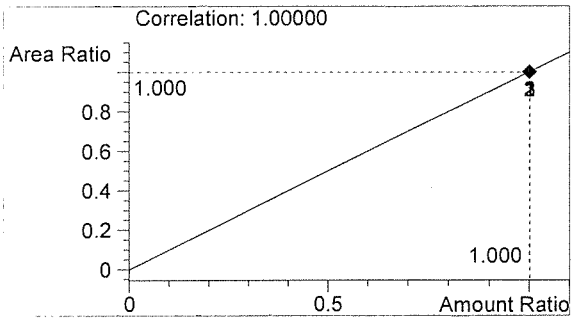
Sample Name: 15004 #5
Operator: Elizabeth Wehner
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	354	1.019
2	n-Propanol	1528	1.745



Ethanol 0.050 g/100mL



n-Propanol 0.012 g/100mL

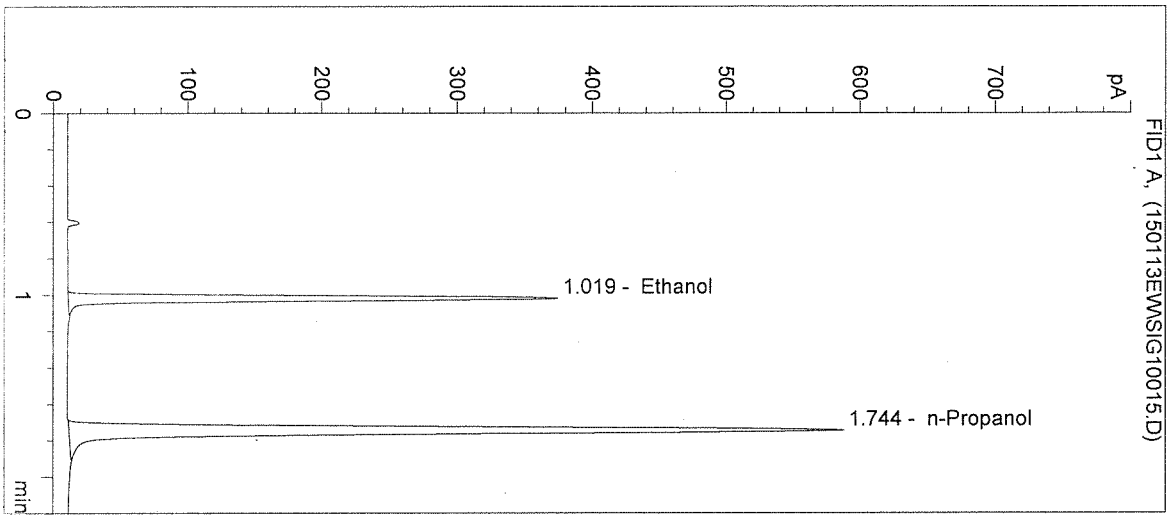
Data File: C:\HPCHEM\2\DATA\150113EW\SIG10014.D

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

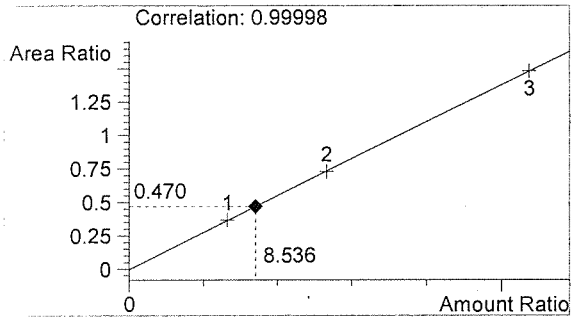
Inj. Date: 1/13/2015 11:49:20 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: POS CTRL: 0.10 g/100mL
15004

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

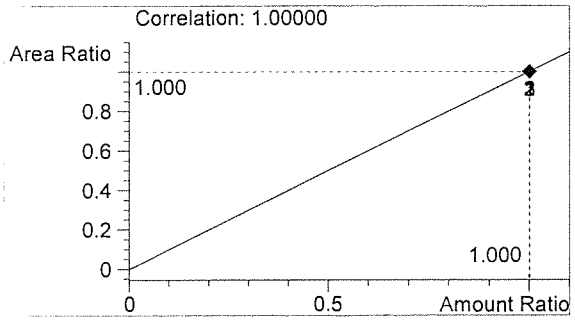
->



#	Compound	Peak Area	RT (min)
1	Ethanol	725	1.019
2	n-Propanol	1542	1.744



Ethanol 0.102 g/100mL



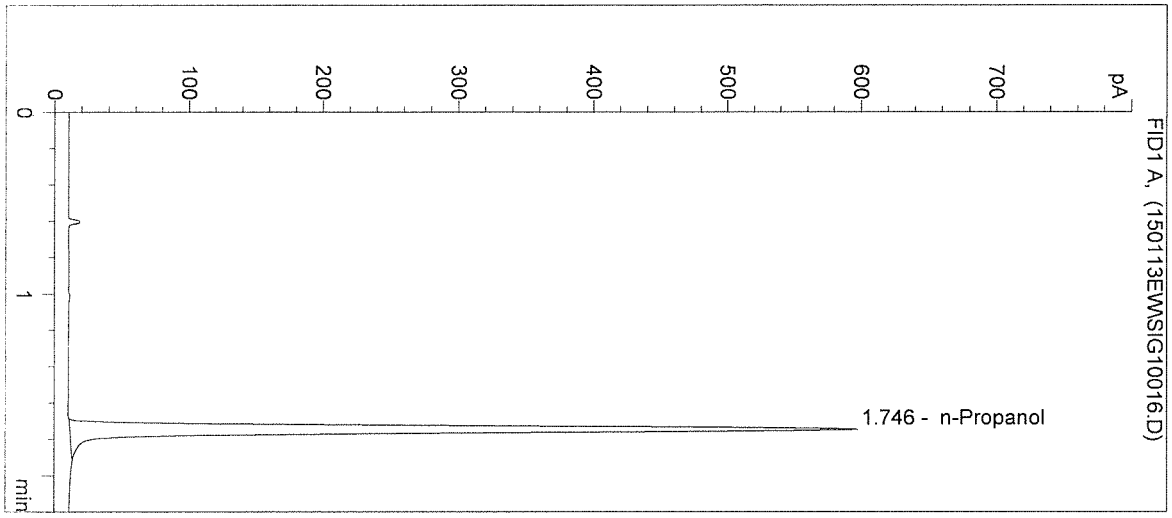
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\2\DATA\150113EW\SIG10015.D

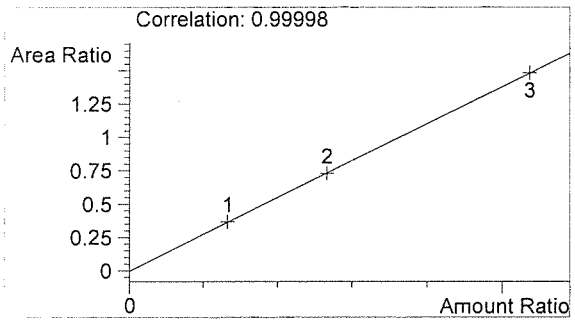
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/13/2015 11:52:34 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 15004

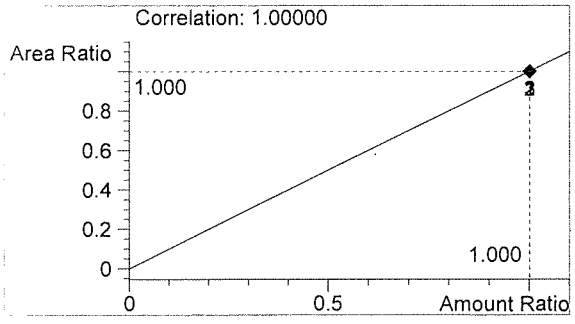
Sample Name: NEG CTRL
Operator: Elizabeth Wehner
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1564	1.746



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

EW

Sequence: C:\HPCHEM\2\SEQUENCE\DN-QAP.S

Sequence Parameters:

Operator:	David Nguyen
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Signal 1 Counter:	0001
Signal 2 Prefix:	SIG2
Signal 2 Counter:	0001
Data Directory:	C:\HPCHEM\2\DATA\
Data Subdirectory:	150114DN
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#: E0814-01 Exp. 02/19/2015
CAL 2: 0.158 g/100mL - Lot#: E0814-02 Exp. 02/19/2015
CAL 3: 0.316 g/100mL - Lot#: E0814-03 Exp. 02/19/2015

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#: P1114 Exp. 02/20/2015

Calibration vials 1-9 filed with 15004.

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	15004 #1	SIMALC3	1	Sample		
11	Vial 11	15004 #2	SIMALC3	1	Sample		
12	Vial 12	15004 #3	SIMALC3	1	Sample		
13	Vial 13	15004 #4	SIMALC3	1	Sample		
14	Vial 14	15004 #5	SIMALC3	1	Sample		
15	Vial 15	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC3	1	Ctrl Samp		
17	Vial 17	15005 #1	SIMALC3	1	Sample		
18	Vial 18	15005 #2	SIMALC3	1	Sample		
19	Vial 19	15005 #3	SIMALC3	1	Sample		
20	Vial 20	15005 #4	SIMALC3	1	Sample		
21	Vial 21	15005 #5	SIMALC3	1	Sample		
22	Vial 22	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC3	1	Ctrl Samp		
24	Vial 24	15006 #1	SIMALC3	1	Sample		

15004
1/27/15

DN

Sequence: C:\HPCHEM\2\SEQUENCE\DN-QAP.S

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
25	Vial 25	15006 #2	SIMALC3	1	Sample		
26	Vial 26	15006 #3	SIMALC3	1	Sample		
27	Vial 27	15006 #4	SIMALC3	1	Sample		
28	Vial 28	15006 #5	SIMALC3	1	Sample		
29	Vial 29	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC3	1	Ctrl Samp		
31	Vial 31	15007 #1	SIMALC3	1	Sample		
32	Vial 32	15007 #2	SIMALC3	1	Sample		
33	Vial 33	15007 #3	SIMALC3	1	Sample		
34	Vial 34	15007 #4	SIMALC3	1	Sample		
35	Vial 35	15007 #5	SIMALC3	1	Sample		
36	Vial 36	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
37	Vial 37	NEG CTRL	SIMALC3	1	Ctrl Samp		
38	Vial 38	15008 #1	SIMALC3	1	Sample		
39	Vial 39	15008 #2	SIMALC3	1	Sample		
40	Vial 40	15008 #3	SIMALC3	1	Sample		
41	Vial 41	15008 #4	SIMALC3	1	Sample		
42	Vial 42	15008 #5	SIMALC3	1	Sample		
43	Vial 43	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
44	Vial 44	NEG CTRL	SIMALC3	1	Ctrl Samp		

Calibration Part:

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

15004

1/27/15

DN

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

Calibration Table

Calib. Data Modified : Wednesday, January 14, 2015 9:43:33 AM

Calculate : Internal Standard
Based on : Peak Area

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

Curve Type : Linear
Origin : Included
Weight : Equal

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

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

Sample ISTD Information:

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

Signal 1: FID1 A,

RetTime [min]	Sig	Lvl	Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.019	1	1	7.95500e-2	558.82782	1.42352e-4	1		Ethanol
		2	1.59740e-1	1105.33496	1.44517e-4			
		3	3.21980e-1	2216.10278	1.45291e-4			
1.744	1	1	1.20000e-2	1538.33594	7.80064e-6	I1		n-Propanol
		2	1.20000e-2	1520.46790	7.89231e-6			
		3	1.20000e-2	1523.79626	7.87507e-6			

Peak Sum Table

No Entries in table

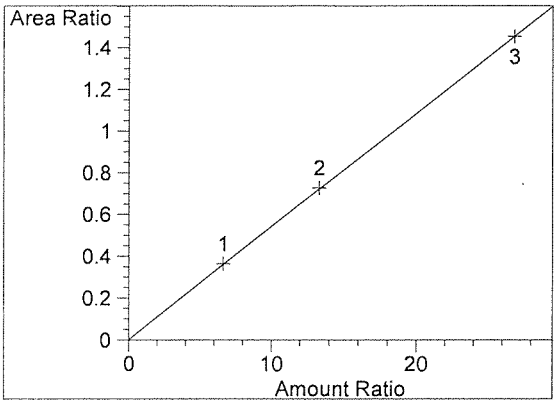
15004
1/27/15

DN

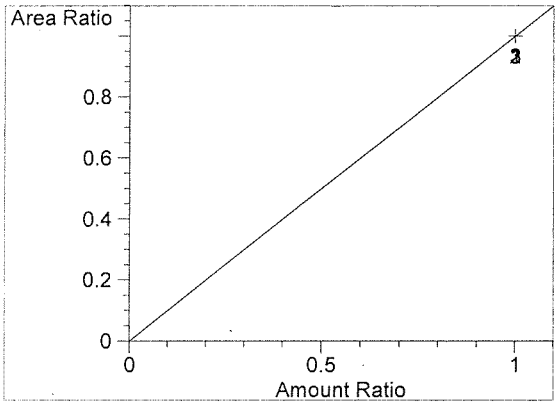
==========

Calibration Curves

==========



Ethanol at exp. RT: 1.019
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00338
Formula: y = mx + b
m: 5.41736e-2
b: 2.68341e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.744
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

==========

15004

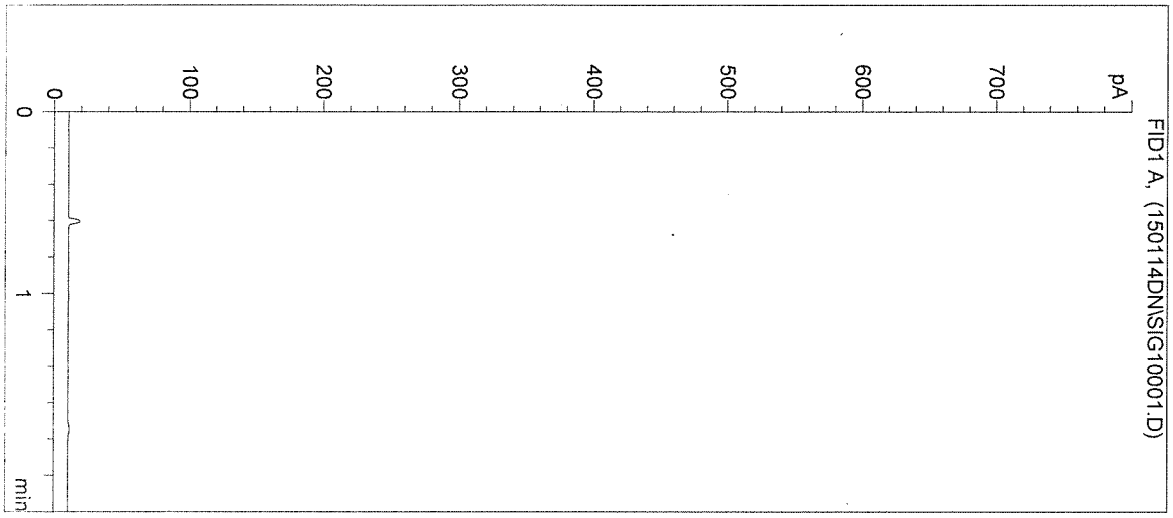
th 1/27/15

DN

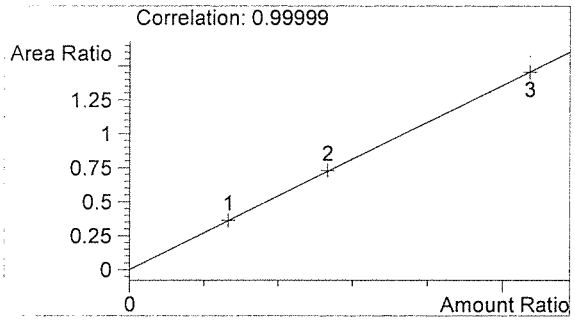
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/14/2015 9:31:28 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 15004

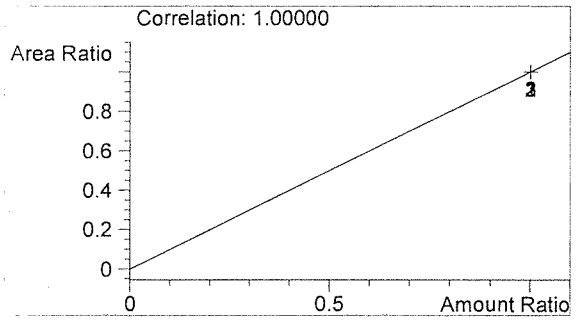
Sample Name: BLANK
Operator: David Nguyen
Location: Vial 1



