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

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

QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 14044

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: 09/29/2014
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Christopher S. Johnston

	CSJ	JLK	AG
1	0.049	0.049	0.049
2	0.050	0.049	0.049
3	0.050	0.049	0.049
4	0.049	0.049	0.049
5	0.050	0.049	0.049
C	0.101	0.101	0.101

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

RESULTS OF TESTING
AVERAGE SOLUTION CONCENTRATION: 0.0492 g/100mL
STANDARD DEVIATION: 0.00041
PRECISION CV (%): 0.84
NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.0400 g/210L**
EXPANDED UNCERTAINTY: ± 0.0008 (k=2, 95.45% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

Lisa Noble — Forensic Scientist Supervisor — 11/4/14 DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
CSJ	Christopher S. Johnston		09/29/2014
JLK	Justin L. Knoy		10/09/2014
AG	Andrew Gingras		10/09/2014

This report applies only to the item being tested and shall not be reproduced except in full, without the written approval of the WSP Toxicology Laboratory Division.

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

QAP Solution Batch #: 14044 **Date Prepared:** 9/29/2014

Analyst:	CSJ	JLK	AG
Date Tested:	9/29/2014	10/9/2014	10/9/2014
Instrument:	HSGC #3	HSGC #3	HSGC #3
1	0.049	0.049	0.049
2	0.050	0.049	0.049
3	0.050	0.049	0.049
4	0.049	0.049	0.049
5	0.050	0.049	0.049
C	0.101	0.101	0.101

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000047213	0.0000000000	0.0001016326

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

Average Solution Concentration: 0.0492 g/100mL
Standard Deviation: 0.00041 g/100mL
Precision CV (%): 0.84
Equivalent Vapor Concentration: 0.0400 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) Lnoble (Signature) 10/27/14 (Date)

Calculations verified by: Amanda H. Black (Name) (Signature) 11-4-2014 (Date)

Method: Hand calculation

Tech. review performed by: Lisa Noble (Name) Lnoble (Signature) 10/27/14 (Date)

Lh

Washington State Patrol Toxicology Laboratory Division

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda M. Black Date: 11-4-2014

Location: WSP-FLSB Seattle, WA Solution Batch Number: 1404Y

	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: 11-4-2014

Reviewer Signature: N/A AB 11-4-14 Date:

Washington State Patrol Toxicology Laboratory Division

SOLUTION CERTIFICATE REVIEW

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

Please initial and date below to affirm that you have:

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

	Initials	Date
Amanda Chandler		
Andrew Gingras		11/3/14
Asa Louis		
Brittany Ball		
Christie Mitchell-Mata		
Christopher Johnston	CJ	10/27/14
Dawn Sklerov		
Justin Knoy	JK	10.31.14
Katie Knorr		
Lyndsey Lowe		
Naziha Nuwayhid		
Rebecca Flaherty		

Batch # 14044 fn 10/27/14

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 14044

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

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

I possess the following qualifications: BS degree in Biochemistry.

The quality assurance procedure (QAP) solution, Lot Number 14044, was prepared in the Washington State Toxicology Laboratory on 9/29/2014. 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 9/29/2015.

Seattle, WA

10/27/14

Christopher S. Johnston Date
Forensic Toxicologist

JAY INSLEE
Governor

JOHN R. BATISTE
Chief

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WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY
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0.04 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION CERTIFICATION FOR LOT 14044

I, Justin L. Knoy, do certify under penalty of perjury that:

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

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

The quality assurance procedure (QAP) solution, Lot Number 14044, was prepared in the Washington State Toxicology Laboratory on 9/29/2014. 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 9/29/2015.

Seattle, WA

10.31.14

Justin L. Knoy — Date
Forensic Toxicologist

JAY INSLEE
Governor

JOHN R. BATISTE
Chief

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0.04 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION CERTIFICATION FOR LOT 14044

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 14044, was prepared in the Washington State Toxicology Laboratory on 9/29/2014. 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 9/29/2015.

Seattle, WA

11/3/14

Andrew Gingras — Date

Forensic Toxicologist

WSP-TLD COMBINED SIMULATOR SOLUTION PREPARATION WORKSHEET

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

Preparation Date: 9/29/2014 Initials of Preparer: CJ

Expiration Date: 9/29/2015

Lot # of 200-proof Ethanol used in preparation: 2CK0002

Date the 200-proof Ethanol bottle was opened: 8·29·14

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.

Simulator Solution	Volume of Ethanol (mL)	Volume of Deionized Water (L)		Batch Number
QAP 0.04	11.2	18	✓	14044
QAP 0.08	22.4	18	✓	14045
QAP 0.10	28.1	18	✓	14046
QAP 0.15	42.1	18	✓	14047
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	✓	9/29/14 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: QAP 0.15 Ethanol 200-proof opened 9/29/2014 SAME LOT # CJ 10/3/14
14046 Did not meet criteria and was not packaged CJ 10/3/14

Analyst Signature 9/29/14 Date

Sequence Parameters:

Operator:	Chris Johnston
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\2\DATA\
Data Subdirectory:	140929CJ
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 2/19/15
Cal 2 (0.158 g/100mL) - Lot#E0814-02 - Exp 2/19/15
Cal 3 (0.316 g/100mL) - Lot#E0814-03 - Exp 2/19/15

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# P0814 - Exp 10/30/14

14044
~~14045~~ 10/13/14
~~14046~~ 10/13/14
~~14047~~ 10/13/14
Stamped 10/3/14 10/13/14

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 Control	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 Control	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 Control	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 Control	SIMALC3	1	Ctrl Samp		
9	Vial 9	Neg Control	SIMALC3	1	Ctrl Samp		
10	Vial 10	14044-1	SIMALC3	1	Sample		
11	Vial 11	14044-2	SIMALC3	1	Sample		
12	Vial 12	14044-3	SIMALC3	1	Sample		
13	Vial 13	14044-4	SIMALC3	1	Sample		
14	Vial 14	14044-5	SIMALC3	1	Sample		
15	Vial 15	0.10 Control	SIMALC3	1	Ctrl Samp		
16	Vial 16	Neg Control	SIMALC3	1	Ctrl Samp		
17	Vial 17	14045-1	SIMALC3	1	Sample		
18	Vial 18	14045-2	SIMALC3	1	Sample		
19	Vial 19	14045-3	SIMALC3	1	Sample		
20	Vial 20	14045-4	SIMALC3	1	Sample		
21	Vial 21	14045-5	SIMALC3	1	Sample		
22	Vial 22	0.10 Control	SIMALC3	1	Ctrl Samp		
23	Vial 23	Neg Control	SIMALC3	1	Ctrl Samp		
24	Vial 24	14046-1	SIMALC3	1	Sample		
25	Vial 25	14046-2	SIMALC3	1	Sample		
26	Vial 26	14046-3	SIMALC3	1	Sample		

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

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
27	Vial 27	14046-4	SIMALC3	1	Sample		
28	Vial 28	14046-5	SIMALC3	1	Sample		
29	Vial 29	0.10 Control	SIMALC3	1	Ctrl Samp		
30	Vial 30	Neg Control	SIMALC3	1	Ctrl Samp		
31	Vial 31	14047-1	SIMALC3	1	Sample		
32	Vial 32	14047-2	SIMALC3	1	Sample		
33	Vial 33	14047-3	SIMALC3	1	Sample		
34	Vial 34	14047-4	SIMALC3	1	Sample		
35	Vial 35	14047-5	SIMALC3	1	Sample		
36	Vial 36	0.10 Control	SIMALC3	1	Ctrl Samp		
37	Vial 37	Neg Control	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!

14044

~~14045~~ Jn 10/13/14

~~14046~~ Jn 10/13/14

~~14047~~ Jn 10/13/14

Stamped 10/3/14

Jn 10/13/14

Jn

CJ

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

Calibration Table

Calib. Data Modified : Friday, October 03, 2014 9:10:10 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

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10/13/14

Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.019	1	1	7.95500e-2	561.95215	1.41560e-4		1	Ethanol
		2	1.59740e-1	1102.06897	1.44946e-4			
		3	3.21980e-1	2237.04004	1.43931e-4			
1.743	1	1	1.20000e-2	1589.63574	7.54890e-6		I1	n-Propanol
		2	1.20000e-2	1556.90698	7.70759e-6			
		3	1.20000e-2	1577.03894	7.60920e-6			

Peak Sum Table

No Entries in table

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Calibration Curves

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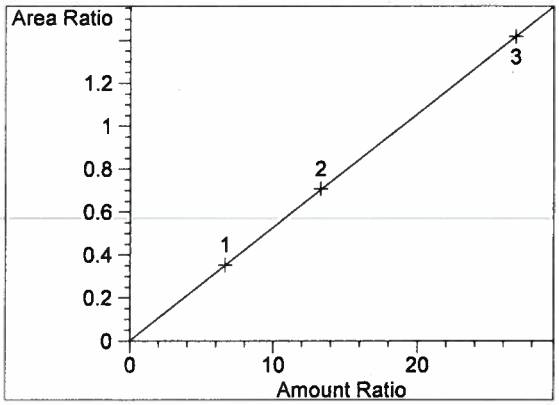
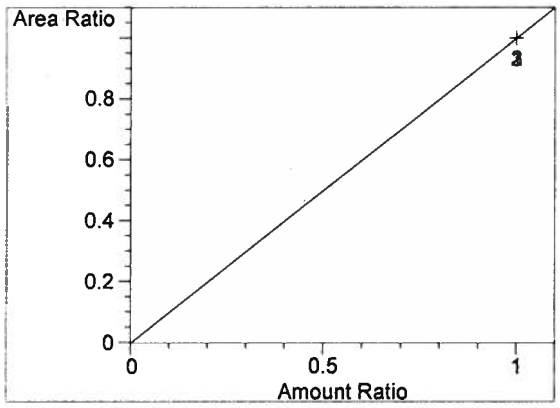


Ethanol at exp. RT: 1.019
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00257
Formula: y = mx + b
m: 5.28446e-2
b: 2.04983e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.743
FID1 A,
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount Ratio
y: Area Ratio

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14044

10/13/14

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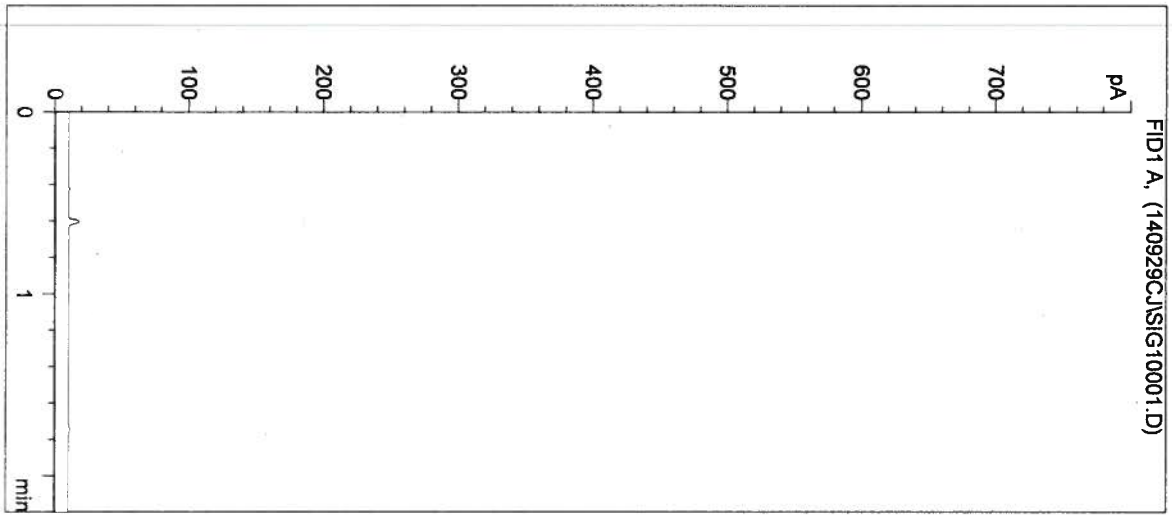
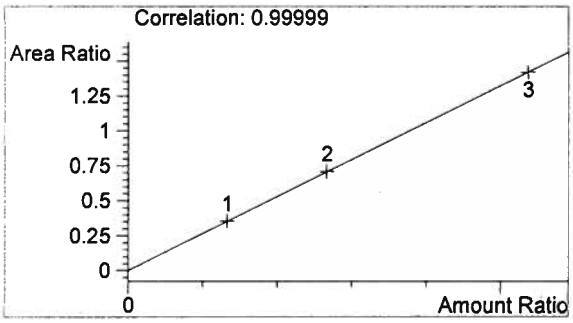
Inj. Date: 9/29/2014 2:38:03 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

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

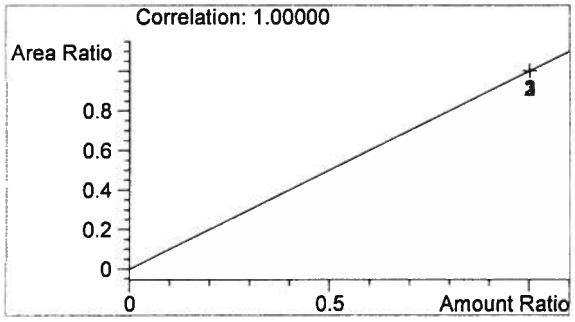


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	0	0.000



Ethanol 0.000 g/100mL

14044
Lm 10/13/14



n-Propanol 0.000 g/100mL

Washington State Patrol Toxicology Laboratory
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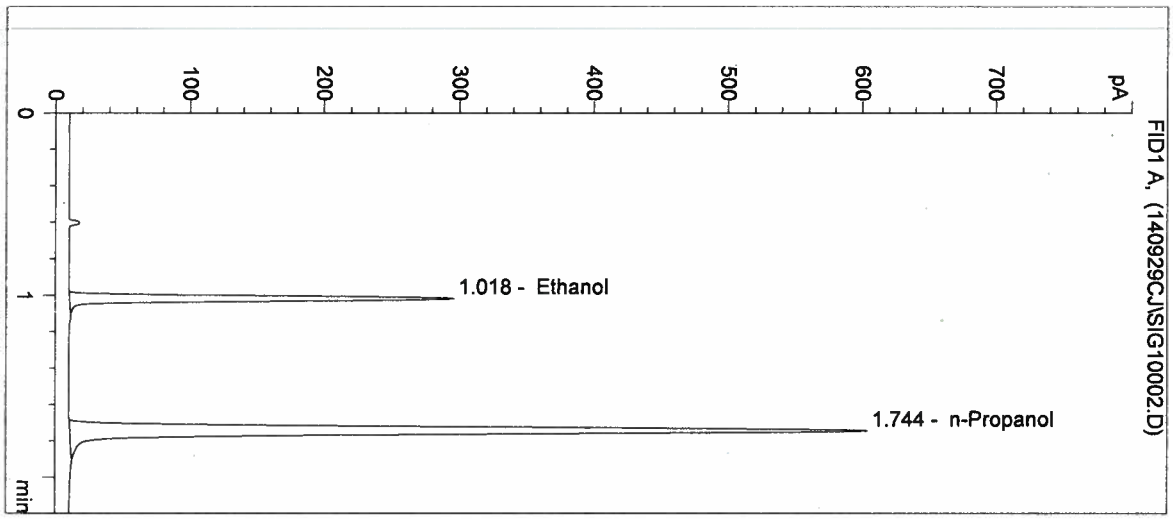
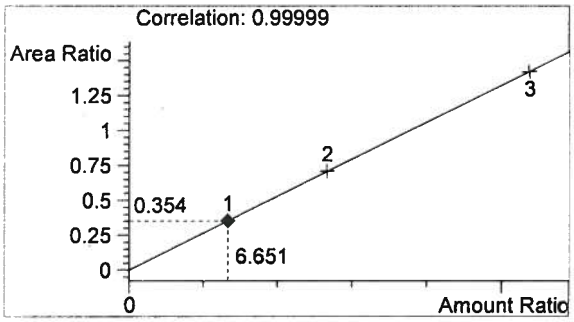
Inj. Date: 9/29/2014 2:41:22 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

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

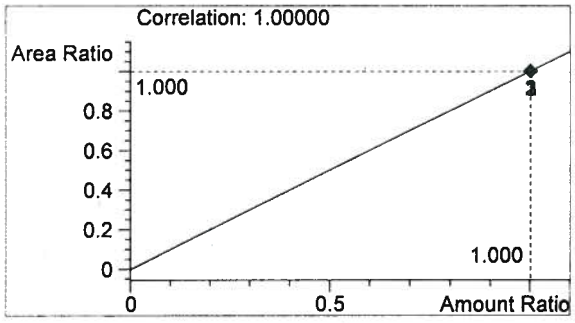


#	Compound	Peak Area	RT (min)
1	Ethanol	562	1.018
2	n-Propanol	1590	1.744



Ethanol 0.080 g/100mL

14044
Jn 10/13/14



n-Propanol 0.012 g/100mL

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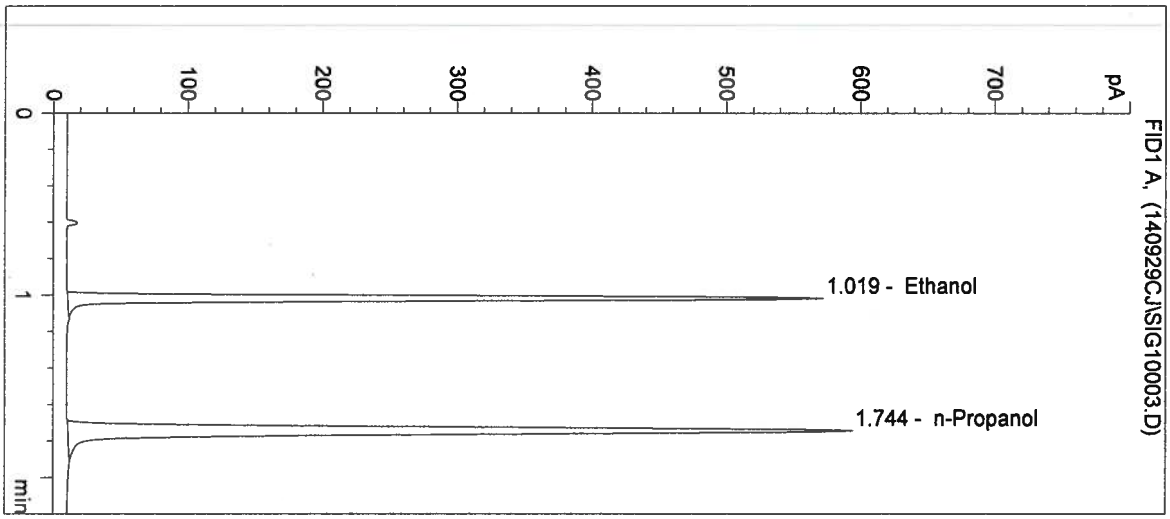
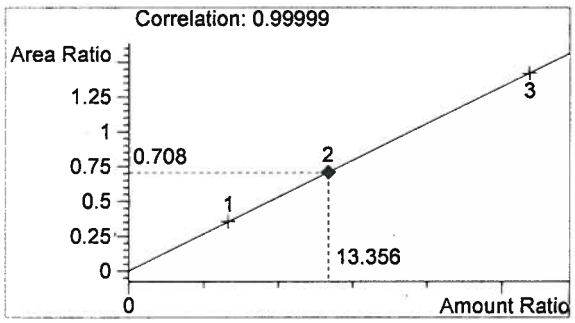
Inj. Date: 9/29/2014 2:44:39 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

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

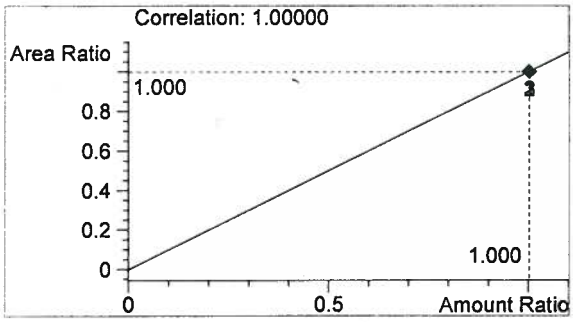


#	Compound	Peak Area	RT (min)
1	Ethanol	1102	1.019
2	n-Propanol	1557	1.744



Ethanol 0.160 g/100mL

14044
fm 10/13/14



n-Propanol 0.012 g/100mL

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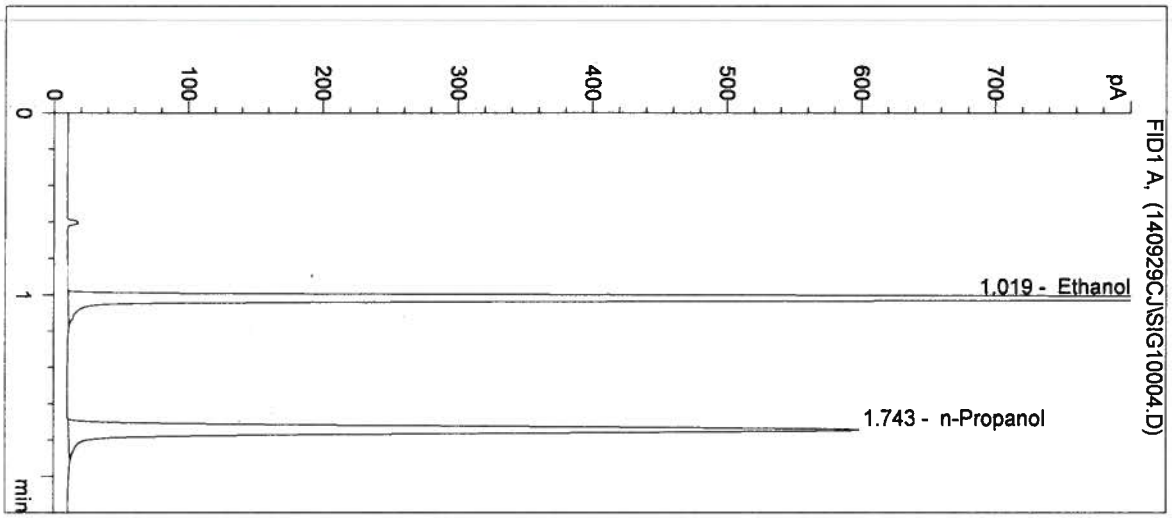
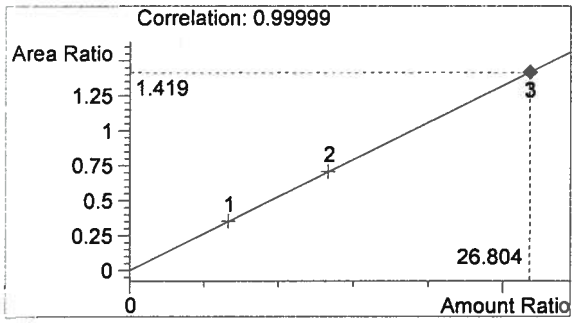
Inj. Date: 9/29/2014 2:47:56 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

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

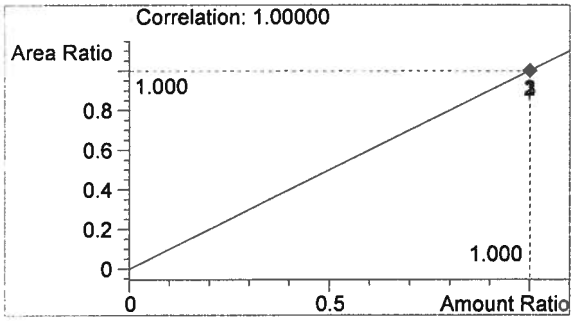


#	Compound	Peak Area	RT (min)
1	Ethanol	2237	1.019
2	n-Propanol	1577	1.743



Ethanol 0.322 g/100mL

14044
10/13/14

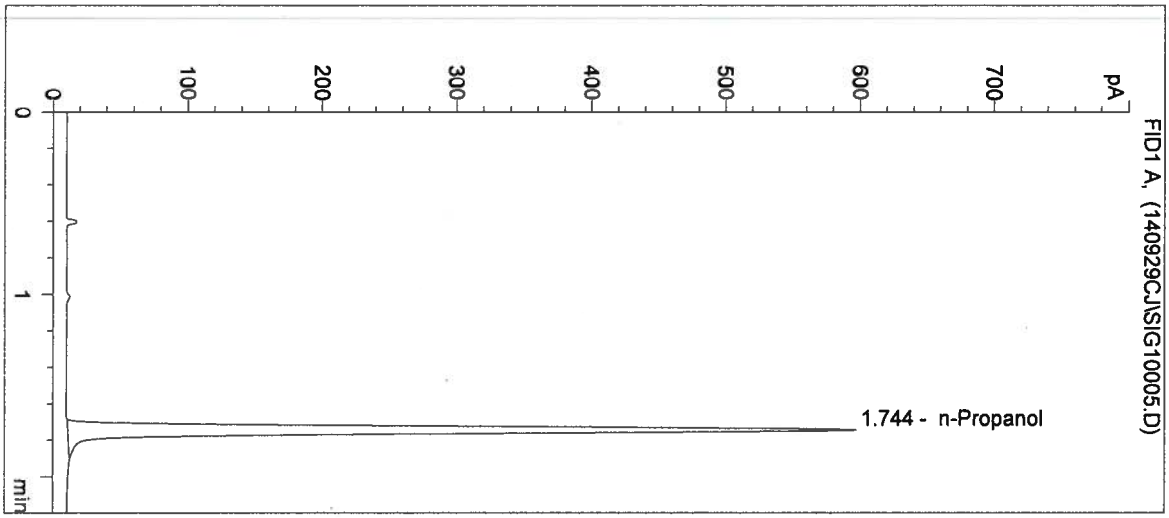


n-Propanol 0.012 g/100mL

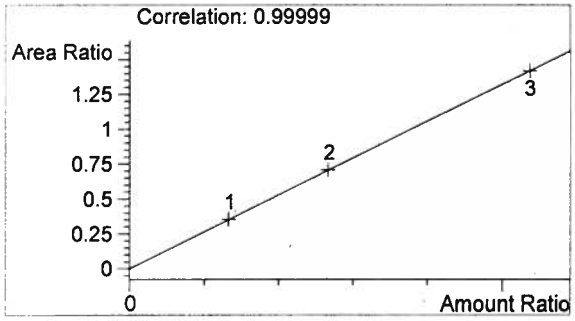
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/29/2014 2:51:09 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