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



Ethanol 0.000 g/100mL



n-Propanol 0.000 g/100mL

DN

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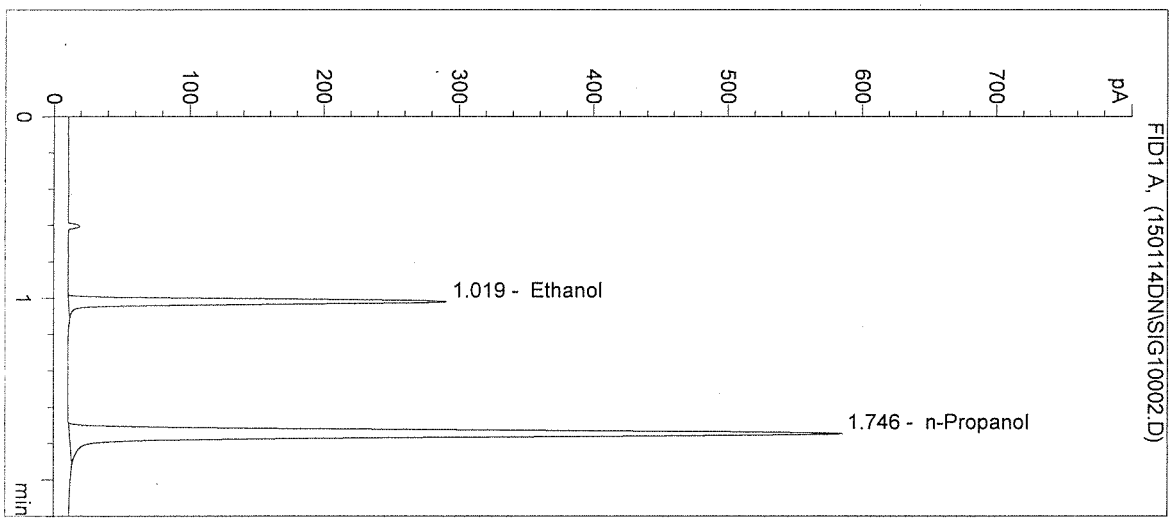
2203 Airport Way S Seattle, WA 98134

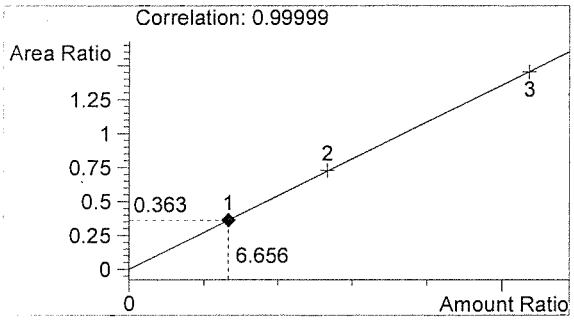
Inj. Date: 1/14/2015 9:34:47 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: CAL 1: 0.079 g/100mL
15004

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

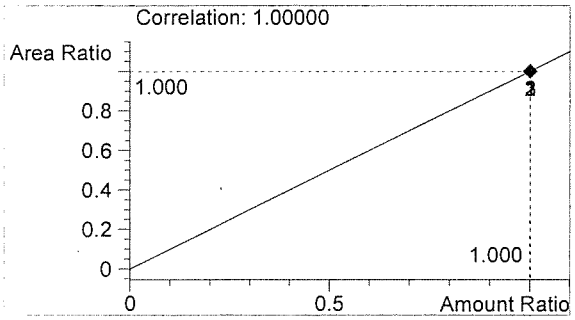
->



#	Compound	Peak Area	RT (min)
1	Ethanol	559	1.019
2	n-Propanol	1538	1.746



Ethanol 0.080 g/100mL



n-Propanol 0.012 g/100mL

DN

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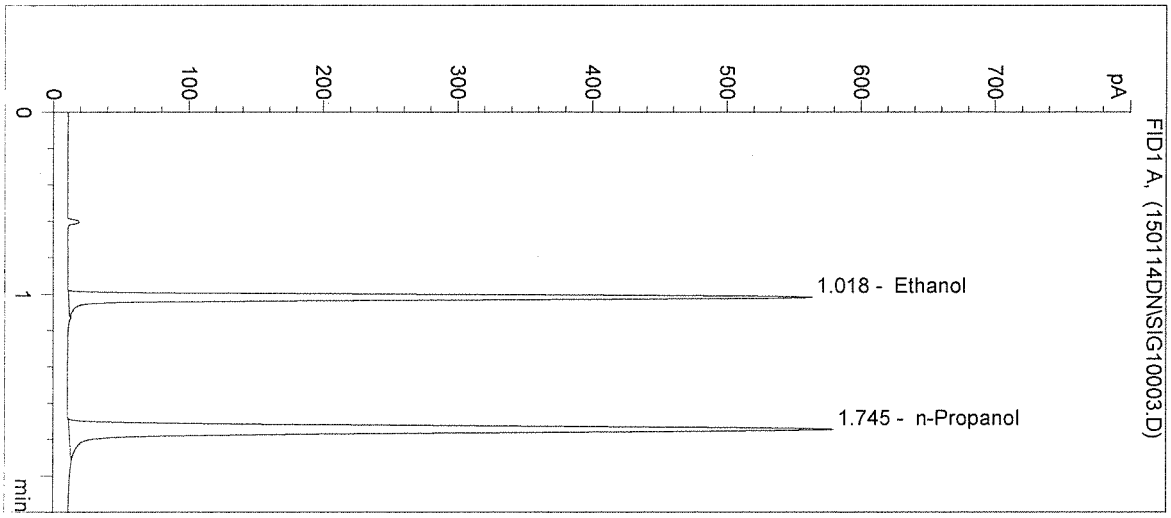
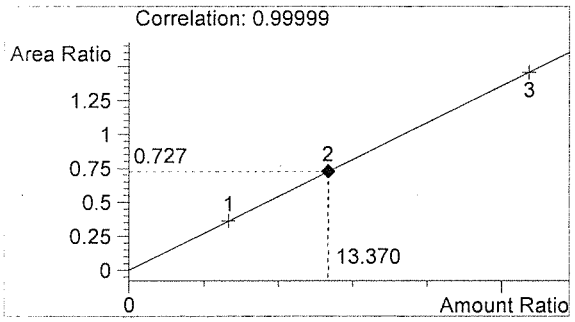
Inj. Date: 1/14/2015 9:38:04 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: CAL 2: 0.158 g/100mL
15004

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

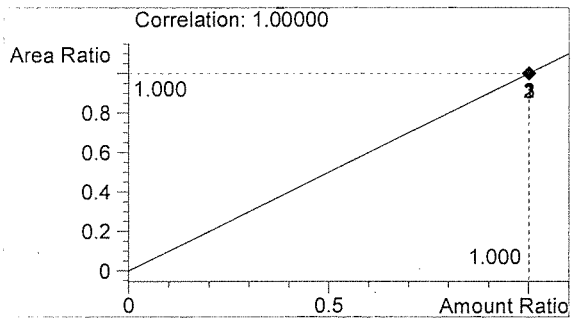
->



#	Compound	Peak Area	RT (min)
1	Ethanol	1105	1.018
2	n-Propanol	1520	1.745



Ethanol 0.160 g/100mL



n-Propanol 0.012 g/100mL

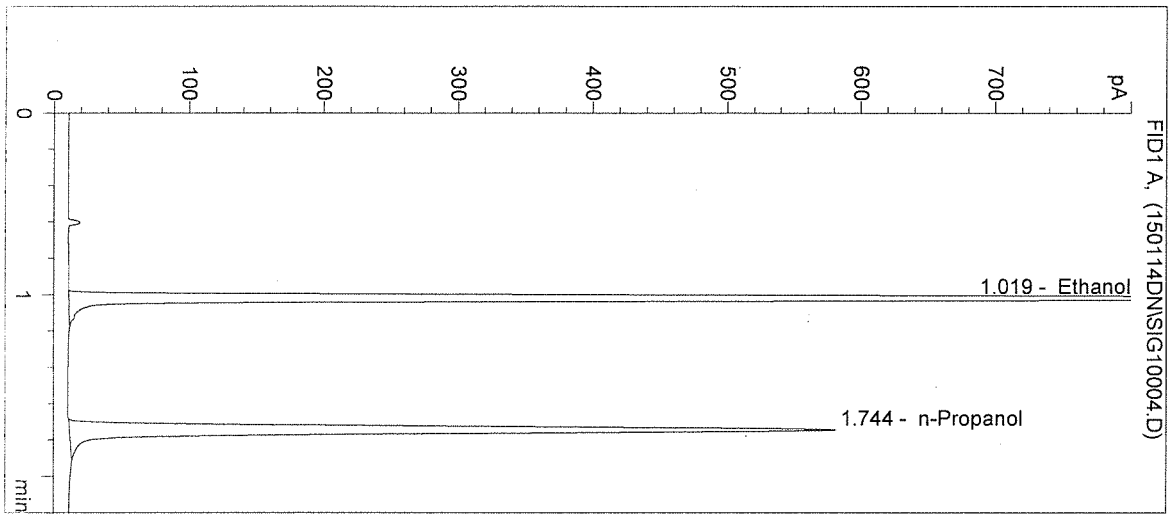
Data File: C:\HPCHEM\2\DATA\150114DN\SIG10003.D

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

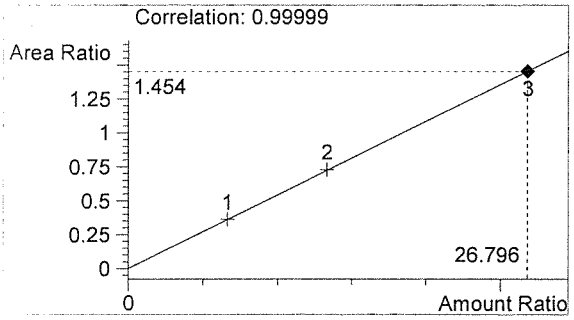
Inj. Date: 1/14/2015 9:41:21 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: CAL 3: 0.316 g/100mL
15004

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

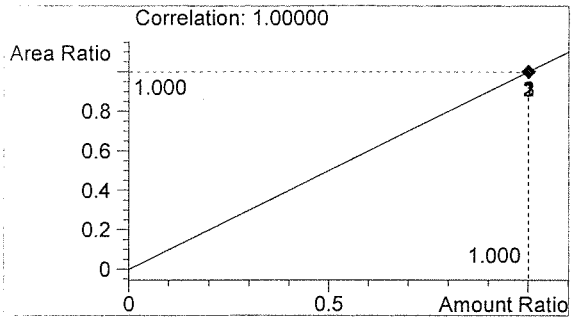
->



#	Compound	Peak Area	RT (min)
1	Ethanol	2216	1.019
2	n-Propanol	1524	1.744



Ethanol 0.322 g/100mL



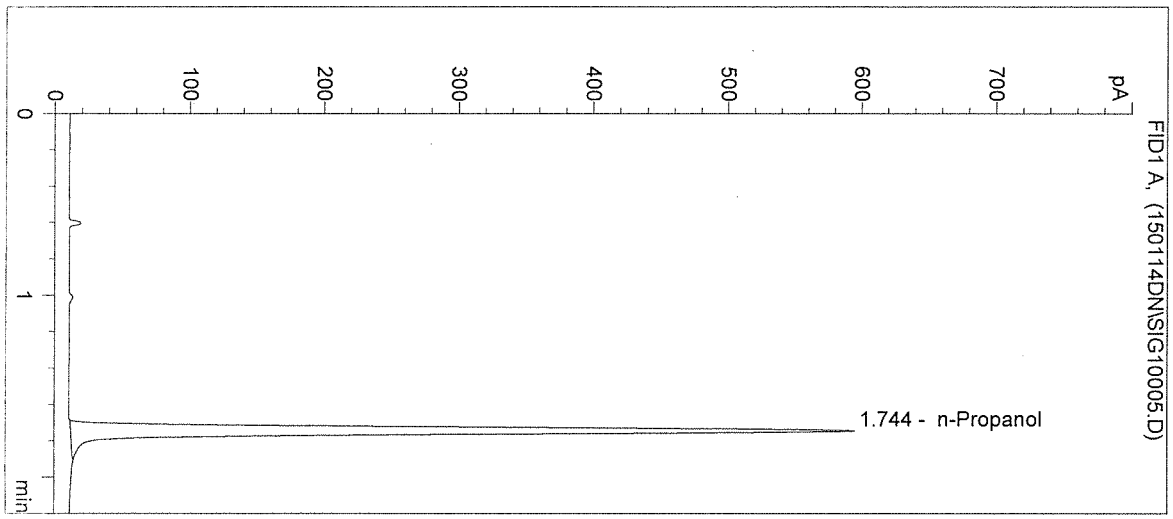
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\2\DATA\150114DN\SIG10004.D

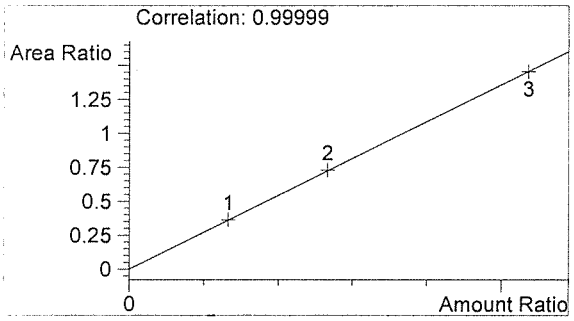
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/14/2015 9:44:35 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 15004

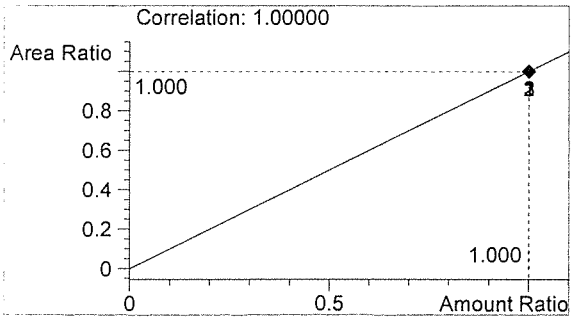
Sample Name: NEG CTRL
Operator: David Nguyen
Location: Vial 5



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1560	1.744



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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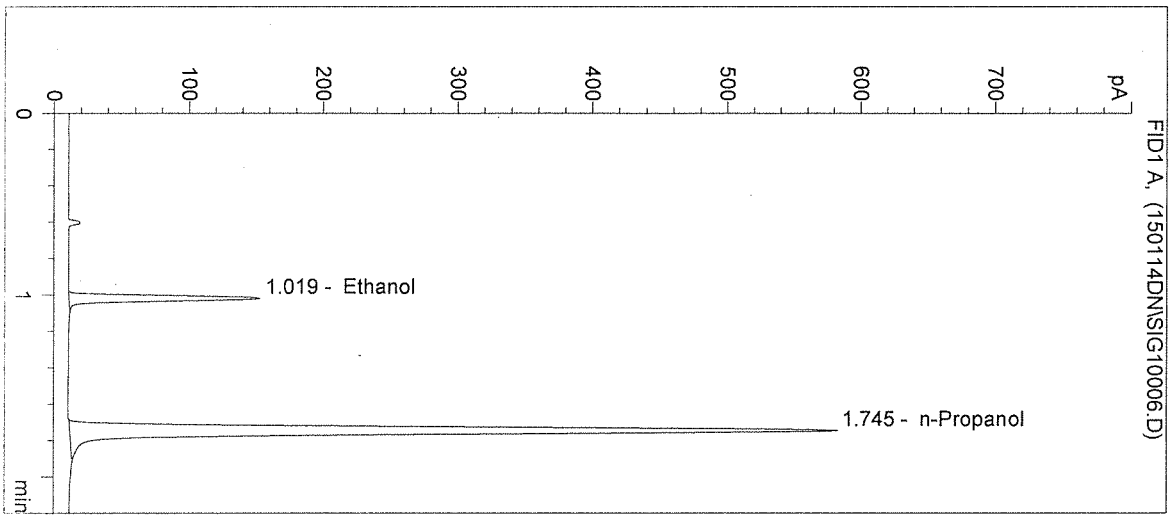
DN

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

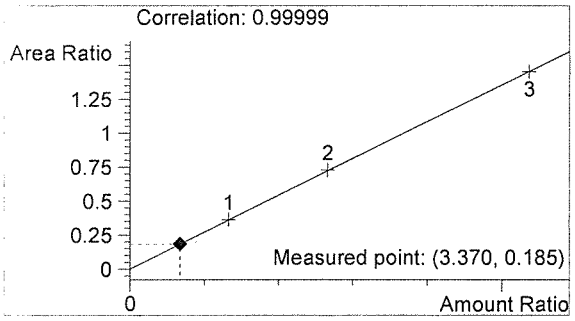
Inj. Date: 1/14/2015 9:47:47 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: CTRL 1: 0.04 g/100mL
15004

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

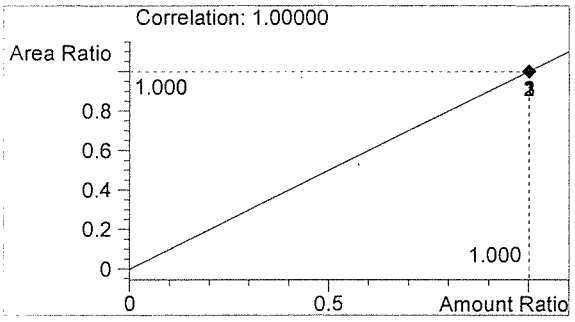
->



#	Compound	Peak Area	RT (min)
1	Ethanol	284	1.019
2	n-Propanol	1535	1.745



Ethanol 0.040 g/100mL



n-Propanol 0.012 g/100mL

fr

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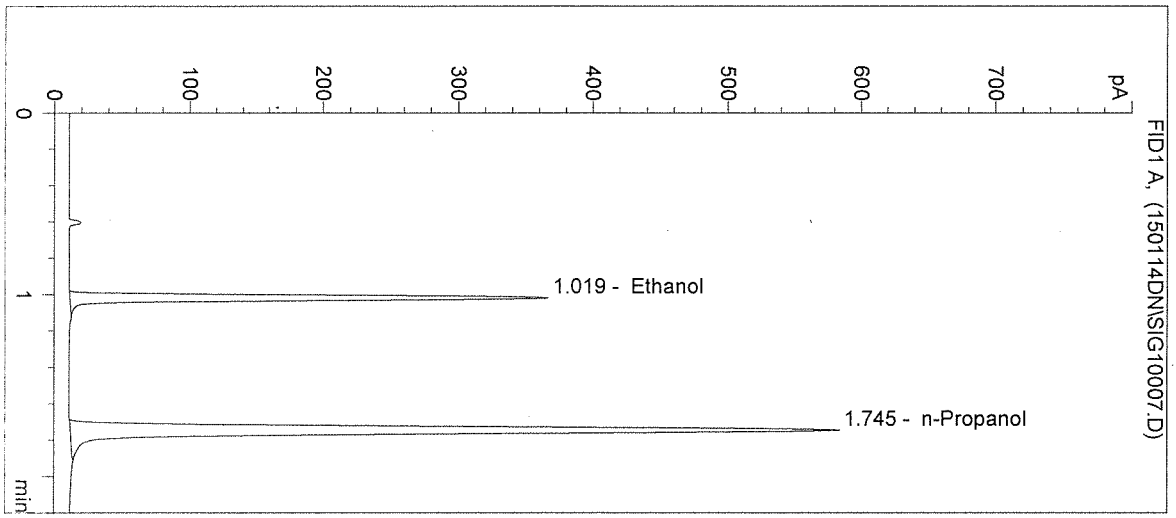
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

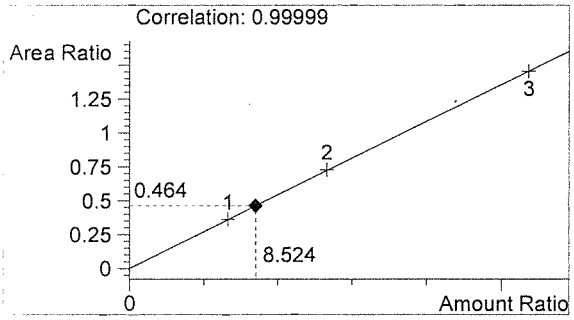
Inj. Date: 1/14/2015 9:51:00 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: CTRL 2: 0.10 g/100mL
15004

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

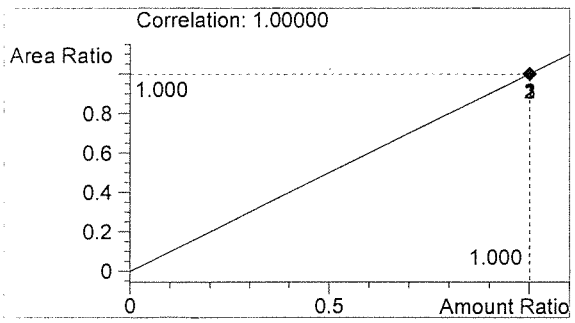
->



#	Compound	Peak Area	RT (min)
1	Ethanol	714	1.019
2	n-Propanol	1537	1.745



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

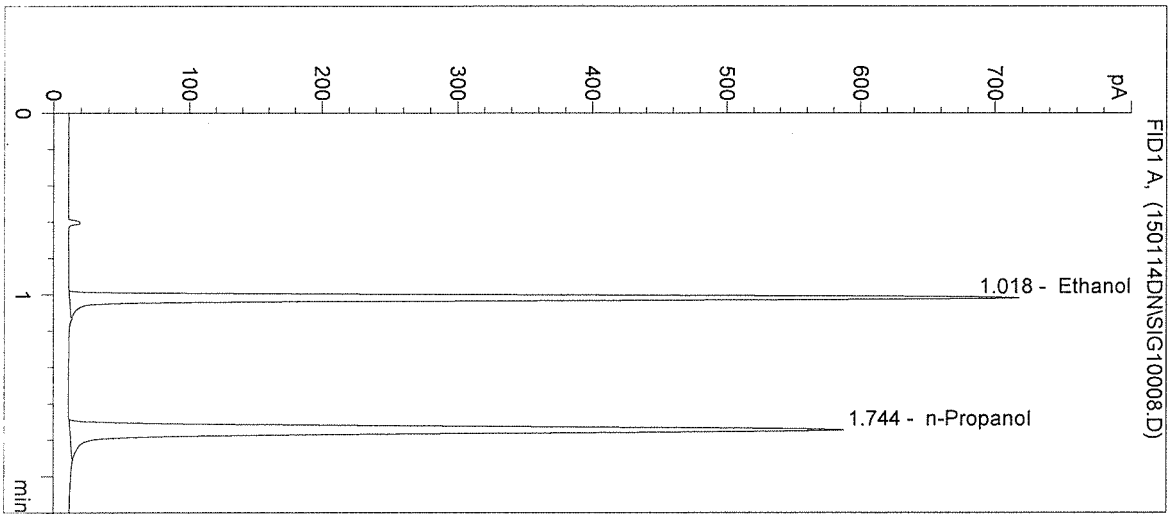
DN

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

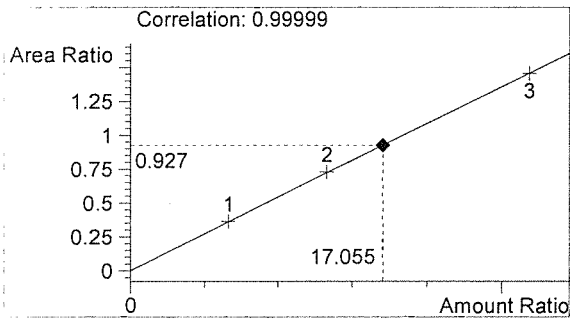
Inj. Date: 1/14/2015 9:54:14 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: CTRL 3: 0.20 g/100mL
15004

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

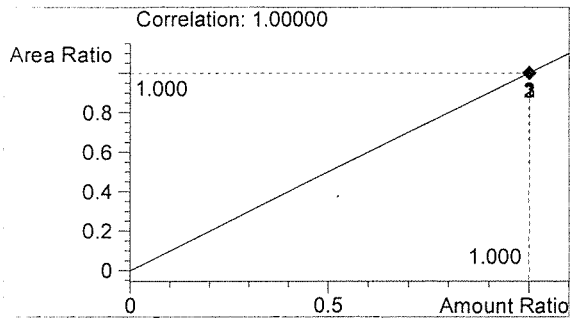
->



#	Compound	Peak Area	RT (min)
1	Ethanol	1433	1.018
2	n-Propanol	1547	1.744



Ethanol 0.205 g/100mL



n-Propanol 0.012 g/100mL

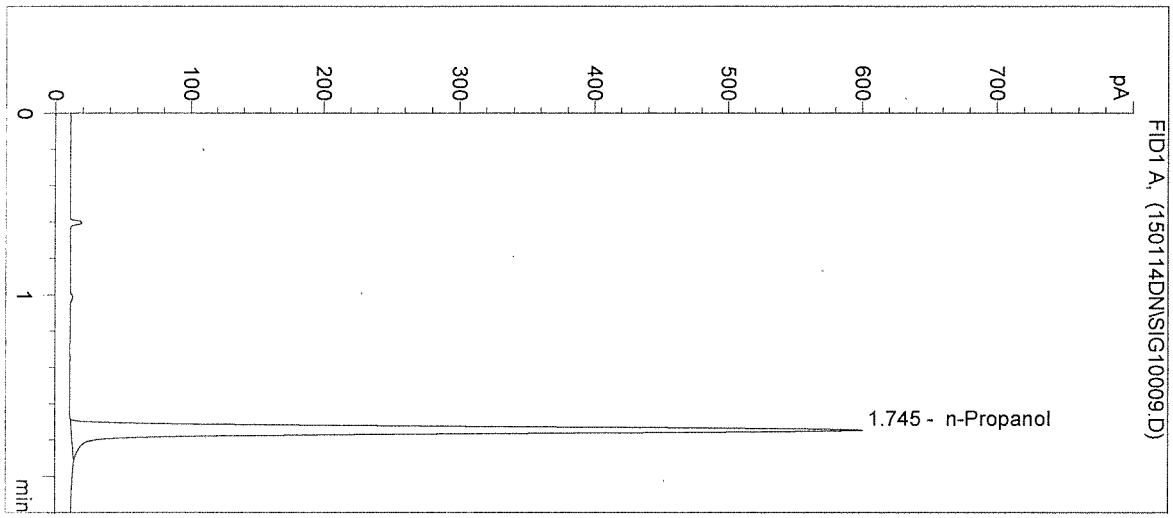
Data File: C:\HPCHEM\2\DATA\150114DN\SIG10008.D

DN

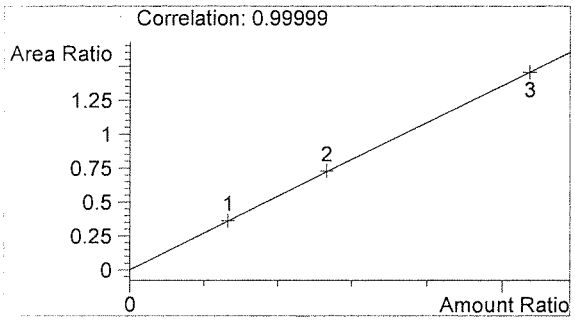
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/14/2015 9:57:27 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 15004

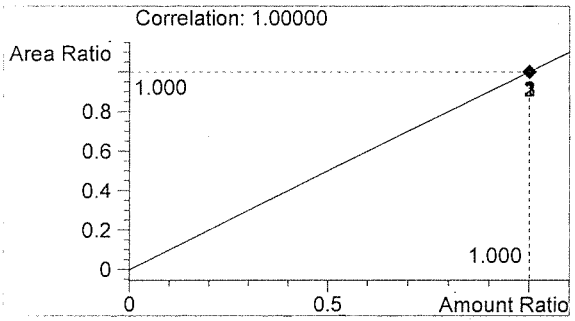
Sample Name: NEG CTRL
Operator: David Nguyen
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1582	1.745



Ethanol 0.000 g/100mL

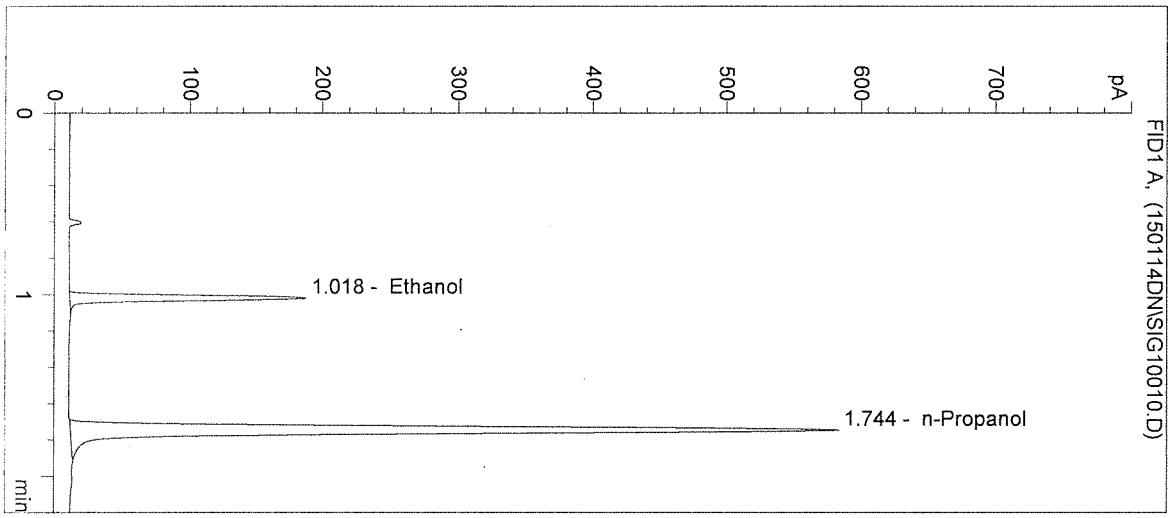


n-Propanol 0.012 g/100mL

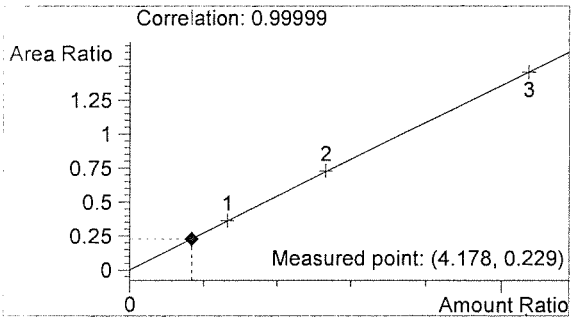
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/14/2015 10:00:40 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

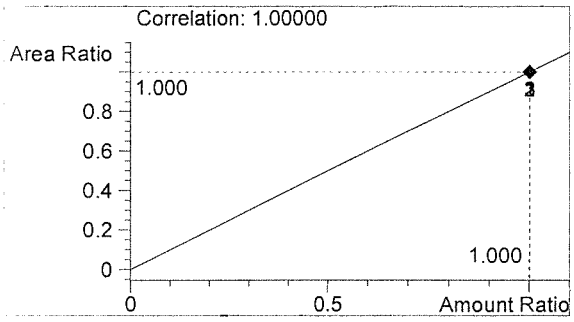
Sample Name: 15004 #1
Operator: David Nguyen
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	352	1.018
2	n-Propanol	1537	1.744