Sample Name: Neg Control
Operator: Chris Johnston
Location: Vial 5

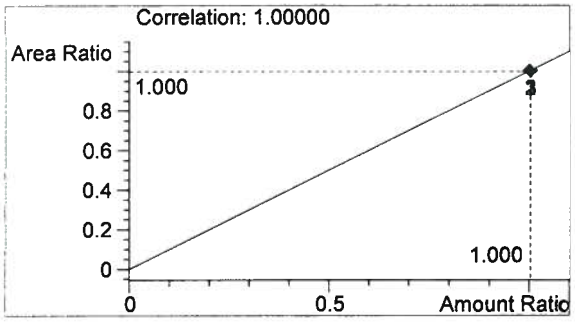


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1573	1.744



Ethanol 0.000 g/100mL

14044
10/13/14

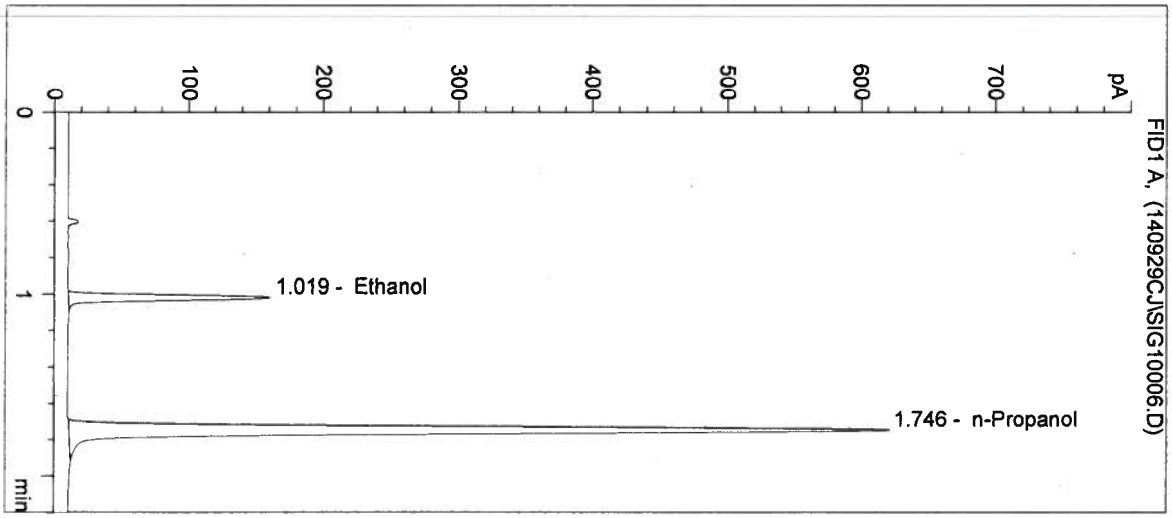


n-Propanol 0.012 g/100mL

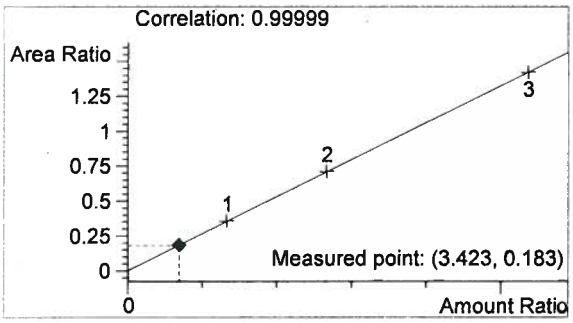
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/29/2014 2:54:22 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

Sample Name: 0.04 Control
Operator: Chris Johnston
Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	299	1.019
2	n-Propanol	1637	1.746



Ethanol 0.041 g/100mL

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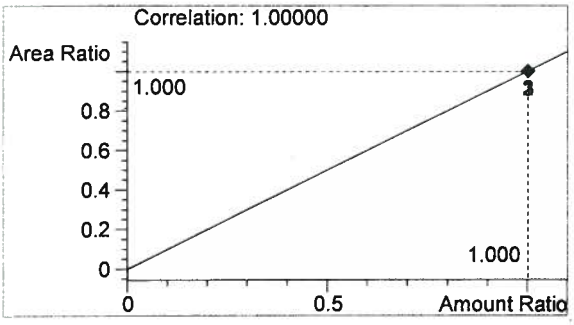
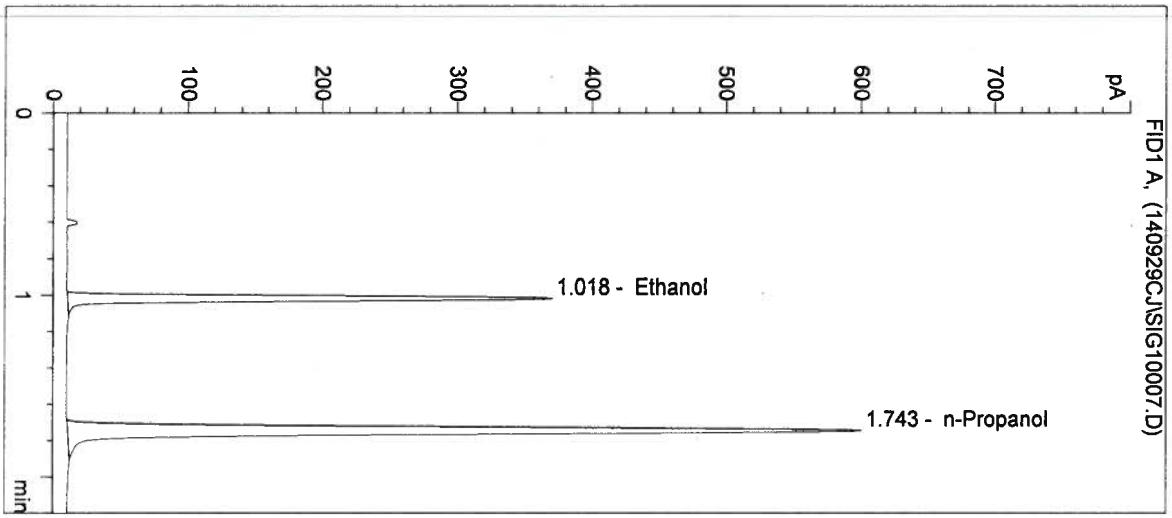


n-Propanol 0.012 g/100mL

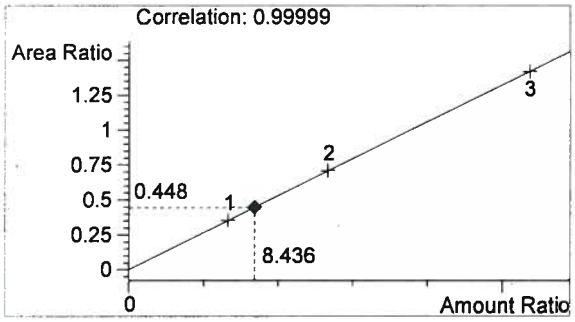
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/29/2014 2:57:35 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

Sample Name: 0.10 Control
Operator: Chris Johnston
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	707	1.018
2	n-Propanol	1579	1.743



Ethanol 0.101 g/100mL

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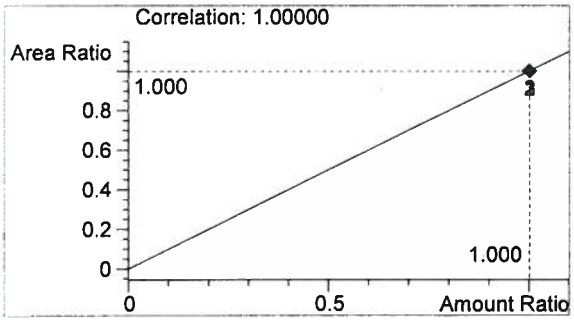
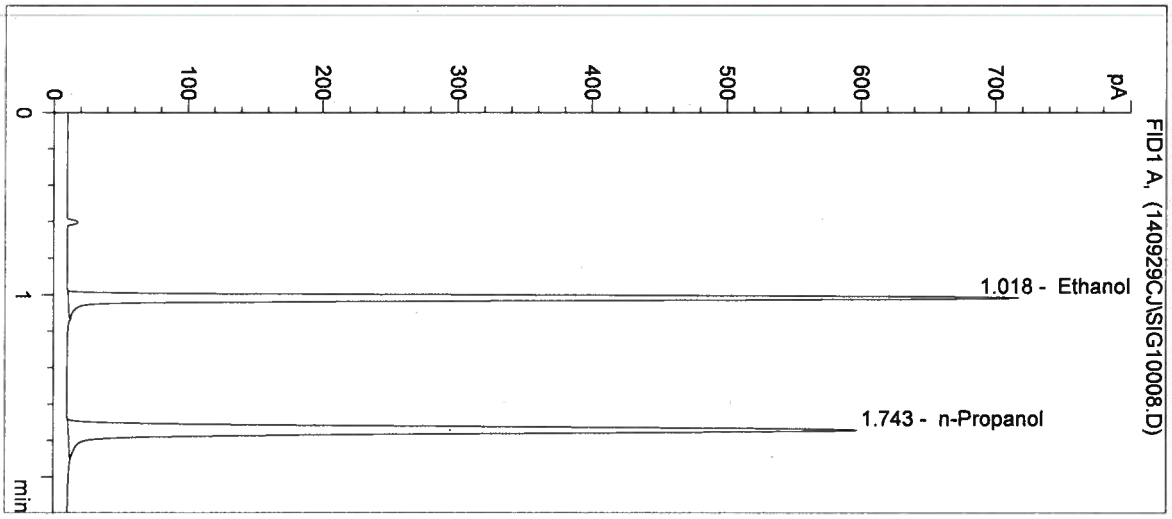


n-Propanol 0.012 g/100mL

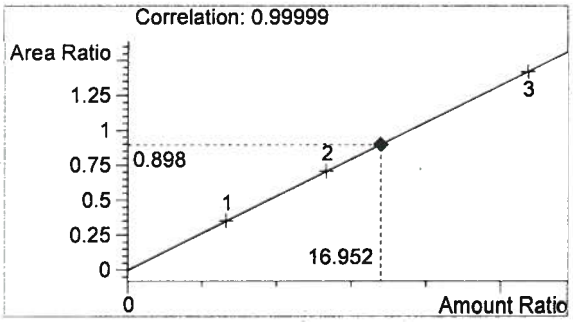
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/29/2014 3:00:49 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

Sample Name: 0.20 Control
Operator: Chris Johnston
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	1410	1.018
2	n-Propanol	1571	1.743



Ethanol 0.203 g/100mL

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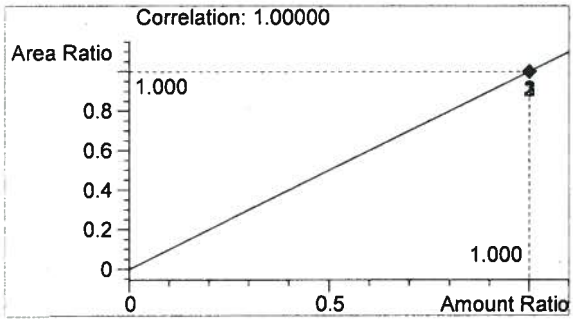
fn 10/13/14

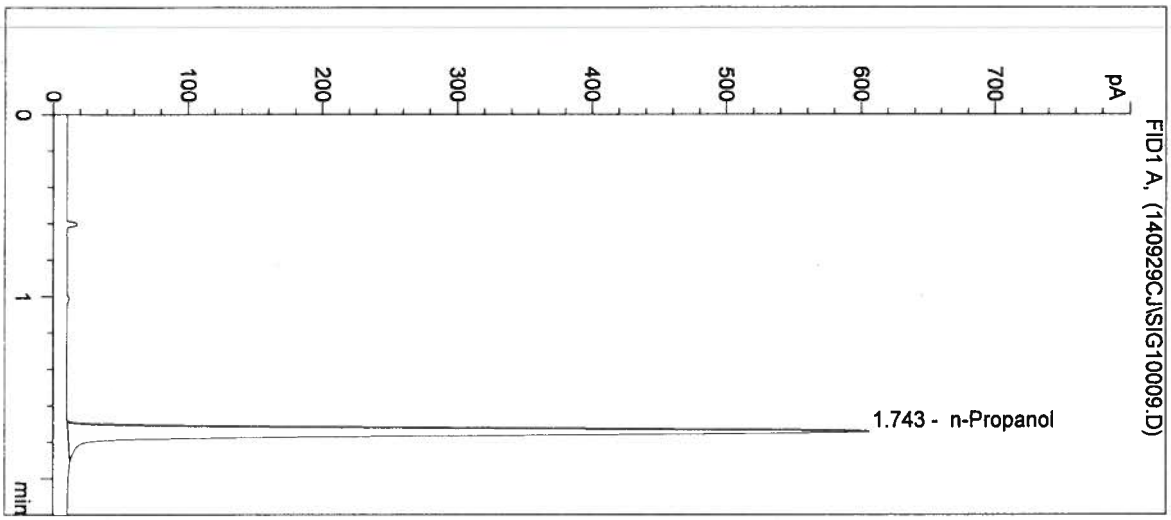


n-Propanol 0.012 g/100mL

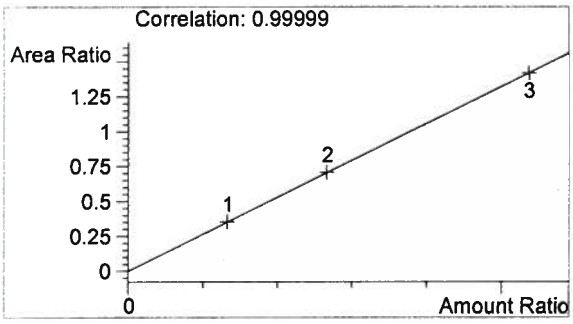
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/29/2014 3:04:03 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

Sample Name: Neg Control
Operator: Chris Johnston
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1593	1.743



Ethanol 0.000 g/100mL

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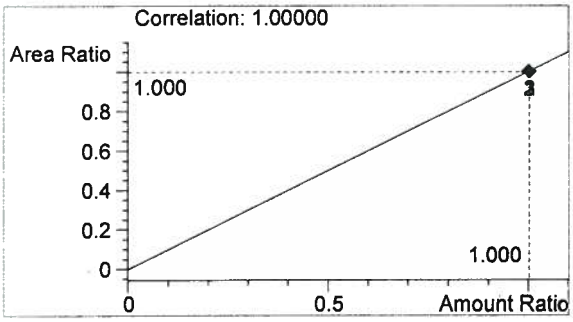
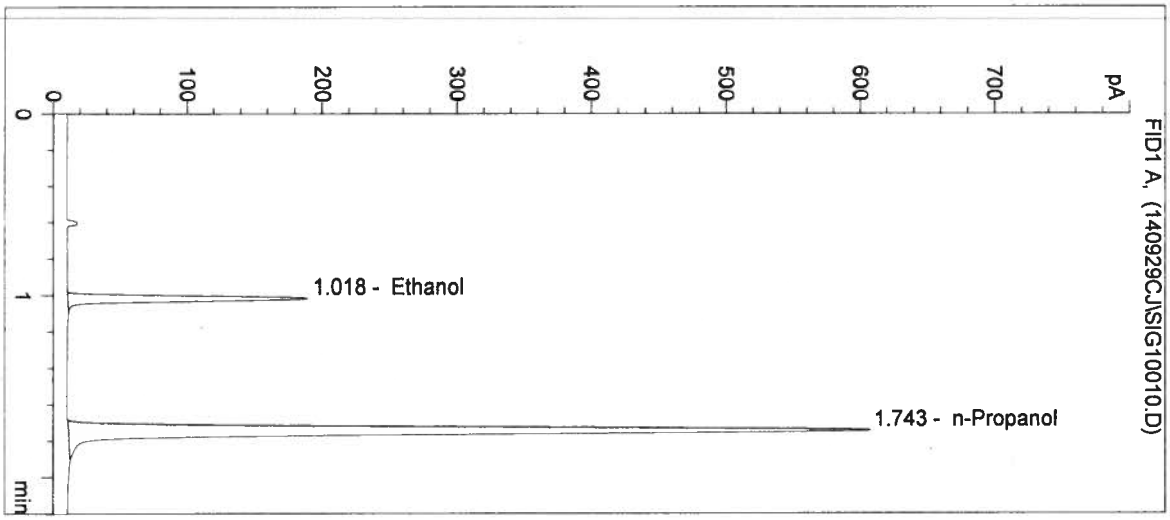


n-Propanol 0.012 g/100mL

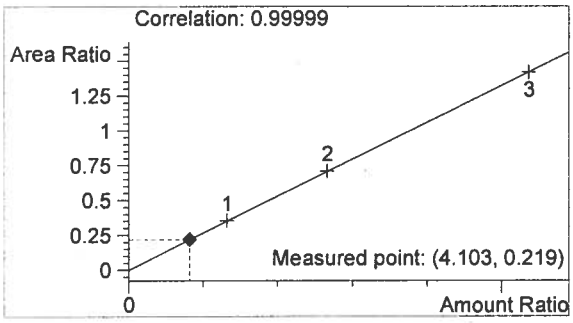
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/29/2014 3:07:15 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

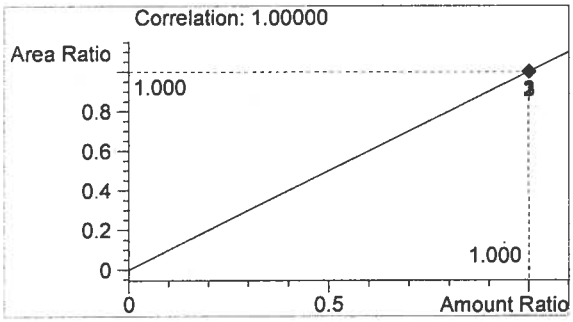
Sample Name: 14044-1
Operator: Chris Johnston
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	349	1.018
2	n-Propanol	1594	1.743



Ethanol 0.049 g/100mL

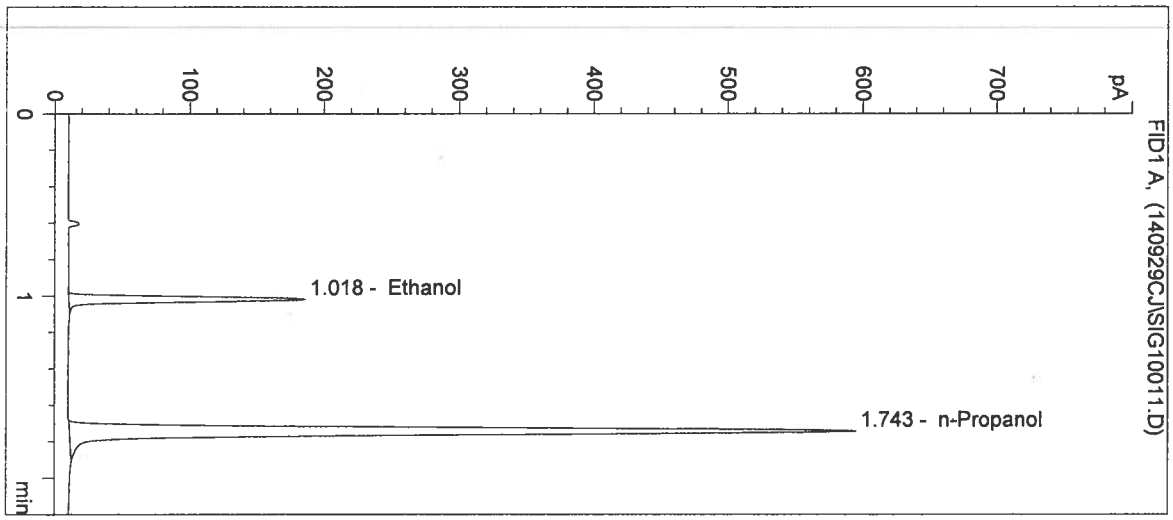


n-Propanol 0.012 g/100mL

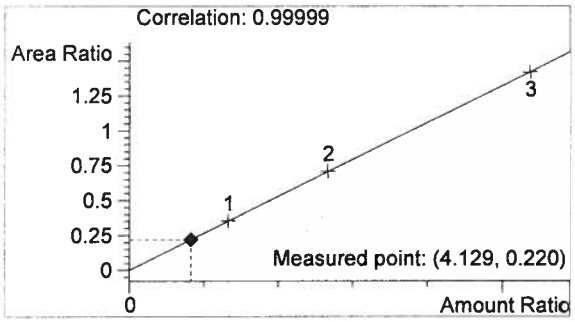
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/29/2014 3:10:29 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

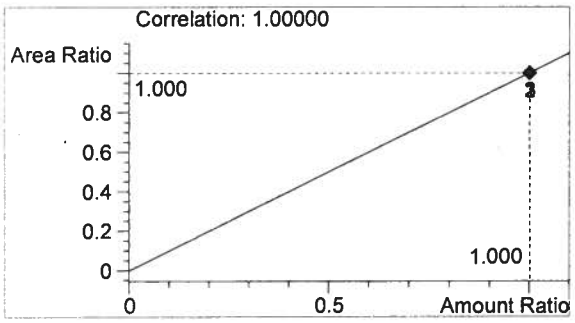
Sample Name: 14044-2
Operator: Chris Johnston
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	345	1.018
2	n-Propanol	1566	1.743



Ethanol 0.050 g/100mL

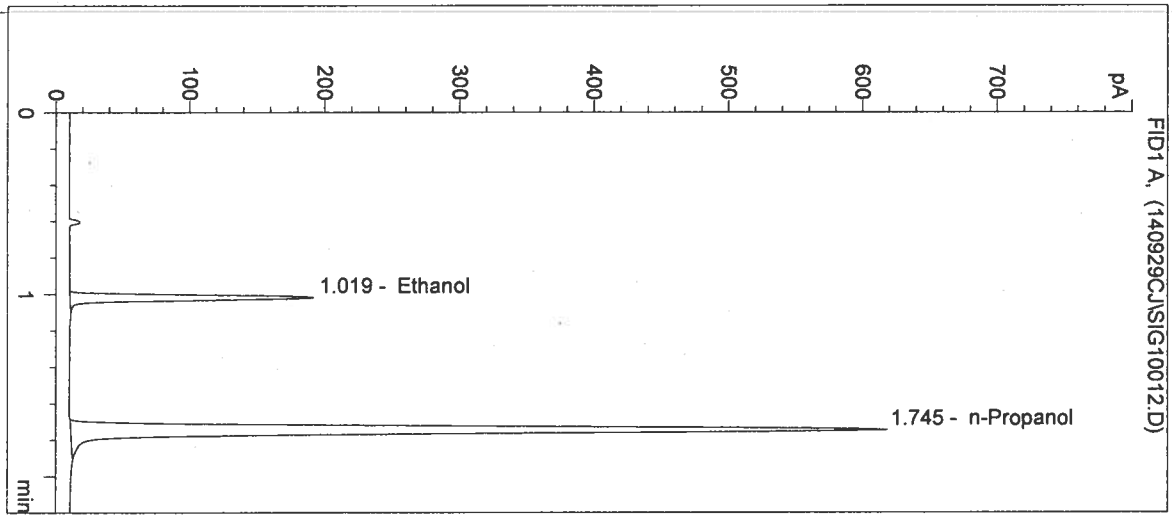


n-Propanol 0.012 g/100mL

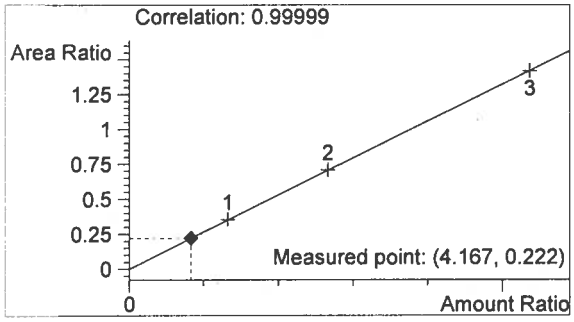
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/29/2014 3:13:42 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

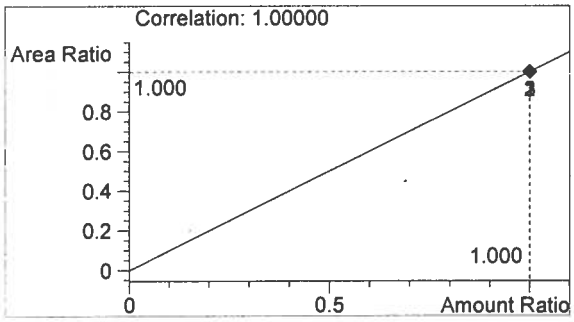
Sample Name: 14044-3
Operator: Chris Johnston
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	362	1.019
2	n-Propanol	1628	1.745