Ethanol 0.050 g/100mL



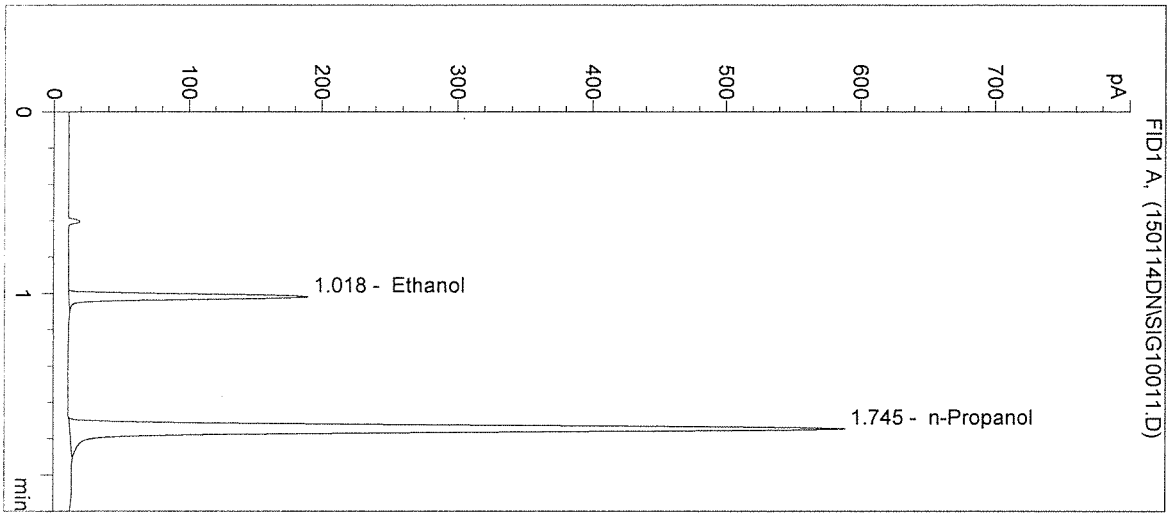
n-Propanol 0.012 g/100mL

DN

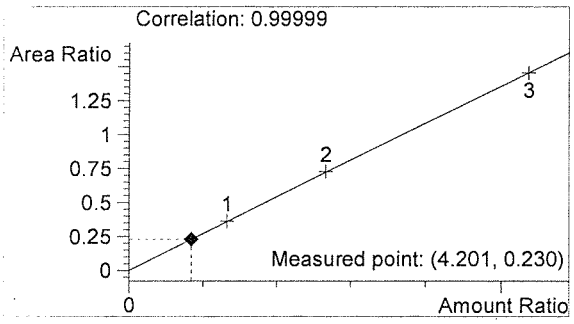
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/14/2015 10:03:54 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

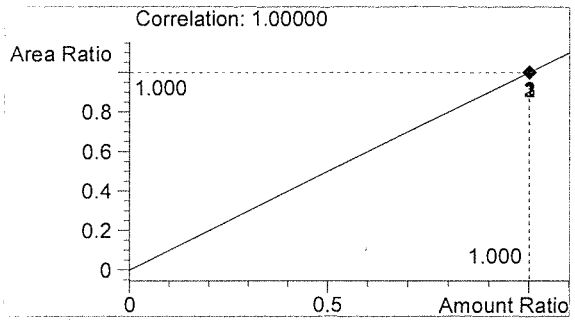
Sample Name: 15004 #2
Operator: David Nguyen
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	356	1.018
2	n-Propanol	1546	1.745



Ethanol 0.050 g/100mL



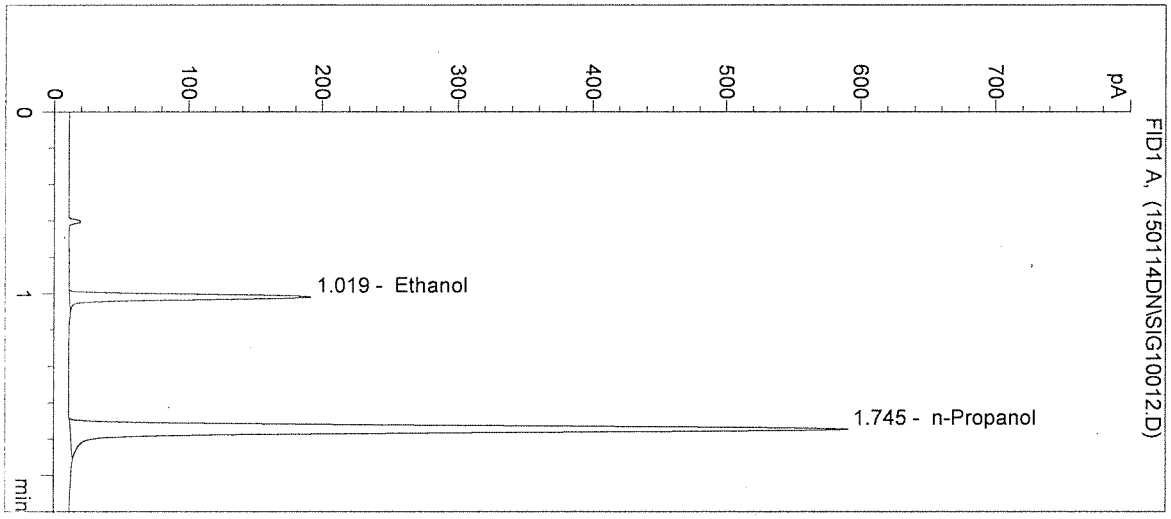
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\2\DATA\150114DN\SIG10011.D

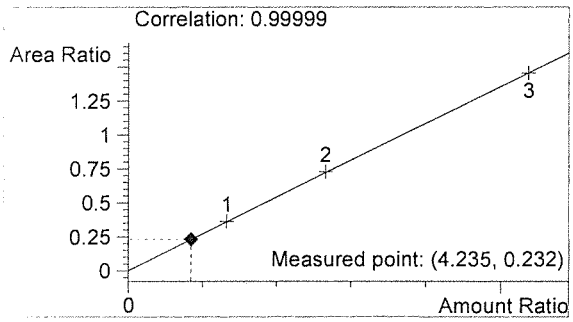
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/14/2015 10:07:07 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

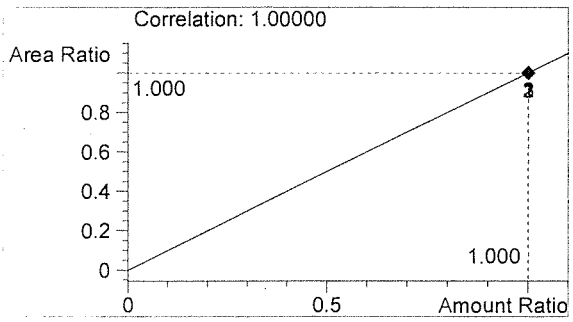
Sample Name: 15004 #3
Operator: David Nguyen
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	361	1.019
2	n-Propanol	1555	1.745



Ethanol 0.051 g/100mL



n-Propanol 0.012 g/100mL

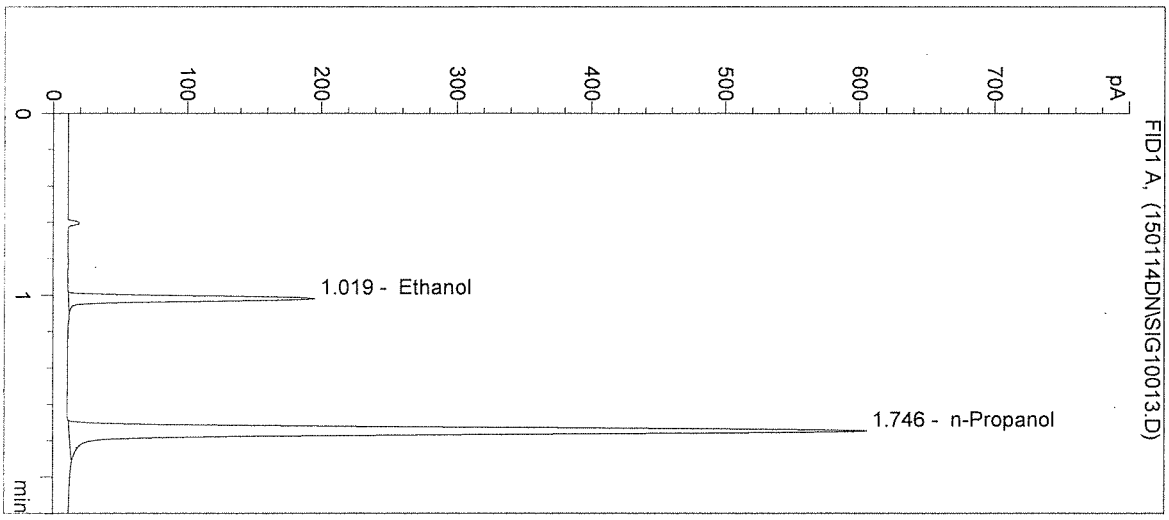
Data File: C:\HPCHEM\2\DATA\150114DN\SIG10012.D

DN

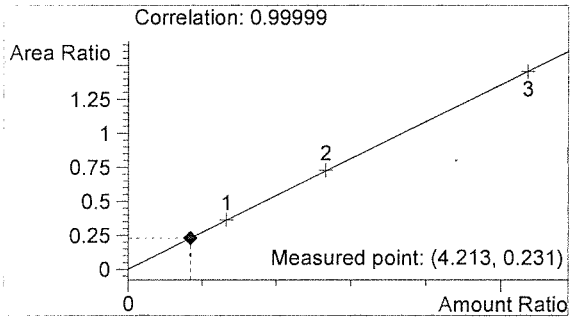
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/14/2015 10:10:20 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

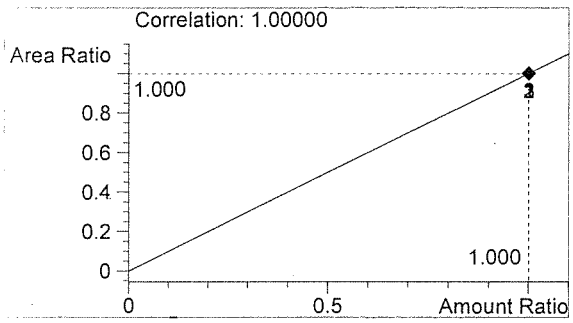
Sample Name: 15004 #4
Operator: David Nguyen
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	369	1.019
2	n-Propanol	1597	1.746



Ethanol 0.051 g/100mL



n-Propanol 0.012 g/100mL

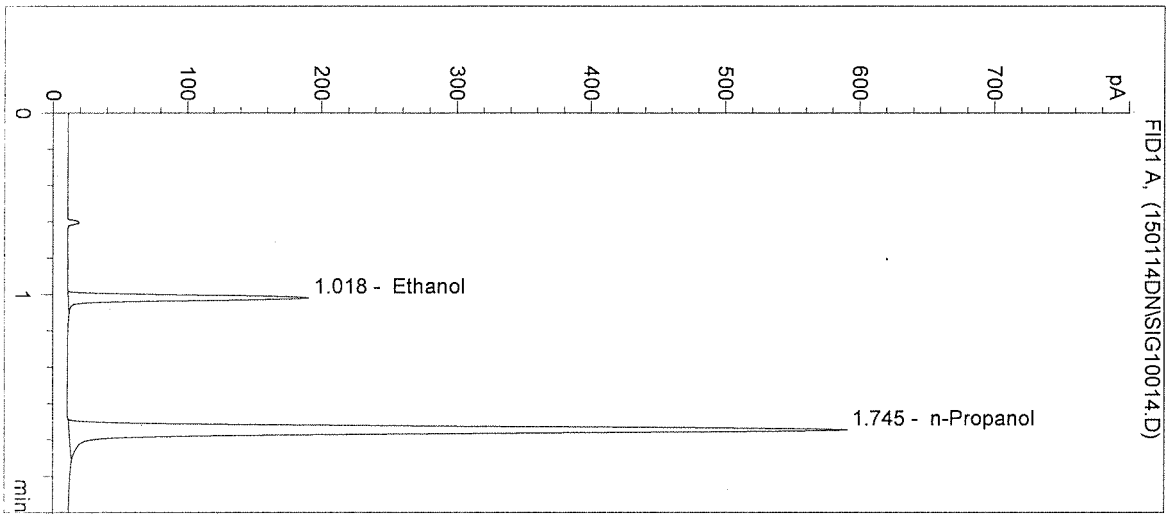
DN

Data File: C:\HPCHEM\2\DATA\150114DN\SIG10013.D

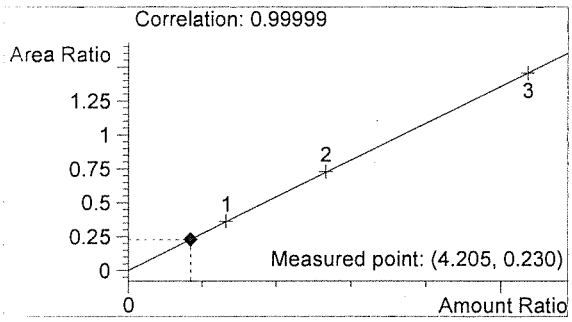
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/14/2015 10:13:34 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

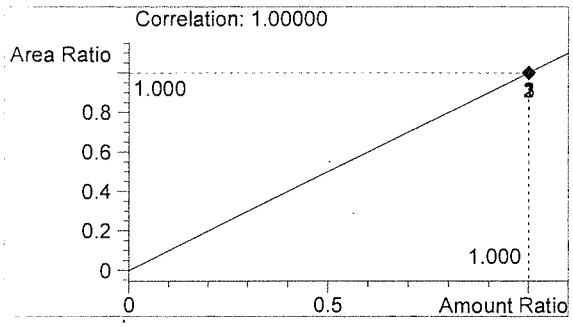
Sample Name: 15004 #5
Operator: David Nguyen
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	358	1.018
2	n-Propanol	1554	1.745



Ethanol 0.050 g/100mL



n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\2\DATA\150114DN\SIG10014.D

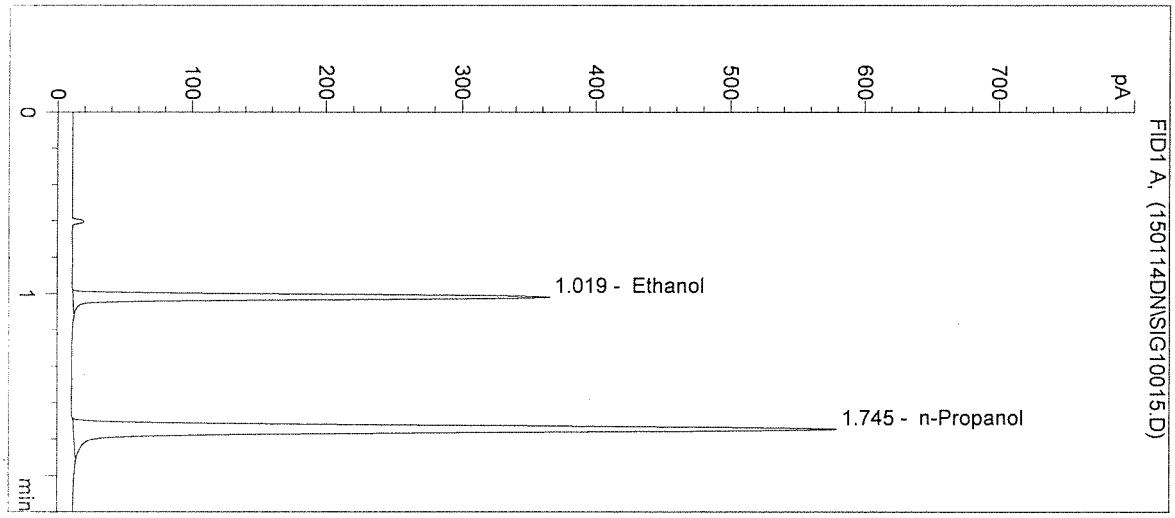
DN

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

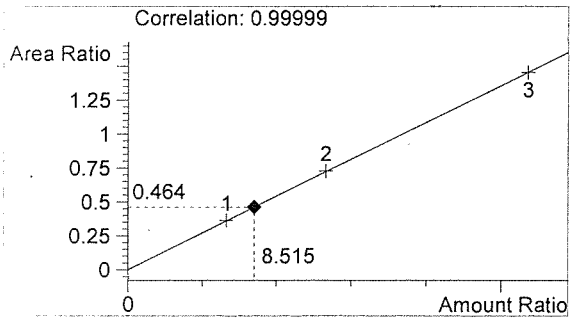
Inj. Date: 1/14/2015 10:16:47 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: POS CTRL: 0.10 g/100mL
15004

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

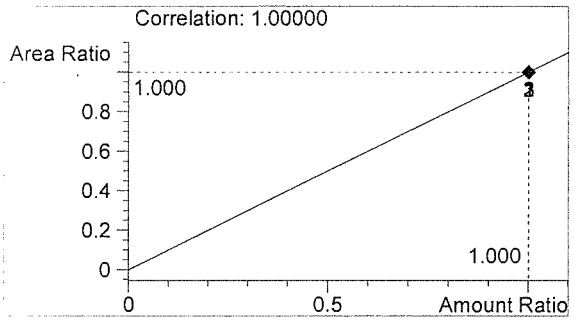
->



#	Compound	Peak Area	RT (min)
1	Ethanol	705	1.019
2	n-Propanol	1519	1.745



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

fr

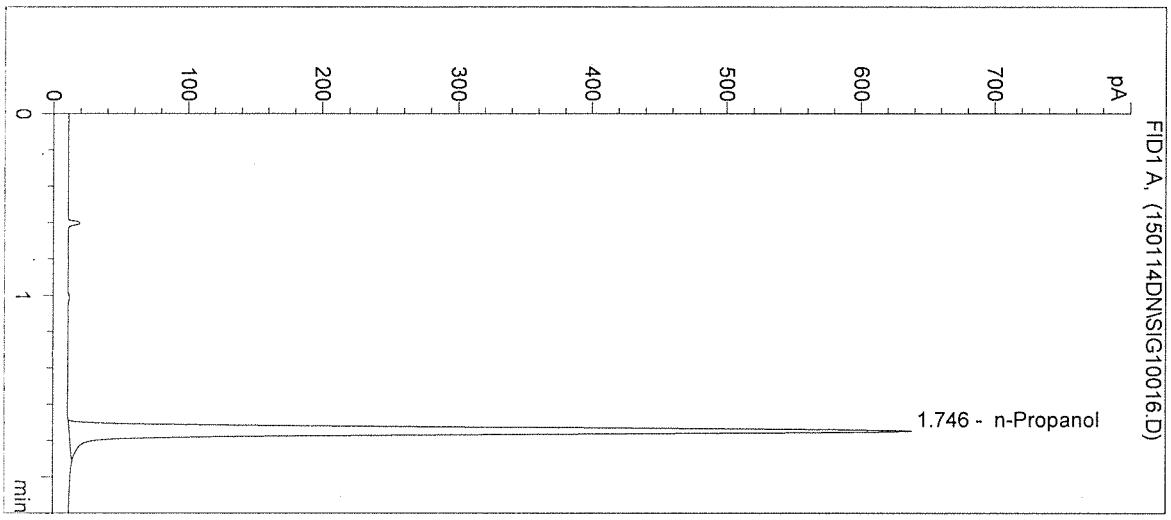
Data File: C:\HPCHEM\2\DATA\150114DN\SIG10015.D

DN

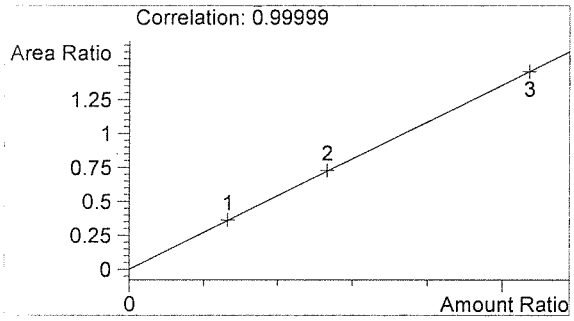
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/14/2015 10:20:00 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 15004

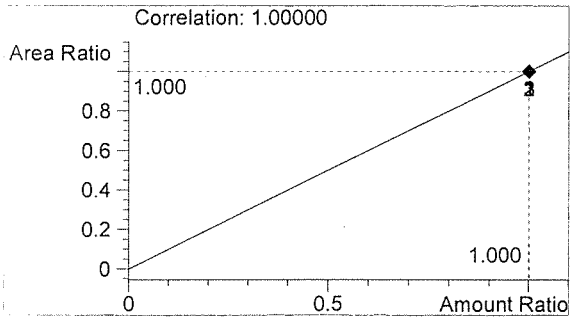
Sample Name: NEG CTRL
Operator: David Nguyen
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1680	1.746



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

fr

DN

Sequence: C:\HPCHEM\2\SEQUENCE\NN-QAP.S

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\2\DATA\
Data Subdirectory:	150114NN
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#: E0814-01 Exp. 02/19/2015
CAL 2: 0.158 g/100mL - Lot#: E0814-02 Exp. 02/19/2015
CAL 3: 0.316 g/100mL - Lot#: E0814-03 Exp. 02/19/2015

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#: P1114 Exp. 02/20/2015

Calibration vials 1-9 filed with 15004.

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	15004 #1	SIMALC3	1	Sample		
11	Vial 11	15004 #2	SIMALC3	1	Sample		
12	Vial 12	15004 #3	SIMALC3	1	Sample		
13	Vial 13	15004 #4	SIMALC3	1	Sample		
14	Vial 14	15004 #5	SIMALC3	1	Sample		
15	Vial 15	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC3	1	Ctrl Samp		
17	Vial 17	15005 #1	SIMALC3	1	Sample		
18	Vial 18	15005 #2	SIMALC3	1	Sample		
19	Vial 19	15005 #3	SIMALC3	1	Sample		
20	Vial 20	15005 #4	SIMALC3	1	Sample		
21	Vial 21	15005 #5	SIMALC3	1	Sample		
22	Vial 22	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC3	1	Ctrl Samp		
24	Vial 24	15006 #1	SIMALC3	1	Sample		

15004
1/27/15

Sequence: C:\HPCHEM\2\SEQUENCE\NN-QAP.S

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
25	Vial 25	15006 #2	SIMALC3	1	Sample		
26	Vial 26	15006 #3	SIMALC3	1	Sample		
27	Vial 27	15006 #4	SIMALC3	1	Sample		
28	Vial 28	15006 #5	SIMALC3	1	Sample		
29	Vial 29	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC3	1	Ctrl Samp		
31	Vial 31	15007 #1	SIMALC3	1	Sample		
32	Vial 32	15007 #2	SIMALC3	1	Sample		
33	Vial 33	15007 #3	SIMALC3	1	Sample		
34	Vial 34	15007 #4	SIMALC3	1	Sample		
35	Vial 35	15007 #5	SIMALC3	1	Sample		
36	Vial 36	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
37	Vial 37	NEG CTRL	SIMALC3	1	Ctrl Samp		
38	Vial 38	15008 #1	SIMALC3	1	Sample		
39	Vial 39	15008 #2	SIMALC3	1	Sample		
40	Vial 40	15008 #3	SIMALC3	1	Sample		
41	Vial 41	15008 #4	SIMALC3	1	Sample		
42	Vial 42	15008 #5	SIMALC3	1	Sample		
43	Vial 43	POS CTRL (0.10)	SIMALC3	1	Ctrl Samp		
44	Vial 44	NEG CTRL	SIMALC3	1	Ctrl Samp		

Calibration Part:

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

15004

1/27/15

Calibration Table

Calib. Data Modified : Wednesday, January 14, 2015 4:59:01 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
1.020	1	1	7.95500e-2	577.39941	1.37773e-4	1		Ethanol
		2	1.59740e-1	1092.70154	1.46188e-4			
		3	3.21980e-1	2177.20483	1.47887e-4			
1.744	1	1	1.20000e-2	1557.12280	7.70652e-6	I1		n-Propanol
		2	1.20000e-2	1498.71729	8.00685e-6			
		3	1.20000e-2	1493.17847	8.03655e-6			

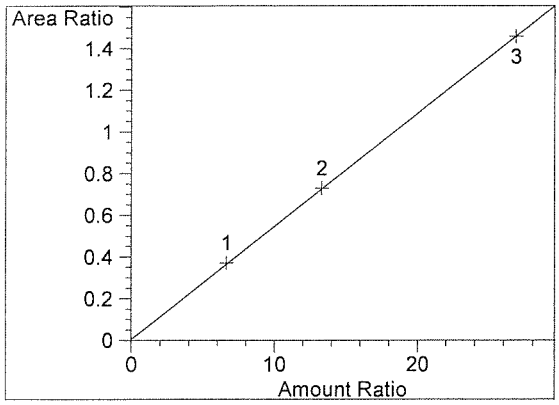
Peak Sum Table

No Entries in table

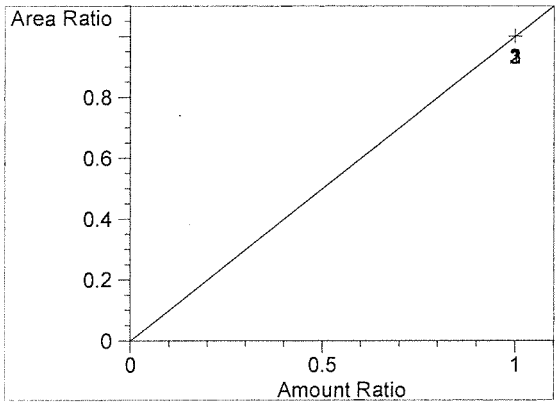
15004

1/27/15

Calibration Curves



Ethanol at exp. RT: 1.020
FID1 A,
Correlation: 0.99997
Residual Std. Dev.: 0.00604
Formula: y = mx + b
m: 5.42302e-2
b: 5.38037e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.744
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

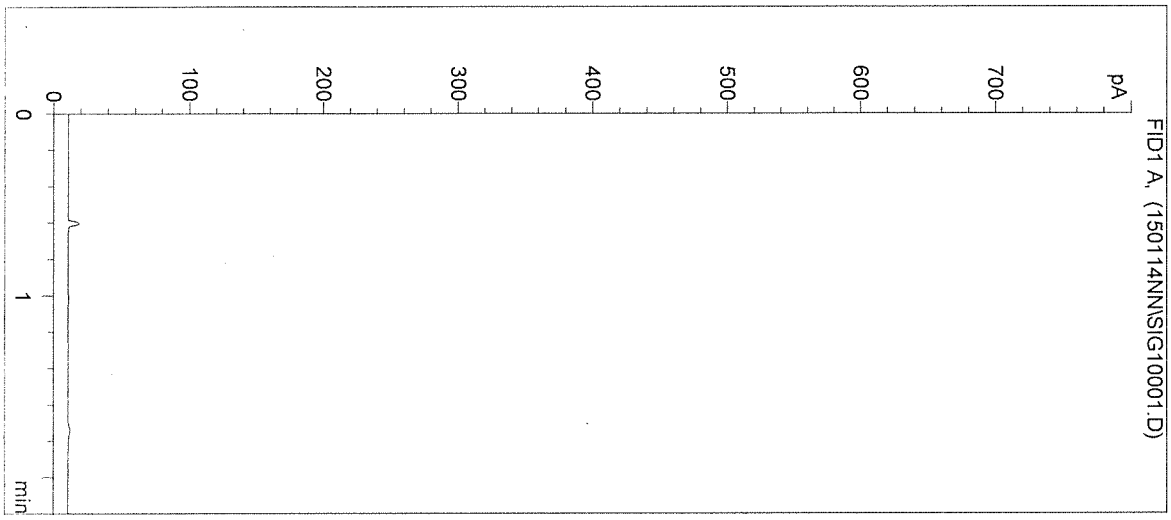
15004
1/27/15

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

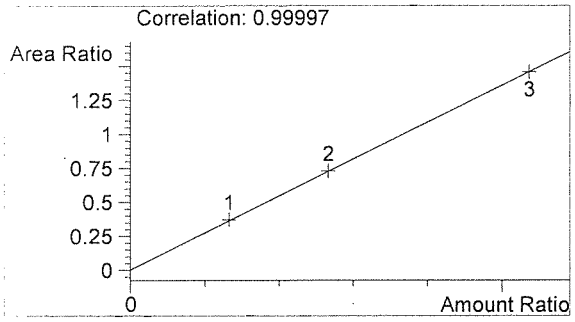
Inj. Date: 1/14/2015 4:46:55 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 15004, ~~15005, 15006, 15007, 15008~~

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

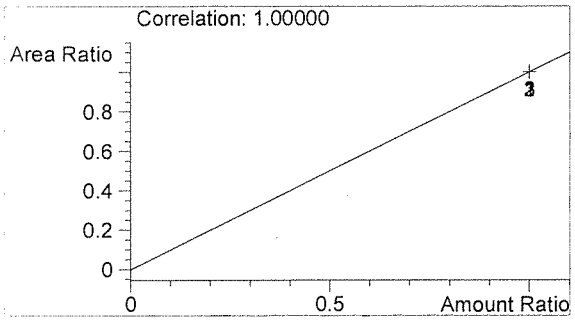
1.15.15 NN



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



Ethanol 0.000 g/100mL



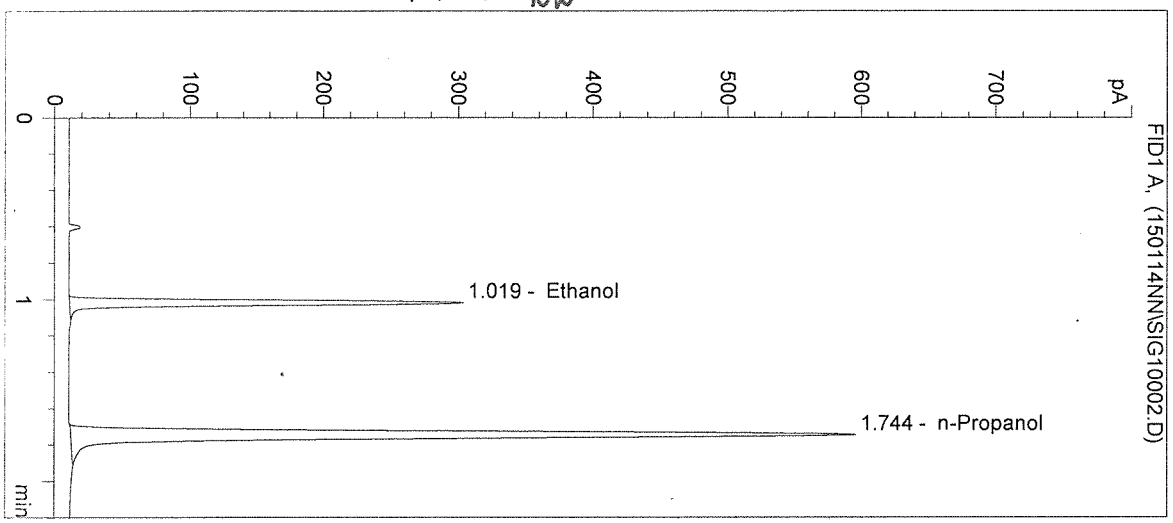
n-Propanol 0.000 g/100mL

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

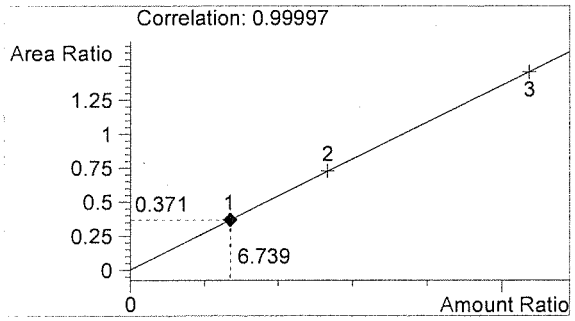
Inj. Date: 1/14/2015 4:50:14 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: CAL 1: 0.079 g/100mL
15004, ~~15005, 15006, 15007, 15008~~ 1.15.15 NW