Ethanol 0.050 g/100mL



n-Propanol 0.012 g/100mL

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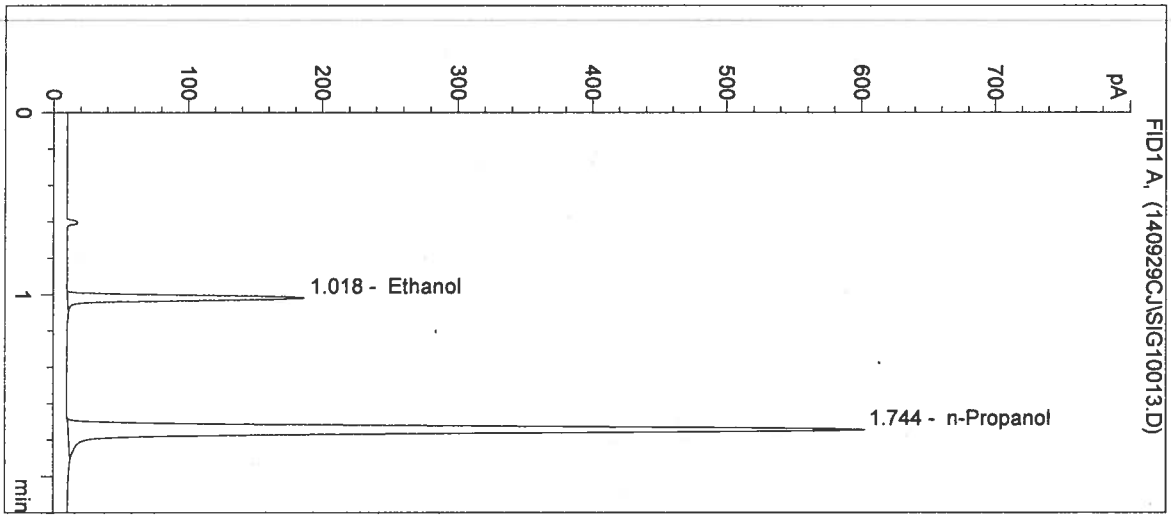
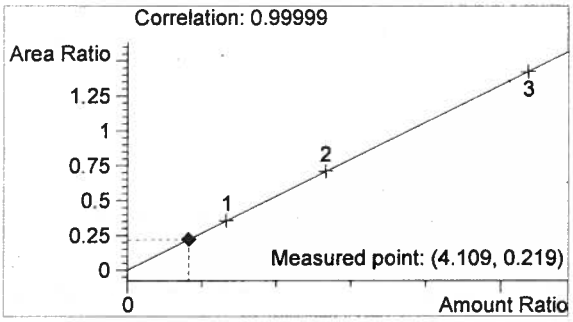
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/29/2014 3:16:55 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

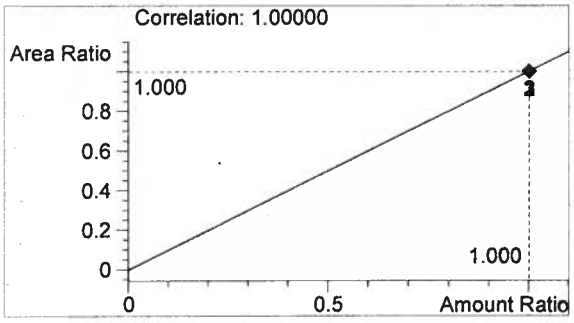
Sample Name: 14044-4
Operator: Chris Johnston
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	347	1.018
2	n-Propanol	1583	1.744



Ethanol 0.049 g/100mL

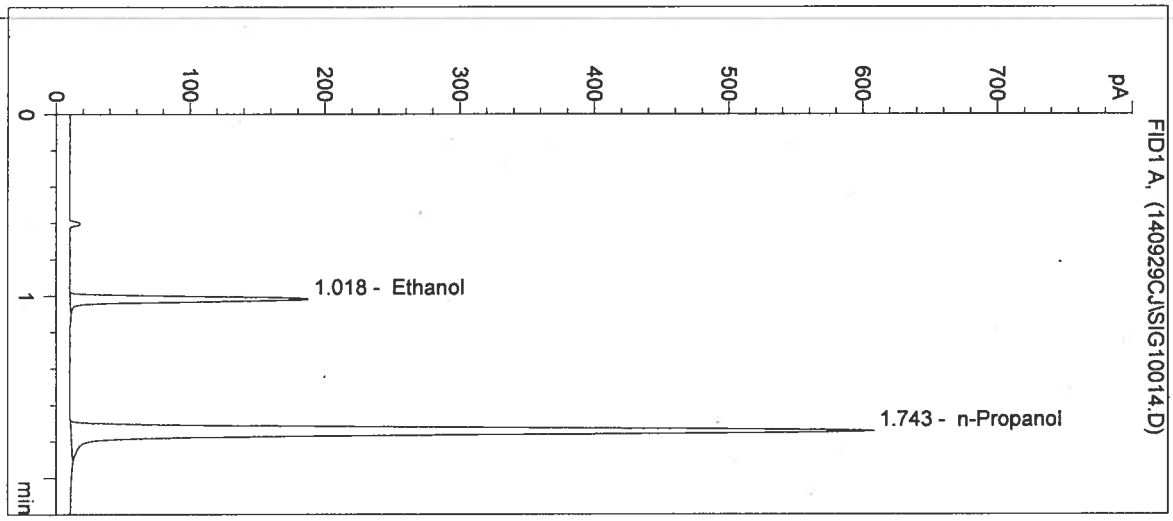


n-Propanol 0.012 g/100mL

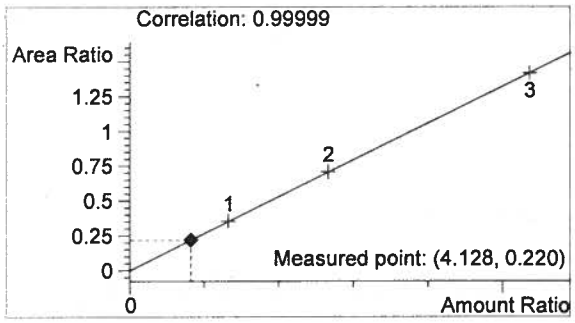
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/29/2014 3:20:08 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

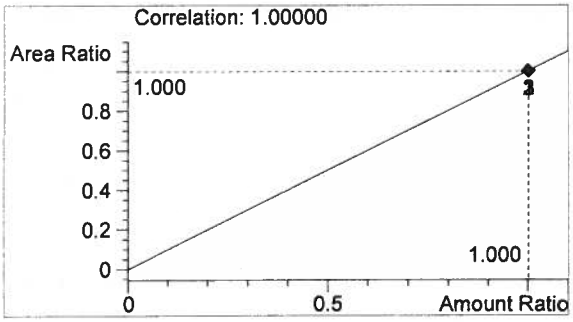
Sample Name: 14044-5
Operator: Chris Johnston
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	354	1.018
2	n-Propanol	1606	1.743



Ethanol 0.050 g/100mL

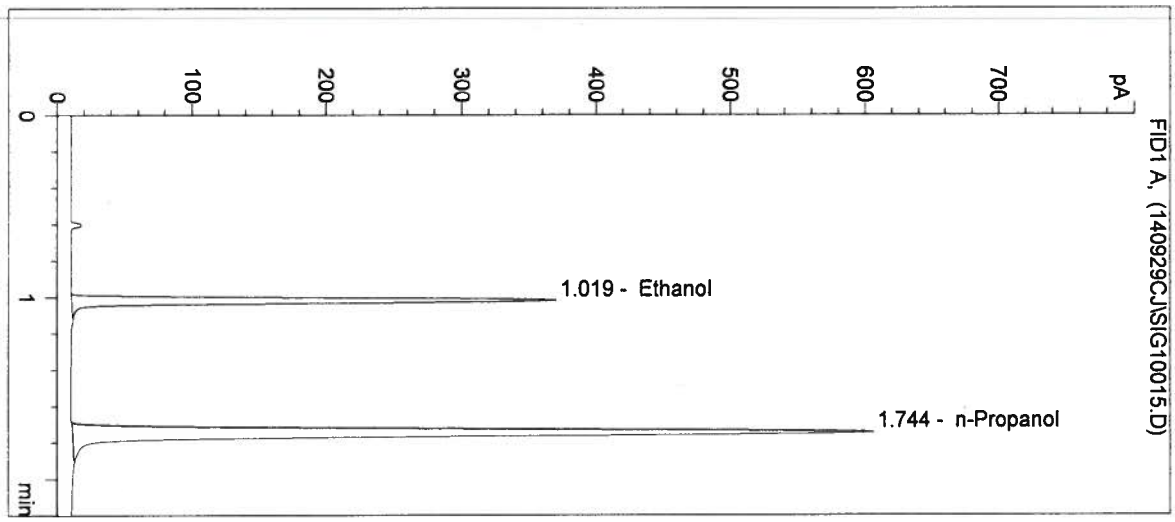


n-Propanol 0.012 g/100mL

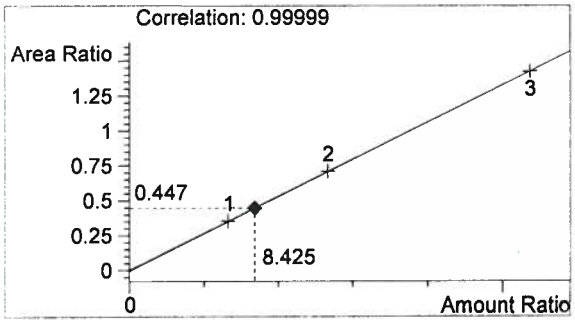
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/29/2014 3:23:21 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

Sample Name: 0.10 Control
Operator: Chris Johnston
Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	713	1.019
2	n-Propanol	1593	1.744



Ethanol 0.101 g/100mL

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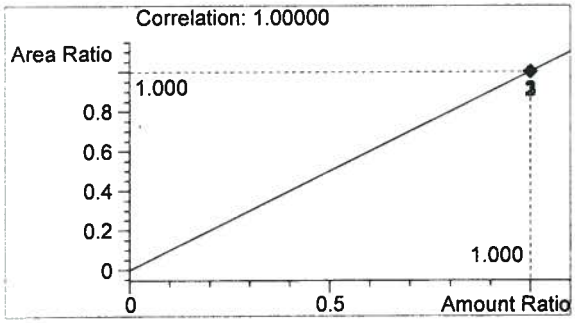
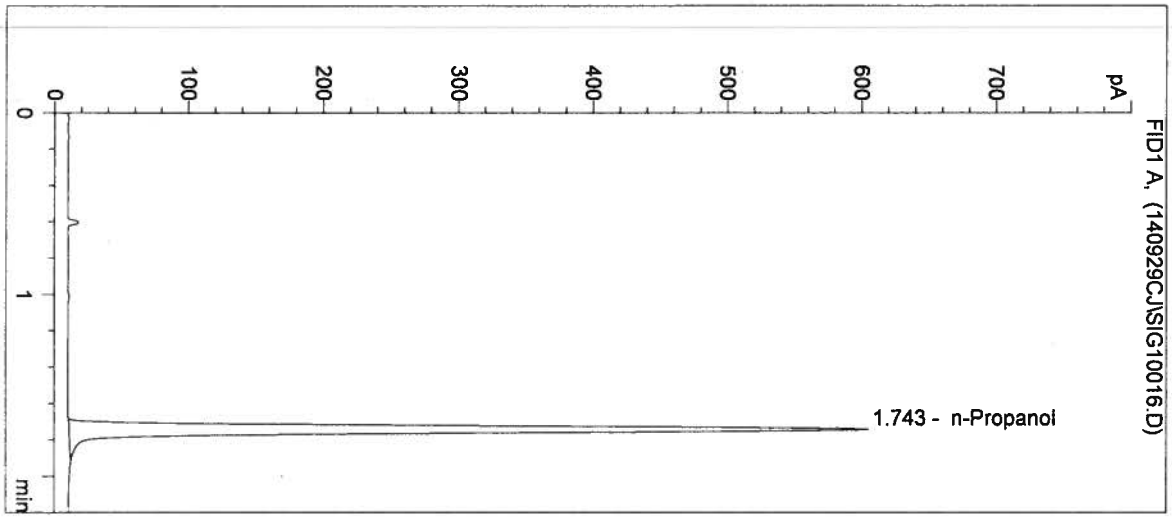


n-Propanol 0.012 g/100mL

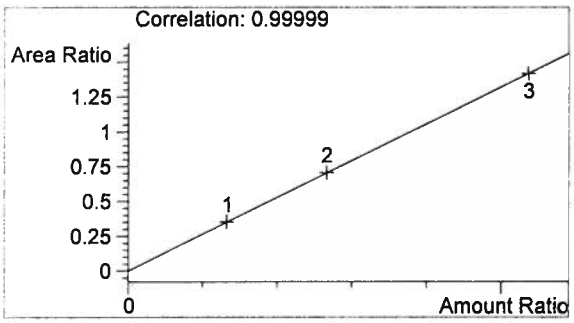
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/29/2014 3:26:35 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