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

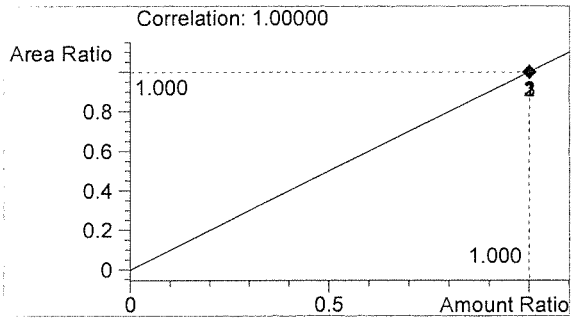
->



#	Compound	Peak Area	RT (min)
1	Ethanol	577	1.019
2	n-Propanol	1557	1.744



Ethanol 0.081 g/100mL



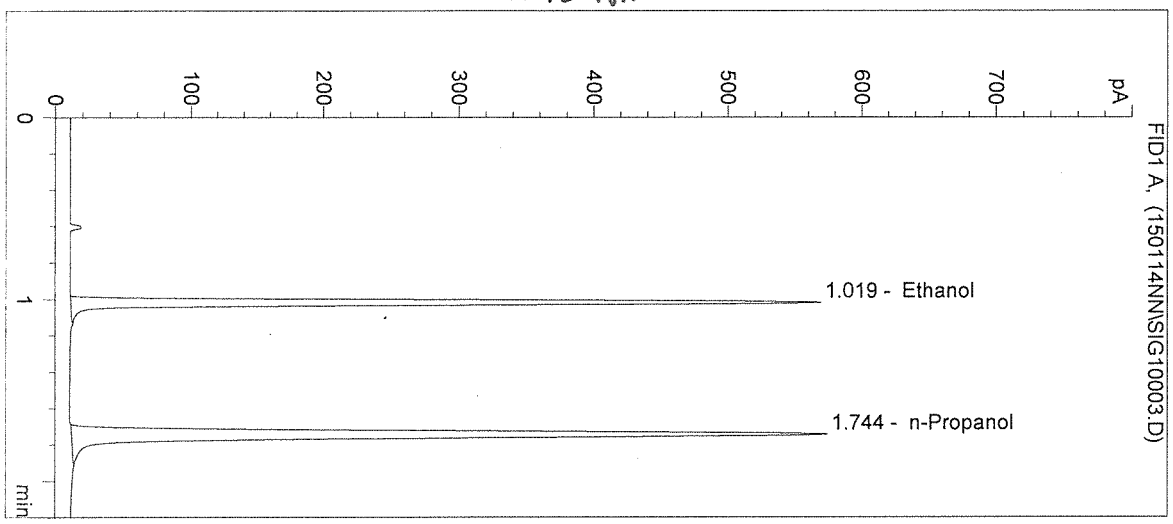
n-Propanol 0.012 g/100mL

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

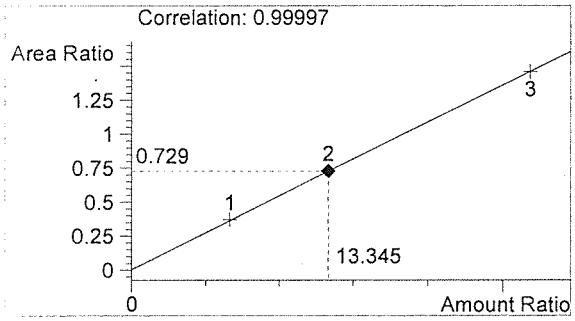
Inj. Date: 1/14/2015 4:53:31 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: CAL 2: 0.158 g/100mL
15004, ~~15005, 15006, 15007, 15008~~
1.15.15 NN

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

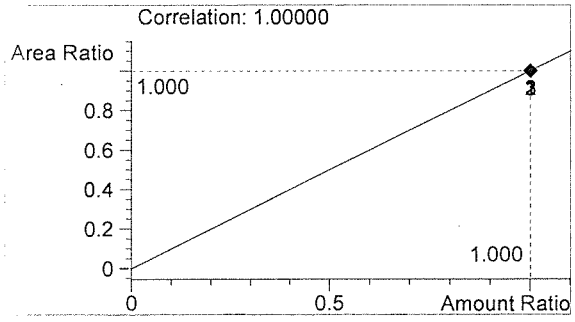
->



#	Compound	Peak Area	RT (min)
1	Ethanol	1093	1.019
2	n-Propanol	1499	1.744



Ethanol 0.160 g/100mL



n-Propanol 0.012 g/100mL

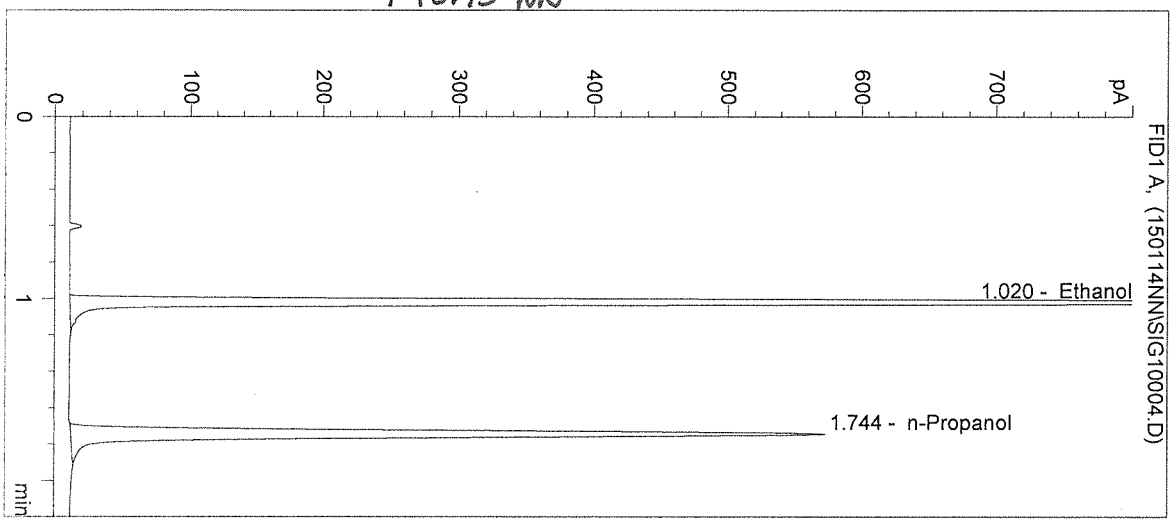
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/14/2015 4:56:48 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: CAL 3: 0.316 g/100mL
15004, ~~15005, 15006, 15007, 15008~~

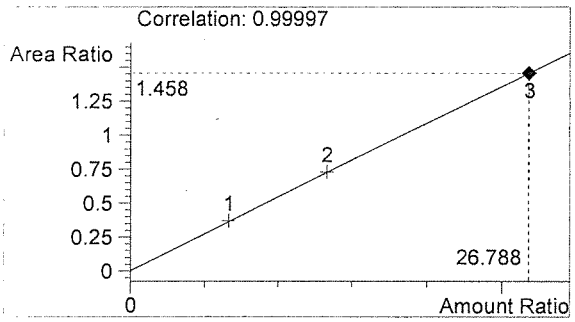
Sample Name: CAL 3 (0.316)
Operator: Naziha Nuwayhid, PhD
Location: Vial 4

->

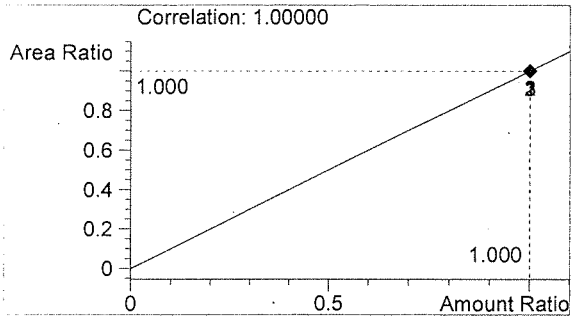
1.15.15 NN



#	Compound	Peak Area	RT (min)
1	Ethanol	2177	1.020
2	n-Propanol	1493	1.744



Ethanol 0.321 g/100mL

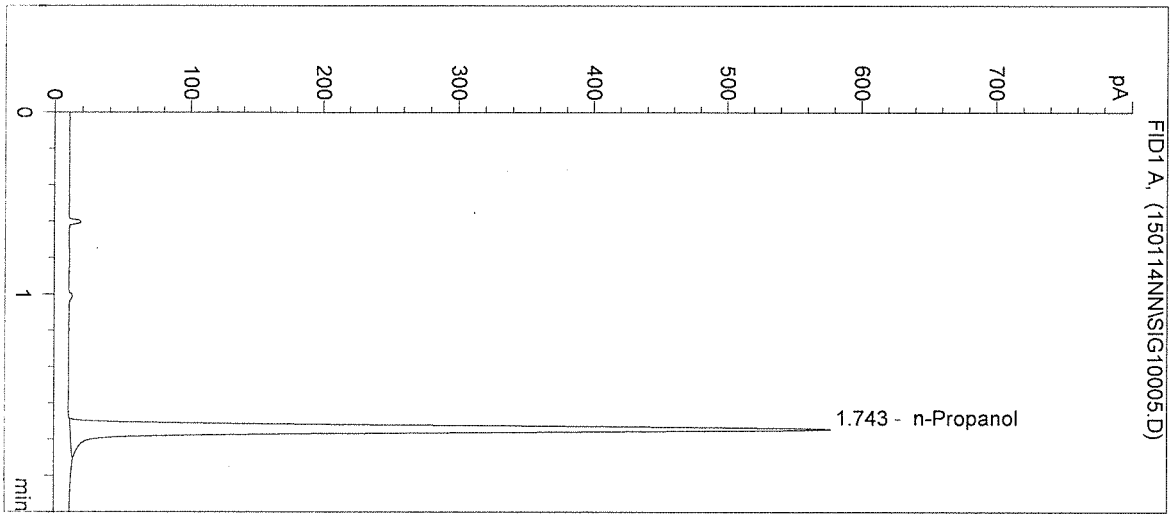


n-Propanol 0.012 g/100mL

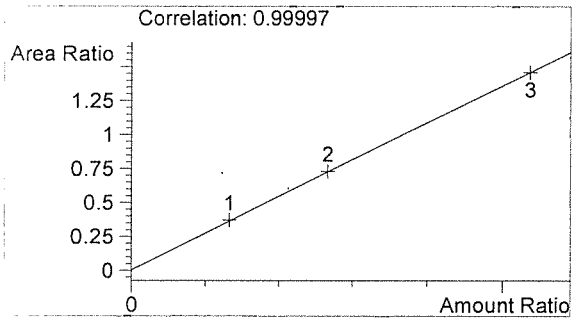
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 1/14/2015 5:00:02 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 15004, ~~15005, 15006, 15007, 15008~~
1.15.15 NN

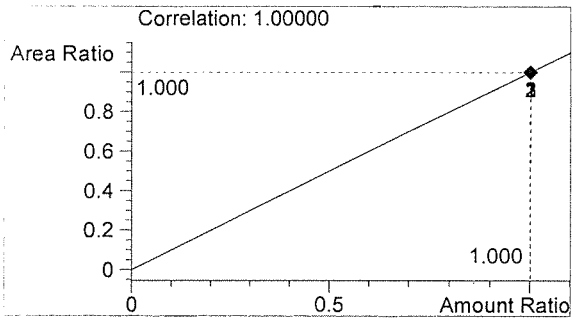
Sample Name: NEG CTRL
Operator: Naziha Nuwayhid, PhD
Location: Vial 5



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1507	1.743



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

NN

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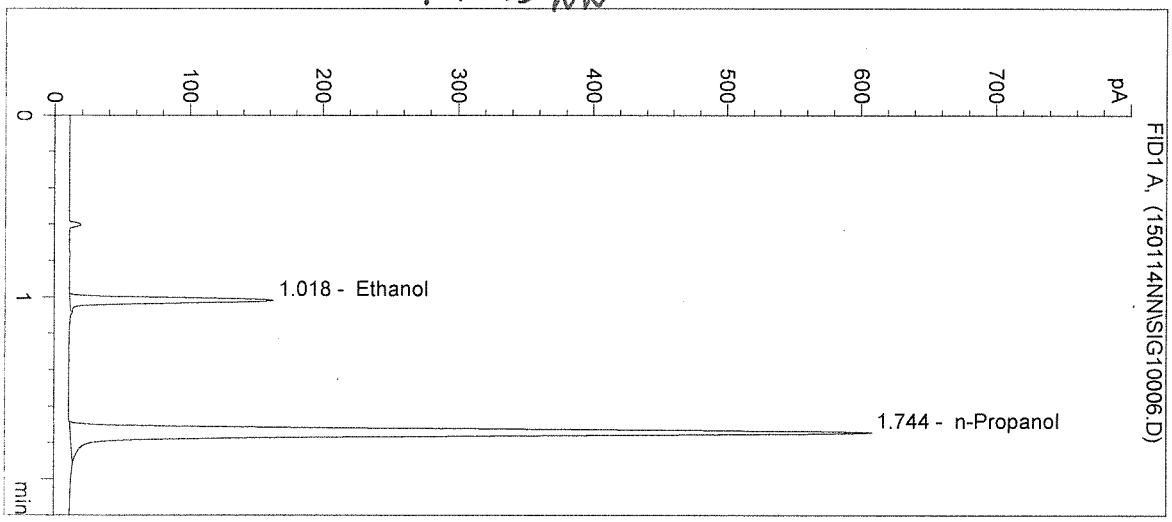
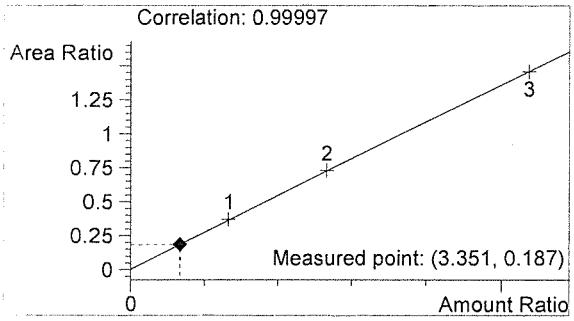
Inj. Date: 1/14/2015 5:03:15 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: CTRL 1: 0.04 g/100mL
15004, ~~15005, 15006, 15007, 15008~~
1.15.15 NW

Sample Name: CTRL 1 (0.04)
Operator: Naziha Nuwayhid, PhD
Location: Vial 6

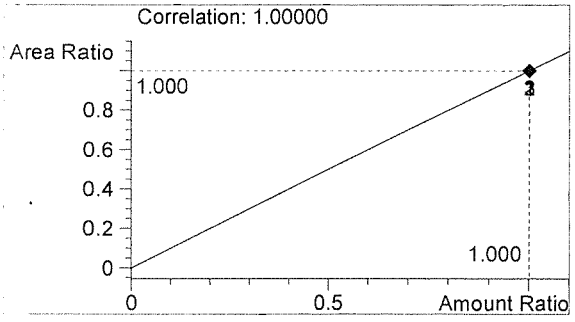
->



#	Compound	Peak Area	RT (min)
1	Ethanol	298	1.018
2	n-Propanol	1593	1.744



Ethanol 0.040 g/100mL



n-Propanol 0.012 g/100mL

NN

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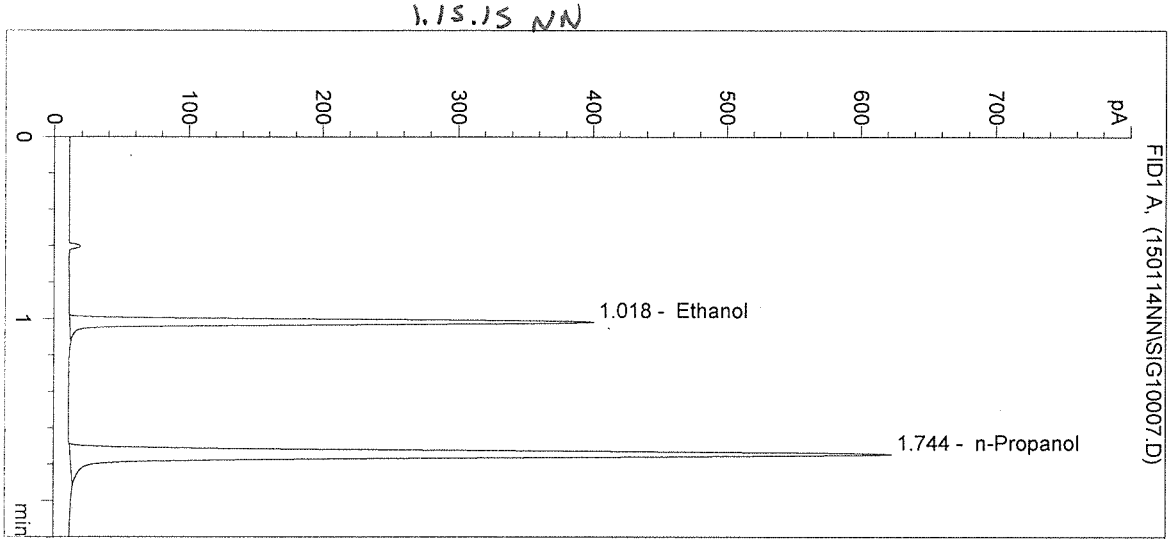
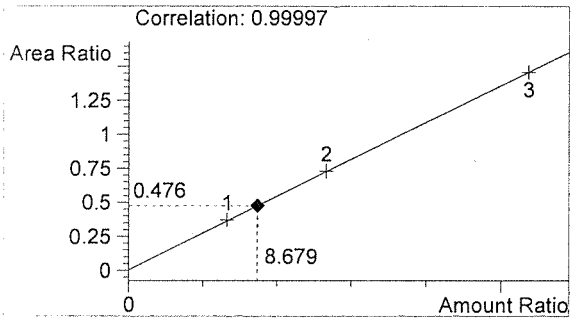
Inj. Date: 1/14/2015 5:06:28 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: CTRL 2: 0.10 g/100mL
15004, ~~15005, 15006, 15007, 15008~~ 1.15.15 NN

Sample Name: CTRL 2 (0.10)
Operator: Naziha Nuwayhid, PhD
Location: Vial 7

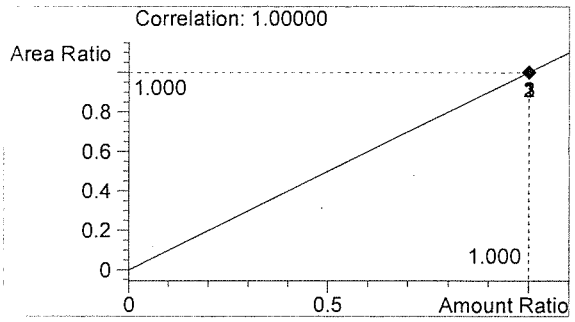
->



#	Compound	Peak Area	RT (min)
1	Ethanol	777	1.018
2	n-Propanol	1633	1.744



Ethanol 0.104 g/100mL



n-Propanol 0.012 g/100mL

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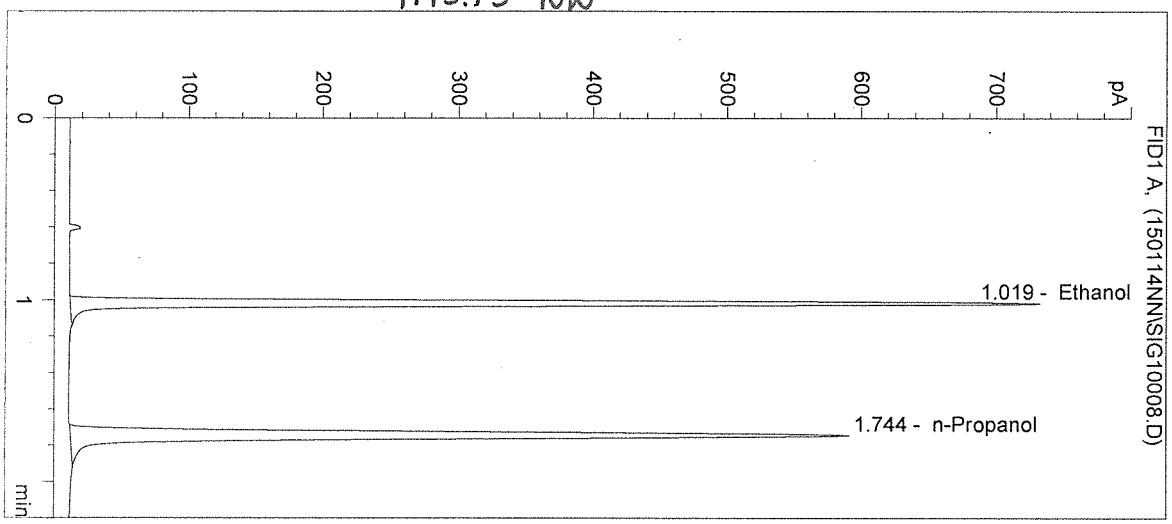
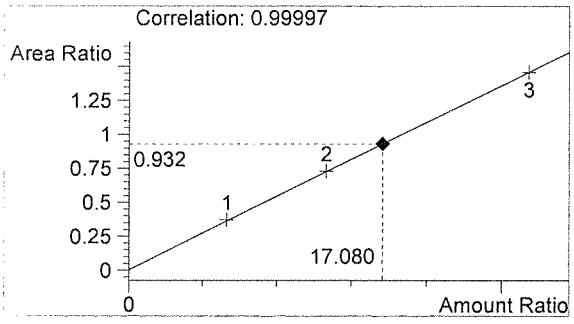
Inj. Date: 1/14/2015 5:09:42 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: CTRL 3: 0.20 g/100mL
15004, ~~15005, 15006, 15007, 15008~~ ->
1.15.15 NW

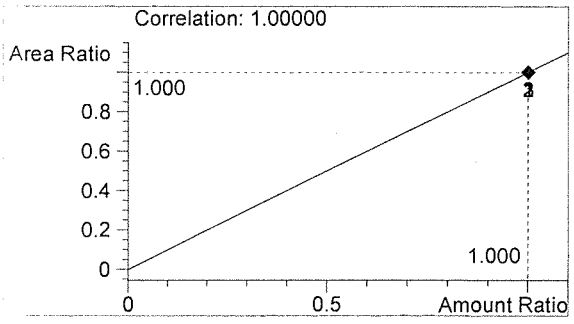
Sample Name: CTRL 3 (0.20)
Operator: Naziha Nuwayhid, PhD
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	1439	1.019
2	n-Propanol	1544	1.744



Ethanol 0.205 g/100mL



n-Propanol 0.012 g/100mL

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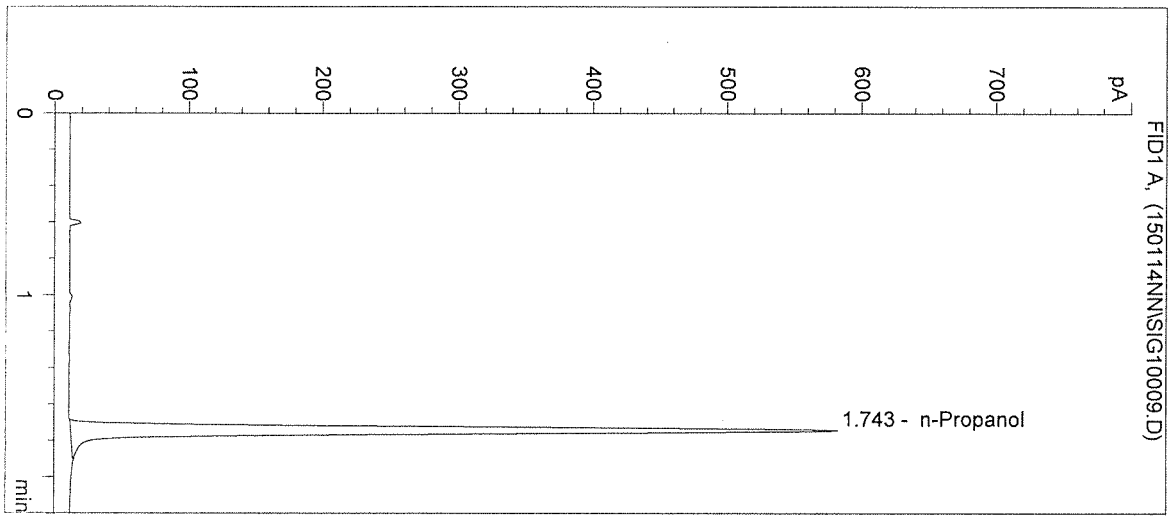
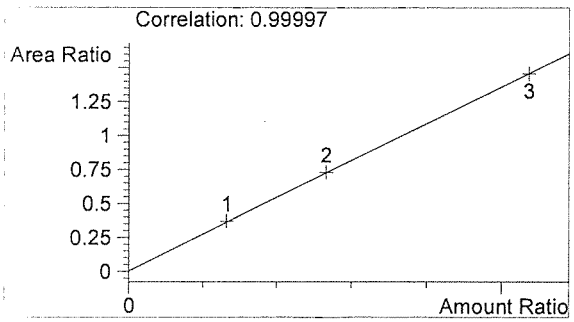
Inj. Date: 1/14/2015 5:12:55 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 15004, ~~15005, 15006, 15007, 15008~~ 1.15.15 NN

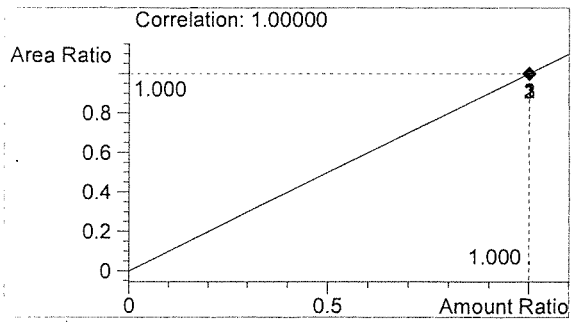
Sample Name: NEG CTRL
Operator: Naziha Nuwayhid, PhD
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1522	1.743



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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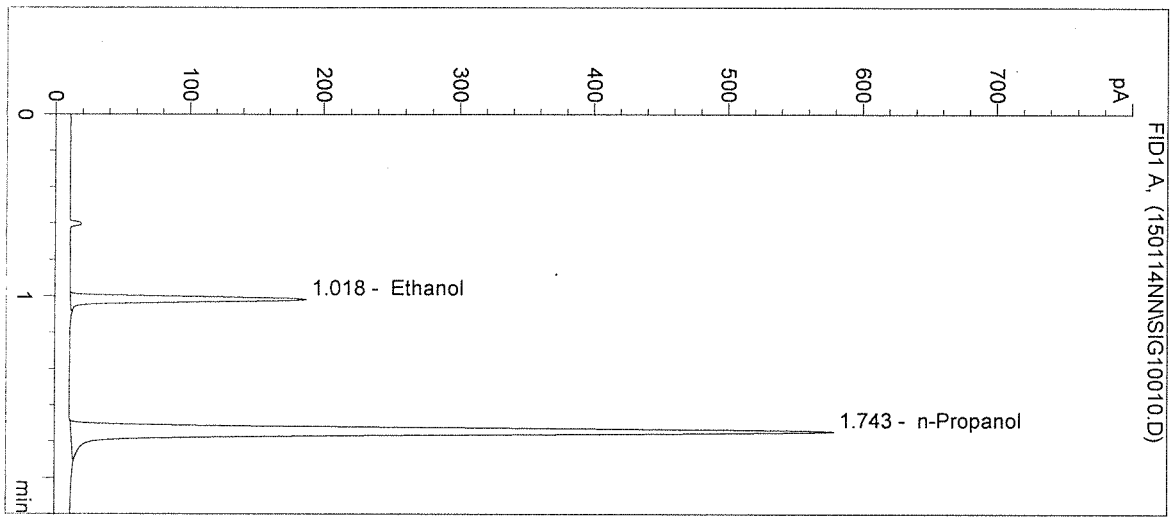
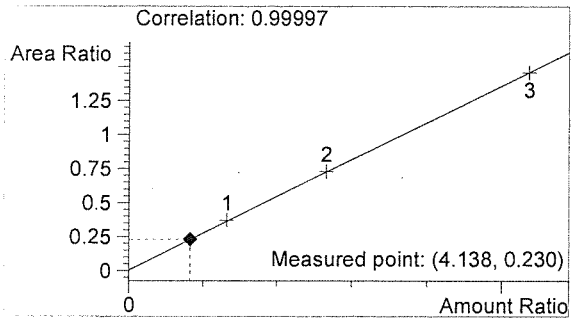
Inj. Date: 1/14/2015 5:16:08 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

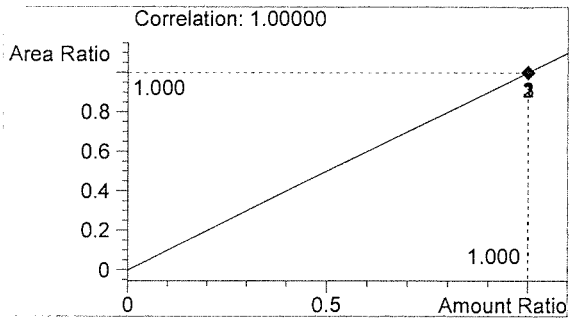
Sample Name: 15004 #1
Operator: Naziha Nuwayhid, PhD
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	348	1.018
2	n-Propanol	1514	1.743



Ethanol 0.050 g/100mL



n-Propanol 0.012 g/100mL

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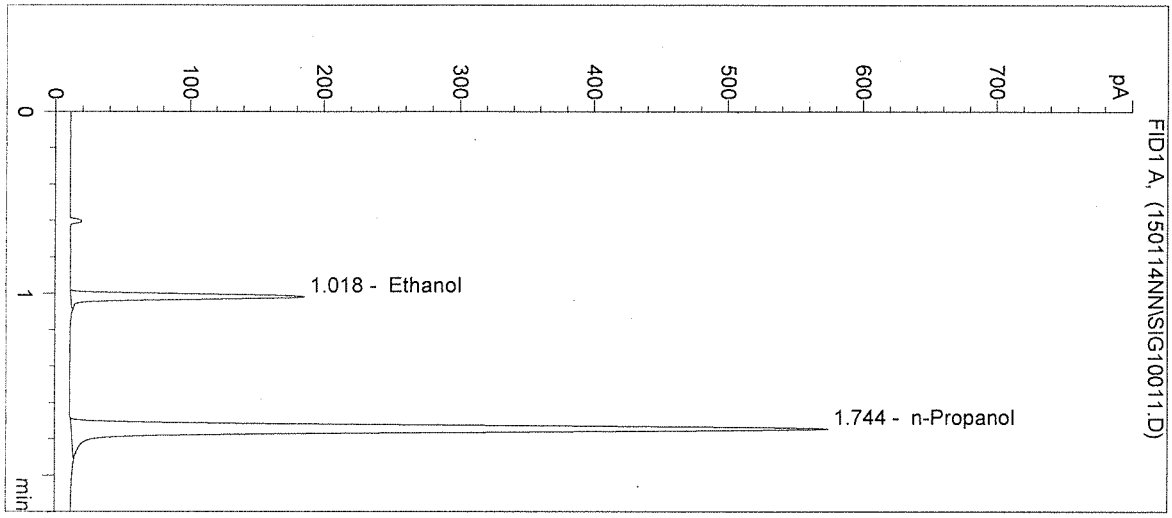
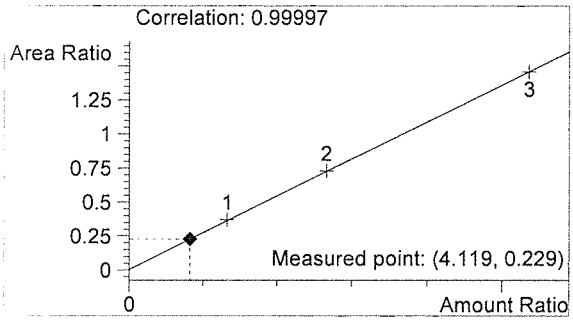
Inj. Date: 1/14/2015 5:19:21 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

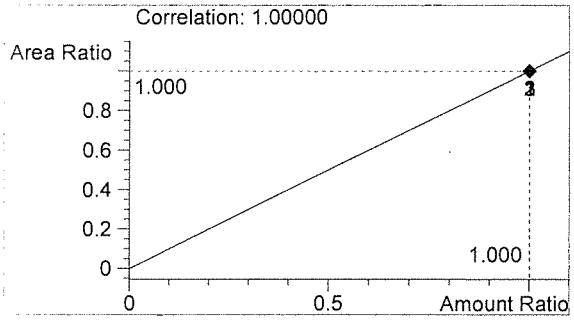
Sample Name: 15004 #2
Operator: Naziha Nuwayhid, PhD
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	344	1.018
2	n-Propanol	1504	1.744



Ethanol 0.049 g/100mL



n-Propanol 0.012 g/100mL

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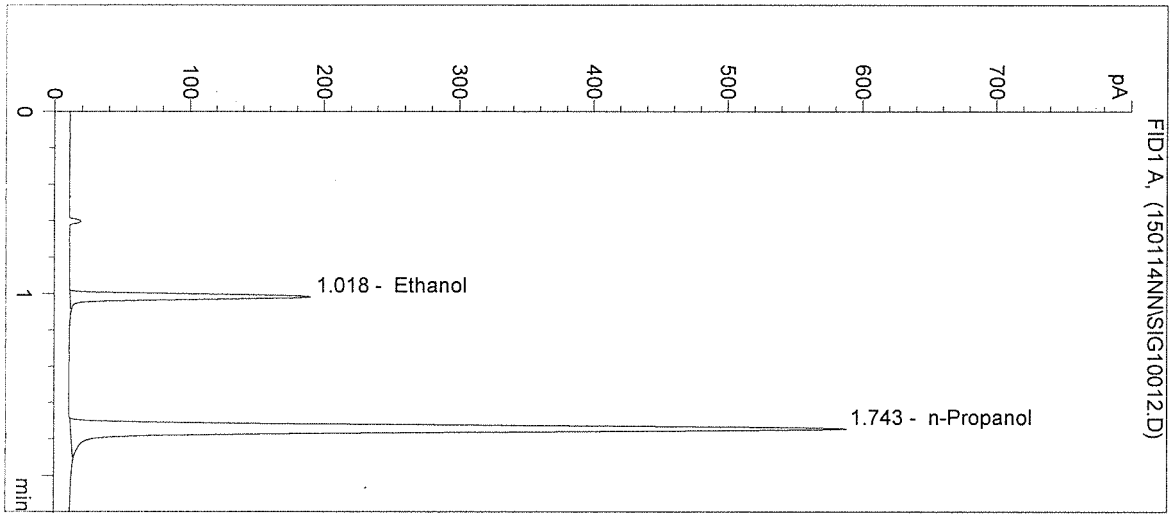
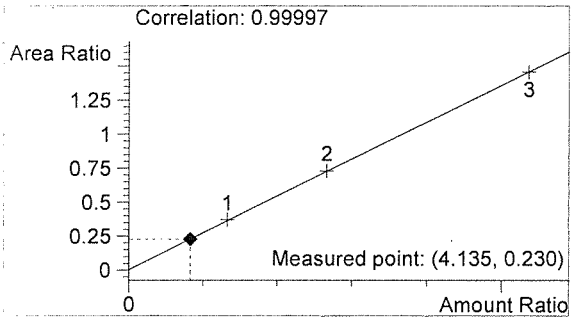
Inj. Date: 1/14/2015 5:22:35 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

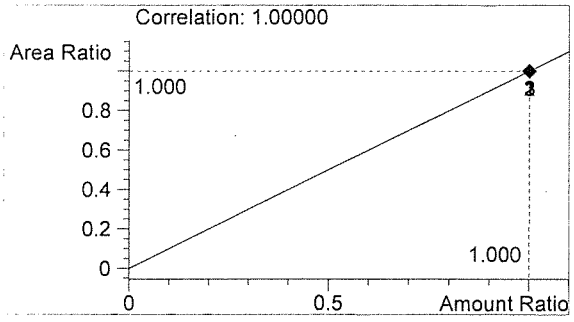
Sample Name: 15004 #3
Operator: Naziha Nuwayhid, PhD
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	353	1.018
2	n-Propanol	1537	1.743



Ethanol 0.050 g/100mL



n-Propanol 0.012 g/100mL

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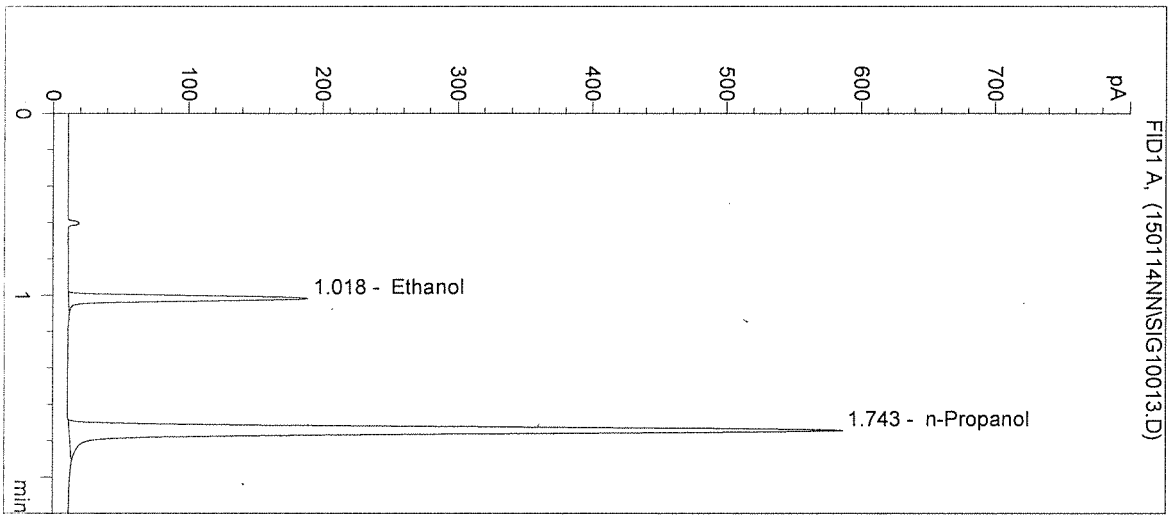
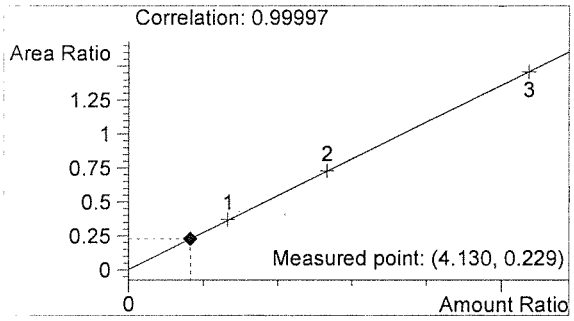
Inj. Date: 1/14/2015 5:25:48 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

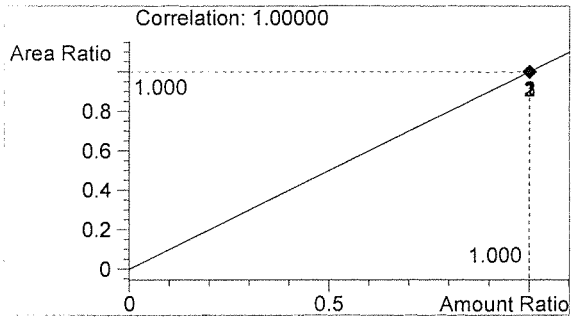
Sample Name: 15004 #4
Operator: Naziha Nuwayhid, PhD
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	353	1.018
2	n-Propanol	1539	1.743



Ethanol 0.050 g/100mL



n-Propanol 0.012 g/100mL

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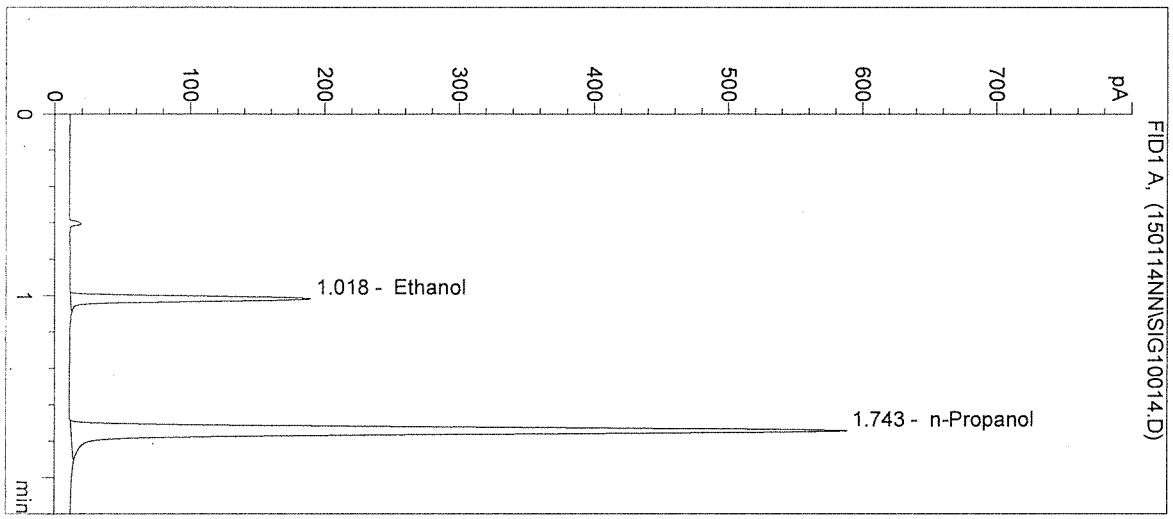
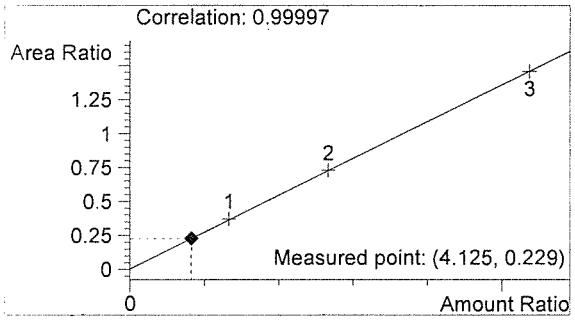
Inj. Date: 1/14/2015 5:29:01 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

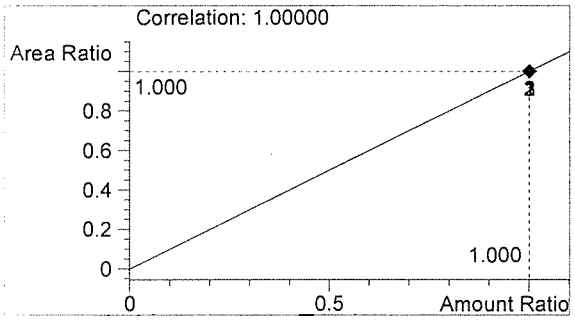
Sample Name: 15004 #5
Operator: Naziha Nuwayhid, PhD
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	353	1.018
2	n-Propanol	1540	1.743



Ethanol 0.050 g/100mL



n-Propanol 0.012 g/100mL

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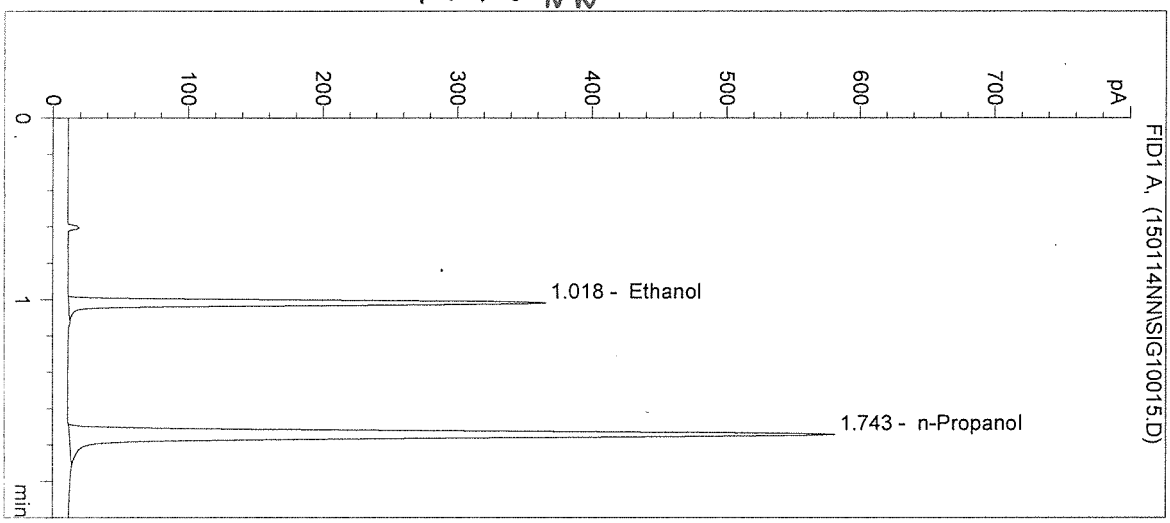
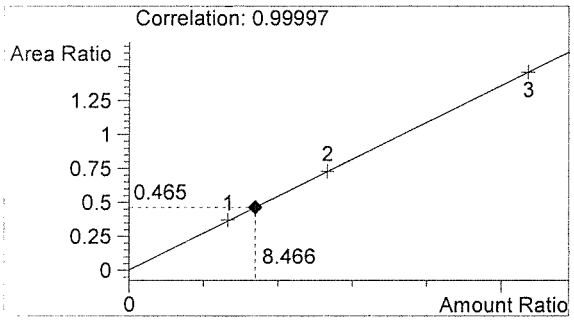
Inj. Date: 1/14/2015 5:32:15 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: POS CTRL: 0.10 g/100mL
15004, ~~15005, 15006, 15007, 15008~~
1.15.15 NN

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

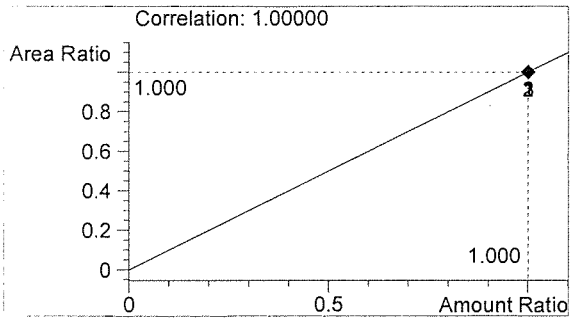
->



#	Compound	Peak Area	RT (min)
1	Ethanol	706	1.018
2	n-Propanol	1521	1.743



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

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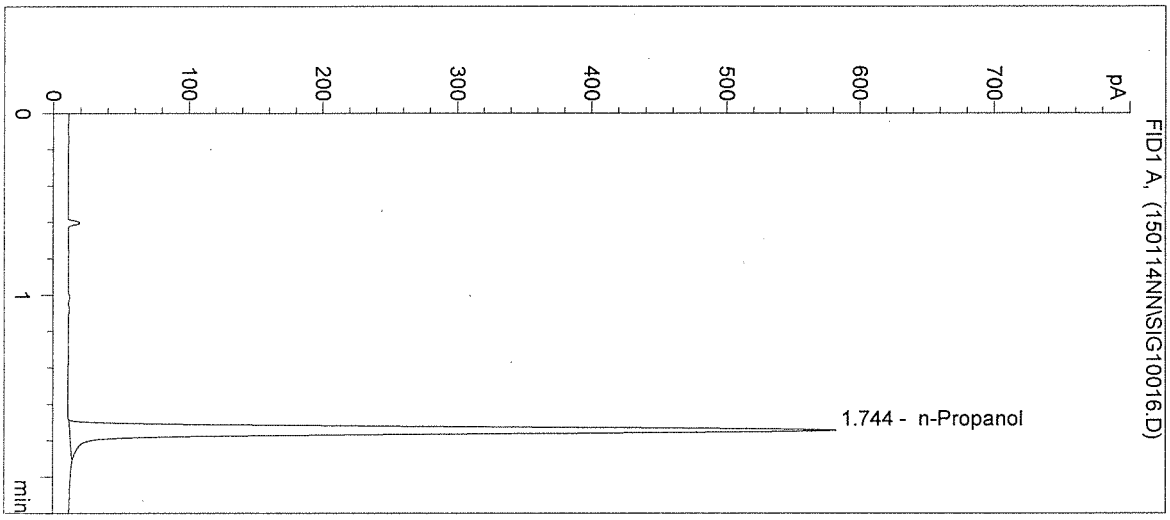
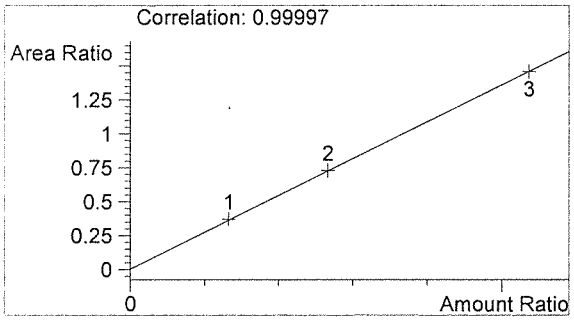
Inj. Date: 1/14/2015 5:35:28 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 15004, ~~15005, 15006, 15007, 15008~~
1.15.15 MW

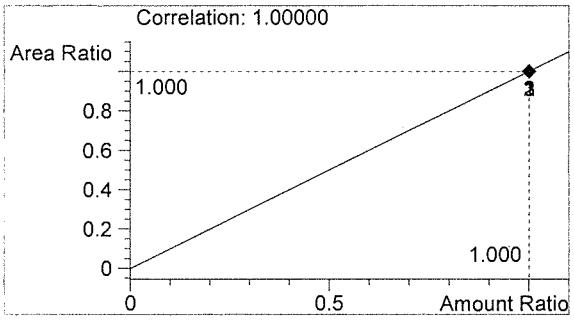
Sample Name: NEG CTRL
Operator: Naziha Nuwayhid, PhD
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1522	1.744



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL