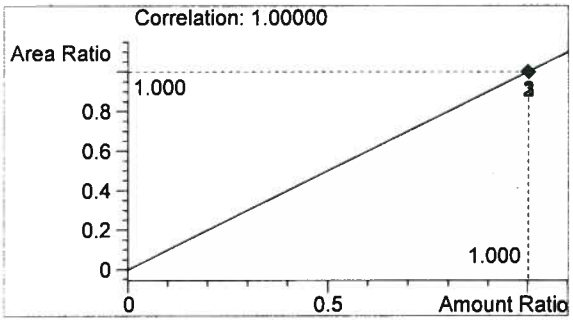
Sample Name: Neg Control
Operator: Chris Johnston
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1597	1.743



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

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10/13/14

Sequence: C:\HPCHEM\2\SEQUENCE\JKQARUN3.S

Sequence Parameters:

Operator:	Justin Knoy
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\2\DATA\
Data Subdirectory:	141009JK
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E0814-01 - Exp. 02/19/2015
Ethanol Calibrator 2, E0814-02 - Exp. 02/19/2015
Ethanol Calibrator 3, E0814-03 - Exp. 02/19/2015
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#P0914 - Exp. 12/29/14

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	CAL1 0.079	SIMALC3	1	Calib		
3	Vial 3	CAL2 0.158	SIMALC3	1	Calib		
4	Vial 4	CAL3 0.316	SIMALC3	1	Calib		
5	Vial 5	NEG CTRL	SIMALC3	1	Ctrl Samp		
6	Vial 6	CTRL1 (0.04)	SIMALC3	1	Ctrl Samp		
7	Vial 7	CTRL2 (0.10)	SIMALC3	1	Ctrl Samp		
8	Vial 8	CTRL3 (0.20)	SIMALC3	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC3	1	Ctrl Samp		
10	Vial 10	14044-1	SIMALC3	1	Sample		
11	Vial 11	14044-2	SIMALC3	1	Sample		
12	Vial 12	14044-3	SIMALC3	1	Sample		
13	Vial 13	14044-4	SIMALC3	1	Sample		
14	Vial 14	14044-5	SIMALC3	1	Sample		
15	Vial 15	CTRL2 (0.10)	SIMALC3	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC3	1	Ctrl Samp		
17	Vial 17	14045-1	SIMALC3	1	Sample		
18	Vial 18	14045-2	SIMALC3	1	Sample		
19	Vial 19	14045-3	SIMALC3	1	Sample		
20	Vial 20	14045-4	SIMALC3	1	Sample		
21	Vial 21	14045-5	SIMALC3	1	Sample		
22	Vial 22	CTRL2 (0.10)	SIMALC3	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC3	1	Ctrl Samp		
24	Vial 24	14053-1	SIMALC3	1	Sample		
25	Vial 25	14053-2	SIMALC3	1	Sample		
26	Vial 26	14053-3	SIMALC3	1	Sample		
27	Vial 27	14053-4	SIMALC3	1	Sample		

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Sequence: C:\HPCHEM\2\SEQUENCE\JKQARUN3.S

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
28	Vial 28	14053-5	SIMALC3	1	Sample		
29	Vial 29	CTRL2 (0.10)	SIMALC3	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC3	1	Ctrl Samp		
31	Vial 31	14047-1	SIMALC3	1	Sample		
32	Vial 32	14047-2	SIMALC3	1	Sample		
33	Vial 33	14047-3	SIMALC3	1	Sample		
34	Vial 34	14047-4	SIMALC3	1	Sample		
35	Vial 35	14047-5	SIMALC3	1	Sample		
36	Vial 36	CTRL2 (0.10)	SIMALC3	1	Ctrl Samp		
37	Vial 37	NEG CTRL	SIMALC3	1	Ctrl Samp		

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval
2	Vial 2	CAL1 0.079	SIMALC3	1	Replace	Replace	
3	Vial 3	CAL2 0.158	SIMALC3	2	Replace	Replace	
4	Vial 4	CAL3 0.316	SIMALC3	3	Replace	Replace	

Sequence Table (Back Injector):

No entries - empty table!

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

Calibration Table

Calib. Data Modified : Thursday, October 09, 2014 11:57:27 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

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Signal 1: FID1 A,

RetTime [min]	Lvl	Sig	Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.019	1	1	7.95500e-2	565.13525	1.40763e-4		1	Ethanol
		2	1.59740e-1	1115.41956	1.43211e-4			
		3	3.21980e-1	2253.18872	1.42900e-4			
1.743	1	1	1.20000e-2	1528.10498	7.85286e-6		I1	n-Propanol
		2	1.20000e-2	1501.85999	7.99009e-6			
		3	1.20000e-2	1520.36255	7.89285e-6			

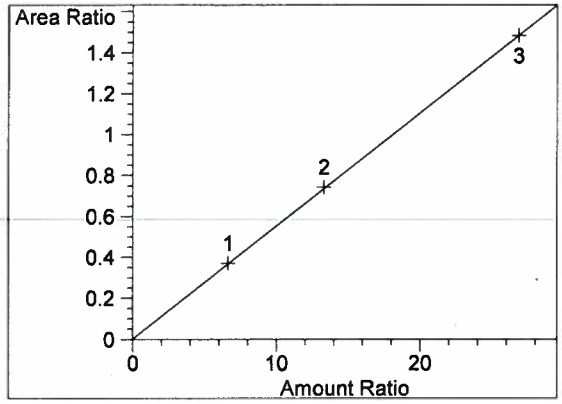
Peak Sum Table

No Entries in table

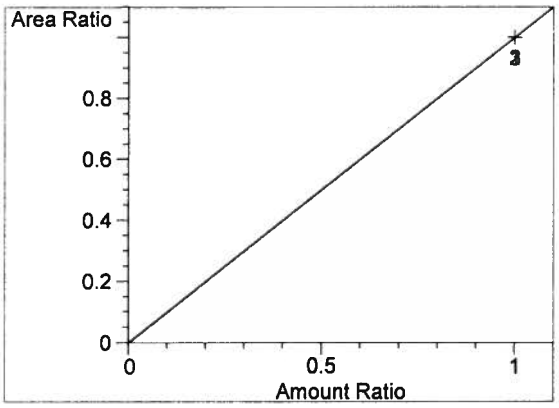
==========

Calibration Curves

==========



Ethanol at exp. RT: 1.019
FID1 A,
Correlation: 0.99998
Residual Std. Dev.: 0.00435
Formula: y = mx + b
m: 5.52169e-2
b: 2.97407e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.743
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

==========

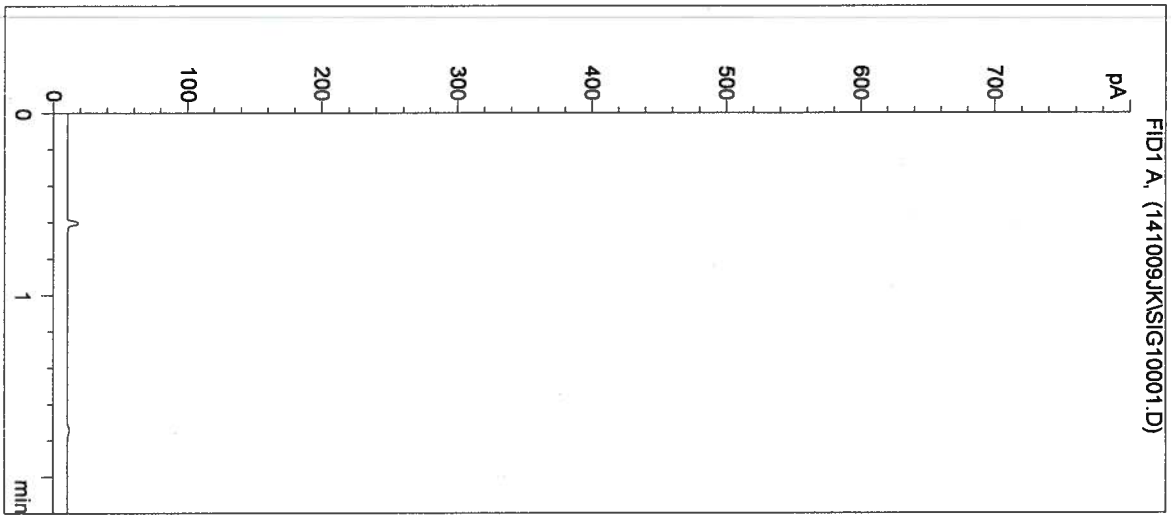
14044

fn 10/13/14

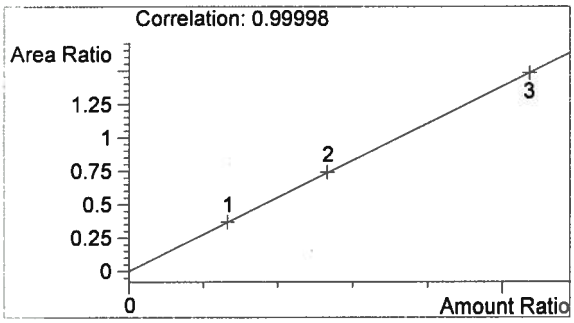
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/9/2014 11:45:22 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

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

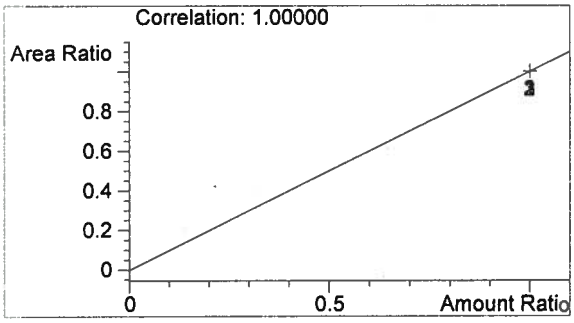


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	0	0.000



Ethanol 0.000 g/100mL

14044
Jn 10/13/14

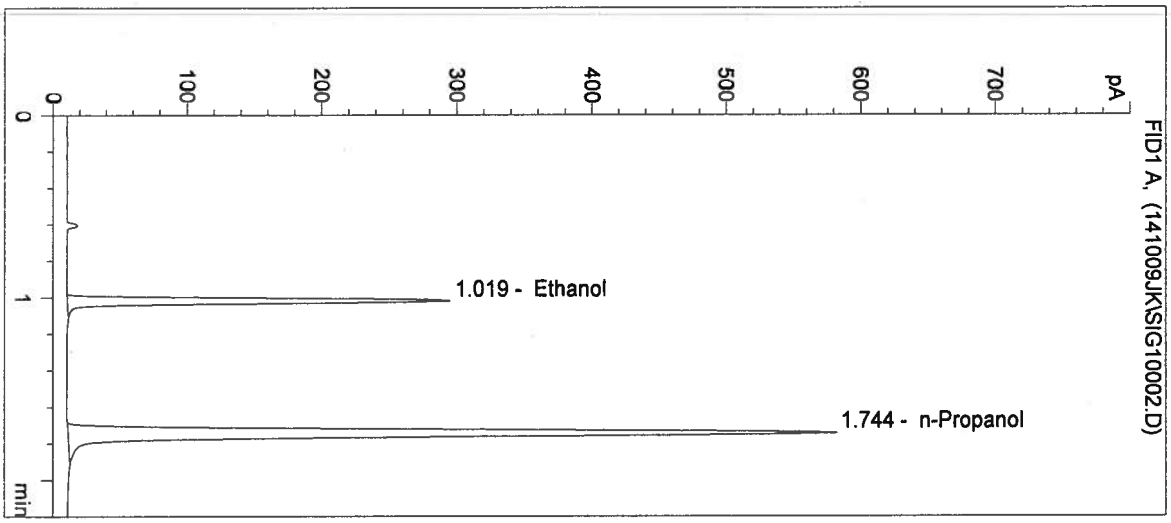


n-Propanol 0.000 g/100mL

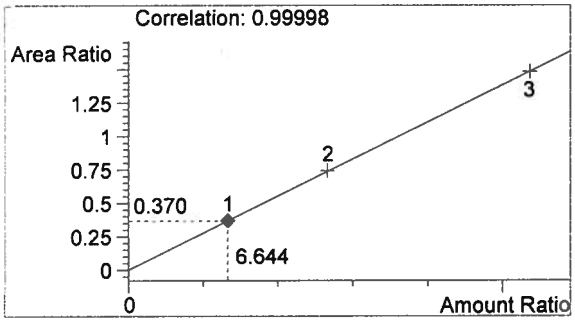
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/9/2014 11:48:40 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: E0814-01 - (0.079g/100mL)

Sample Name: CAL1 0.079
Operator: Justin Knoy
Location: Vial 2

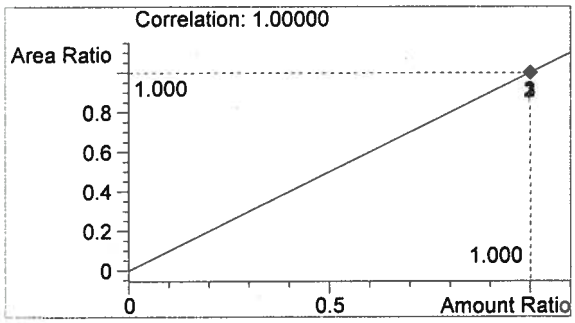


#	Compound	Peak Area	RT (min)
1	Ethanol	565	1.019
2	n-Propanol	1528	1.744



Ethanol 0.080 g/100mL

14044
JN 10/13/14



n-Propanol 0.012 g/100mL

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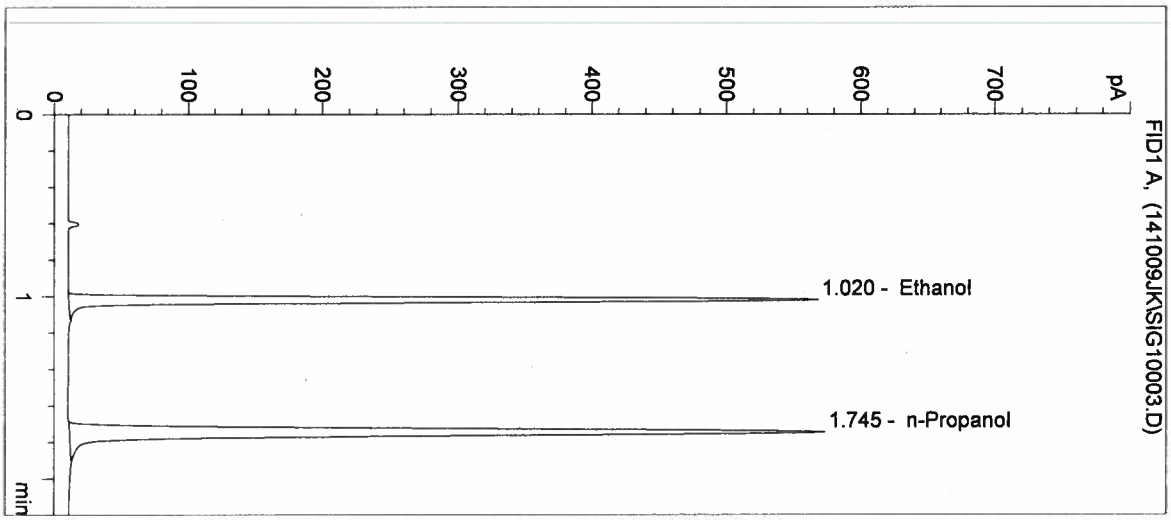
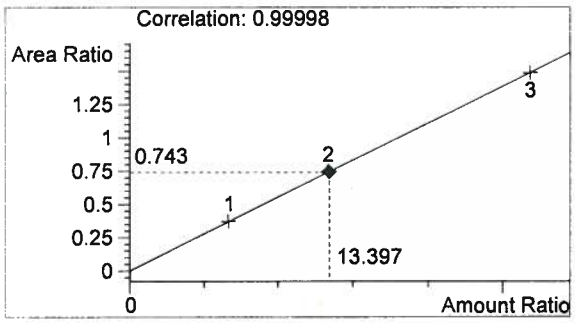
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/9/2014 11:51:57 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: E0814-02 - (0.158g/100mL)

Sample Name: CAL2 0.158
Operator: Justin Knoy
Location: Vial 3

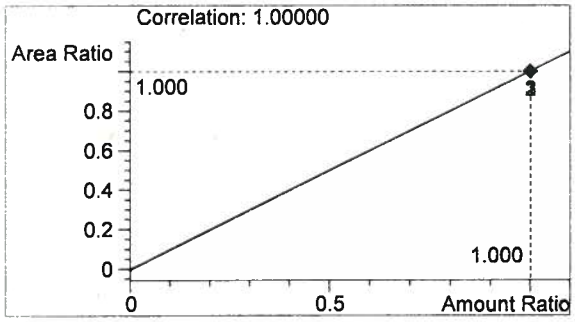


#	Compound	Peak Area	RT (min)
1	Ethanol	1115	1.020
2	n-Propanol	1502	1.745



Ethanol 0.161 g/100mL

14044
Jn 10/13/14



n-Propanol 0.012 g/100mL

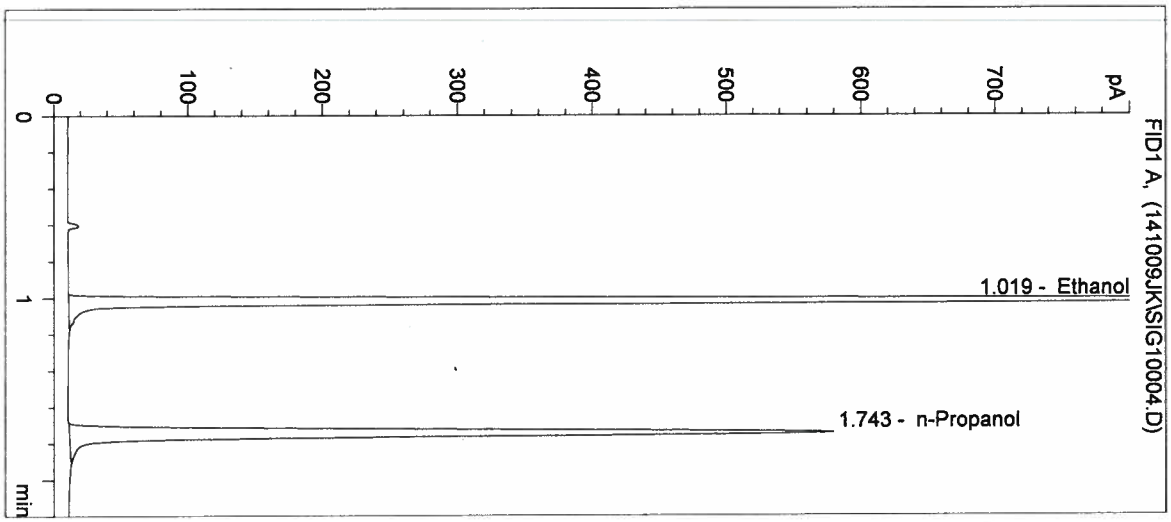
L

NC

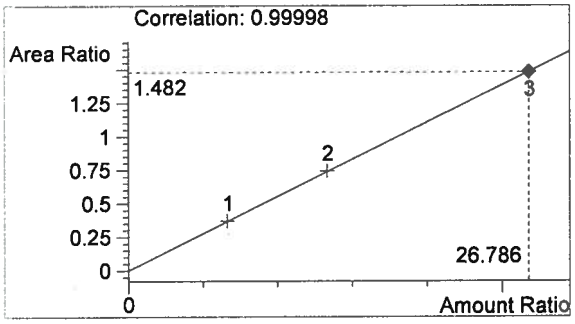
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/9/2014 11:55:14 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: E0814-03 - (0.316g/100mL)

Sample Name: CAL3 0.316
Operator: Justin Knoy
Location: Vial 4



#	Compound	Peak Area	RT (min)
1	Ethanol	2253	1.019
2	n-Propanol	1520	1.743



Ethanol 0.321 g/100mL

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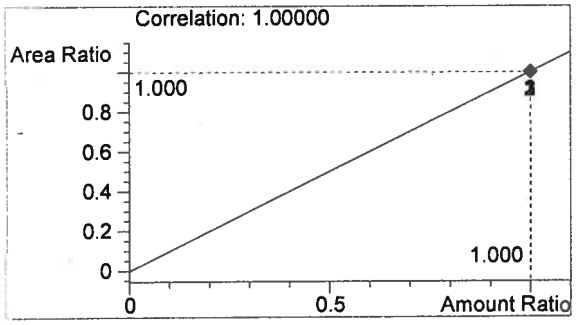


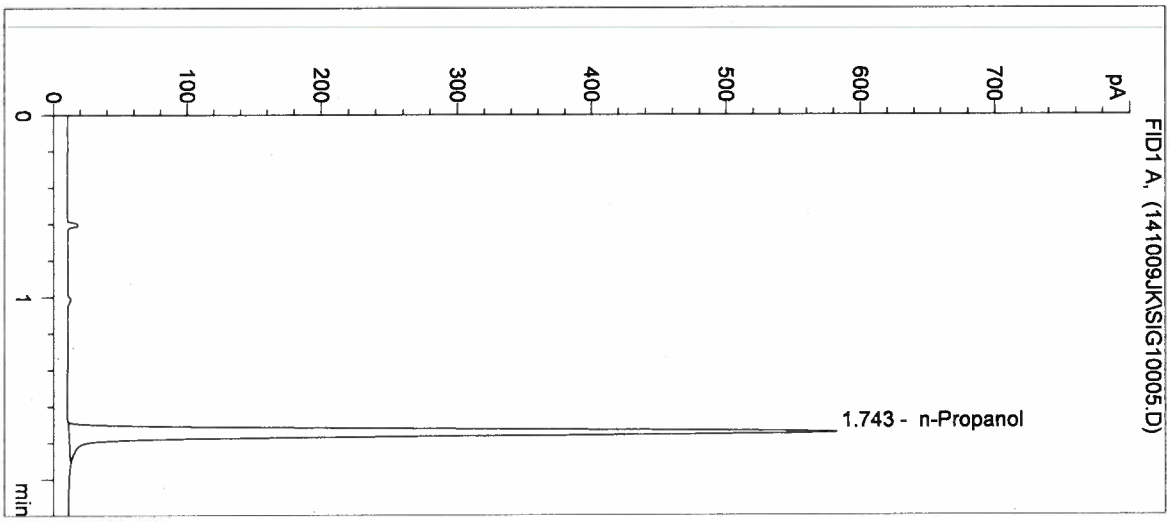
n-Propanol 0.012 g/100mL

L

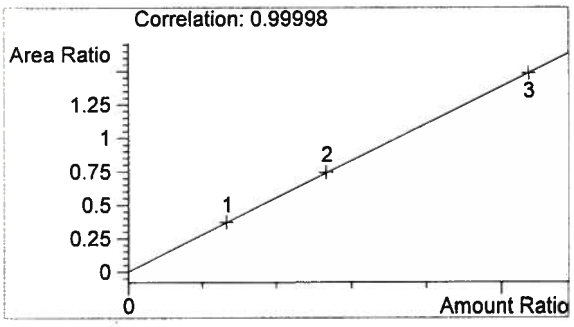
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/9/2014 11:58:27 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

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

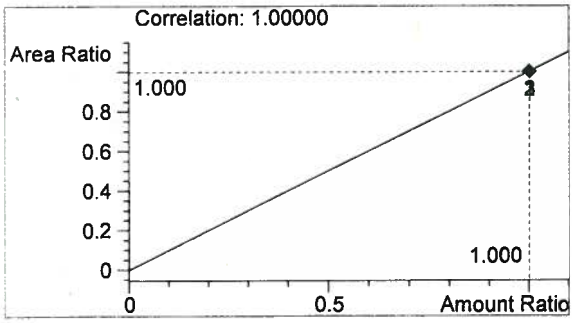


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1526	1.743



Ethanol 0.000 g/100mL

14044
fn 10/13/14



n-Propanol 0.012 g/100mL

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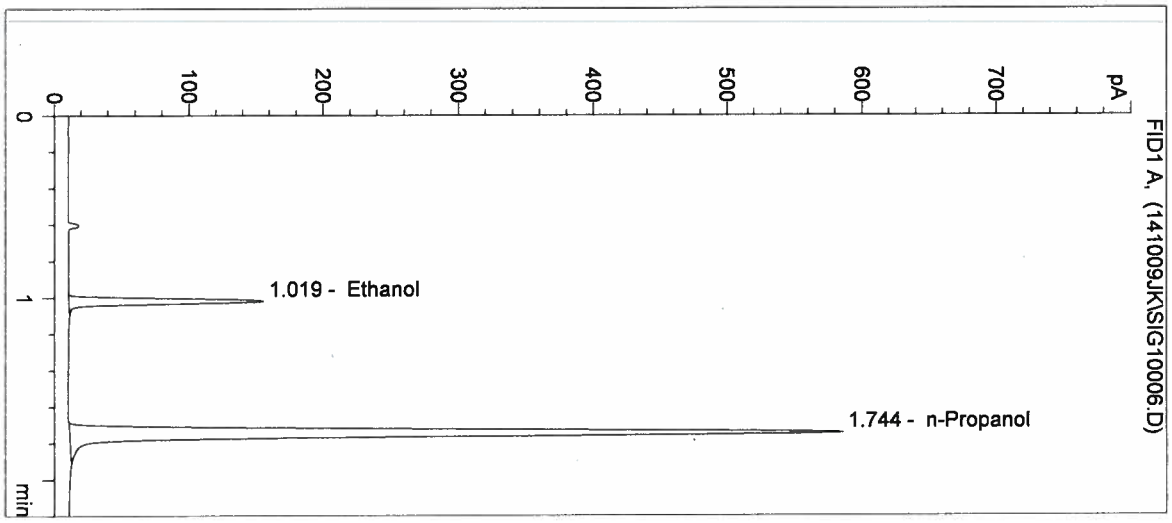
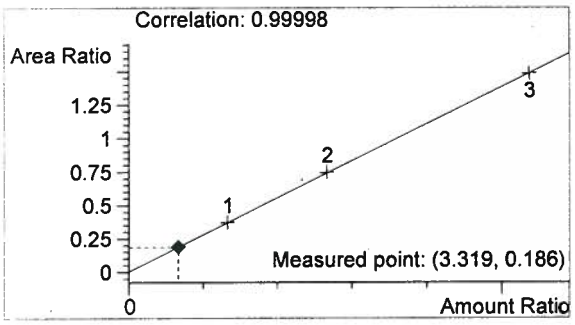
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/9/2014 12:01:41 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 0.04g/100mL

Sample Name: CTRL1 (0.04)
Operator: Justin Knoy
Location: Vial 6

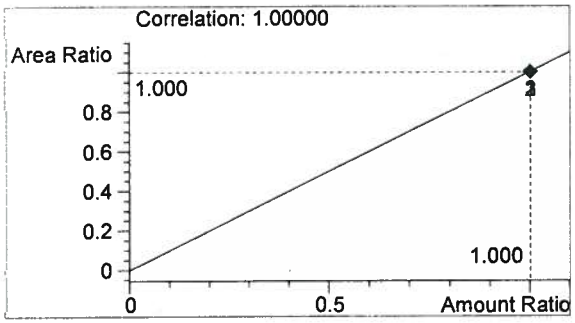


#	Compound	Peak Area	RT (min)
1	Ethanol	287	1.019
2	n-Propanol	1540	1.744



Ethanol 0.040 g/100mL

14044
JK 10/13/14



n-Propanol 0.012 g/100mL

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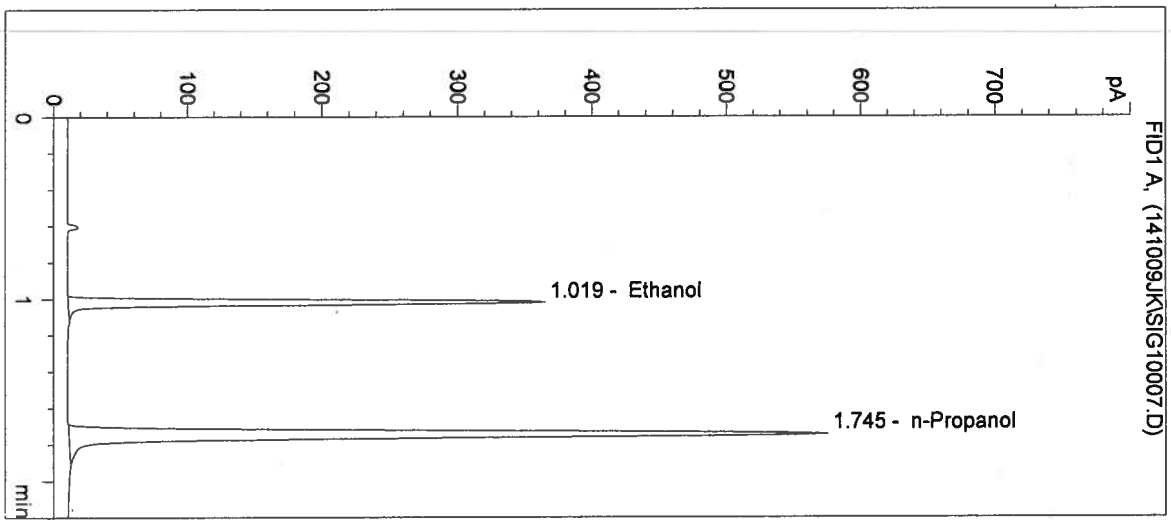
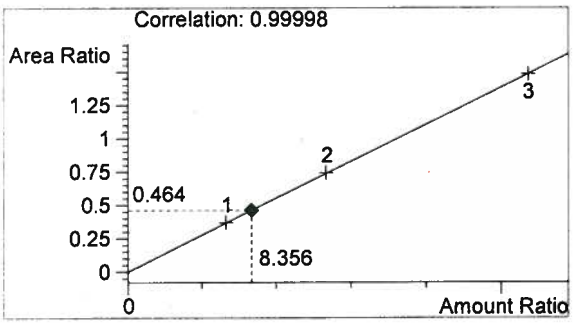
Inj. Date: 10/9/2014 12:04:54 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 0.10g/100mL

Sample Name: CTRL2 (0.10)
Operator: Justin Knoy
Location: Vial 7

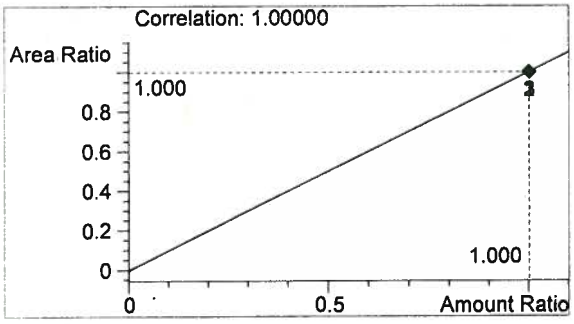


#	Compound	Peak Area	RT (min)
1	Ethanol	704	1.019
2	n-Propanol	1515	1.745



Ethanol 0.100 g/100mL

14044
JK 10/13/14



n-Propanol 0.012 g/100mL

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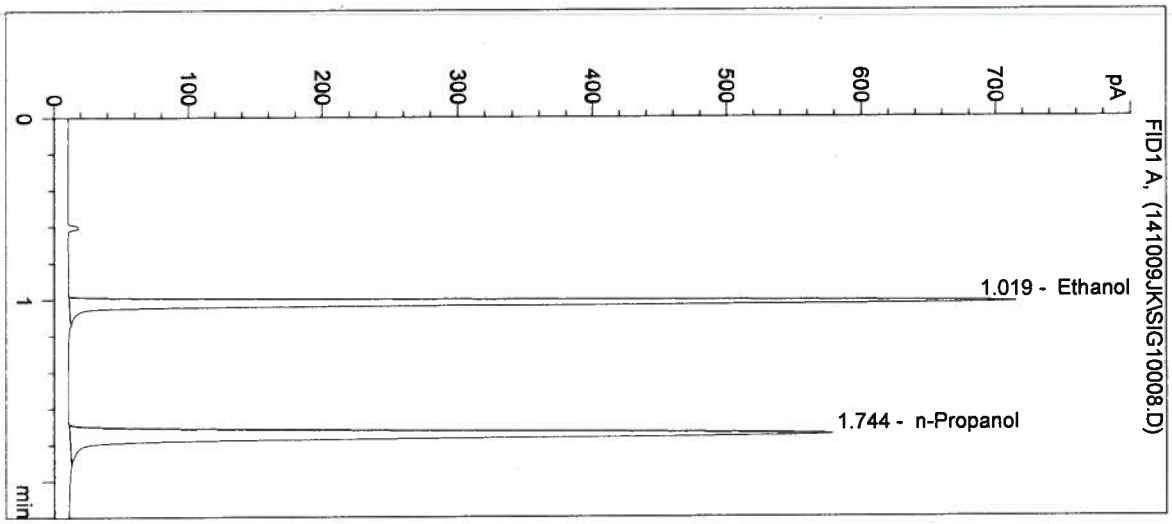
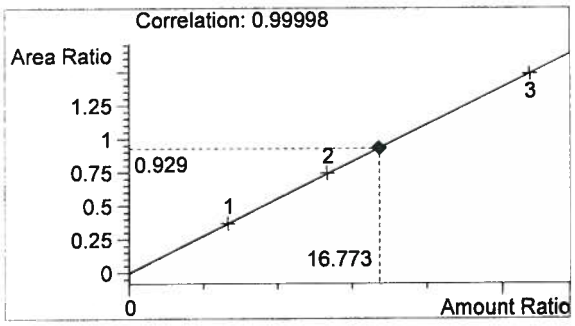
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/9/2014 12:08:08 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 0.20g/100mL

Sample Name: CTRL3 (0.20)
Operator: Justin Knoy
Location: Vial 8

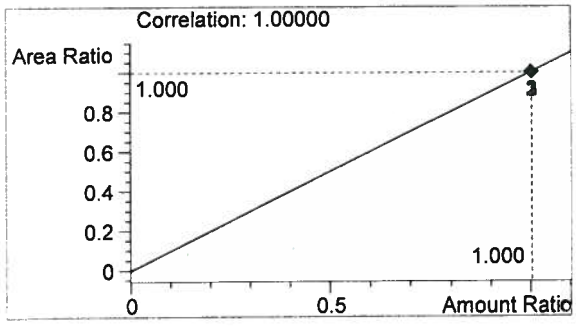


#	Compound	Peak Area	RT (min)
1	Ethanol	1412	1.019
2	n-Propanol	1520	1.744



Ethanol 0.201 g/100mL

14044
10/13/14



n-Propanol 0.012 g/100mL

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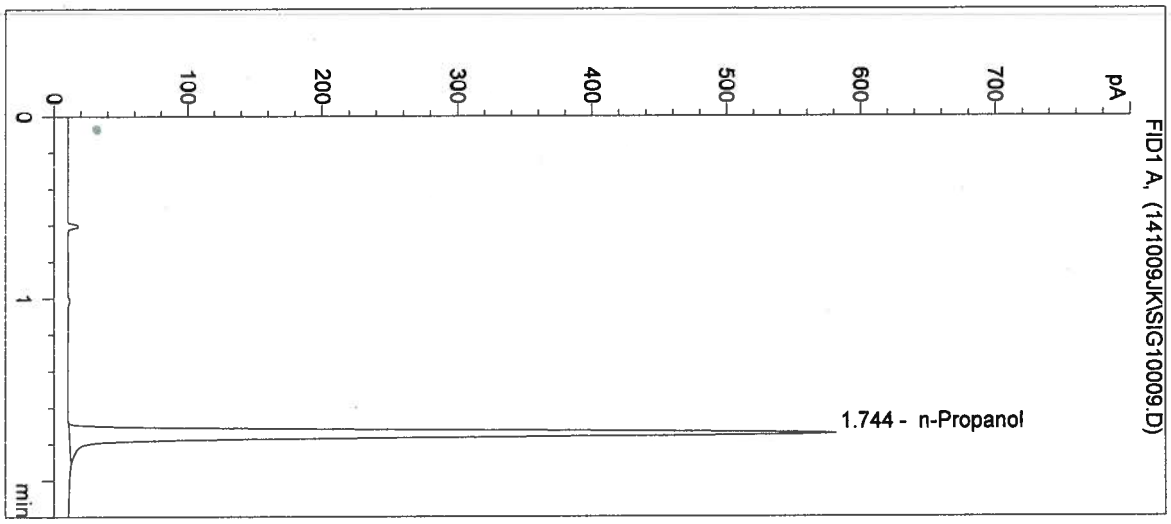
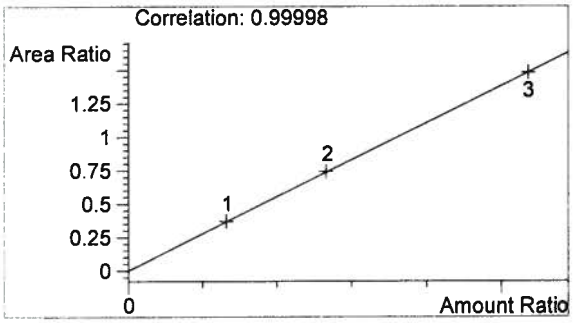
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/9/2014 12:11:21 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

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

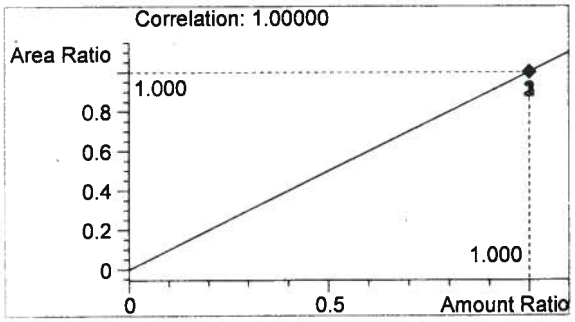


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1531	1.744



Ethanol 0.000 g/100mL

14044
Jn 10/13/14



n-Propanol 0.012 g/100mL

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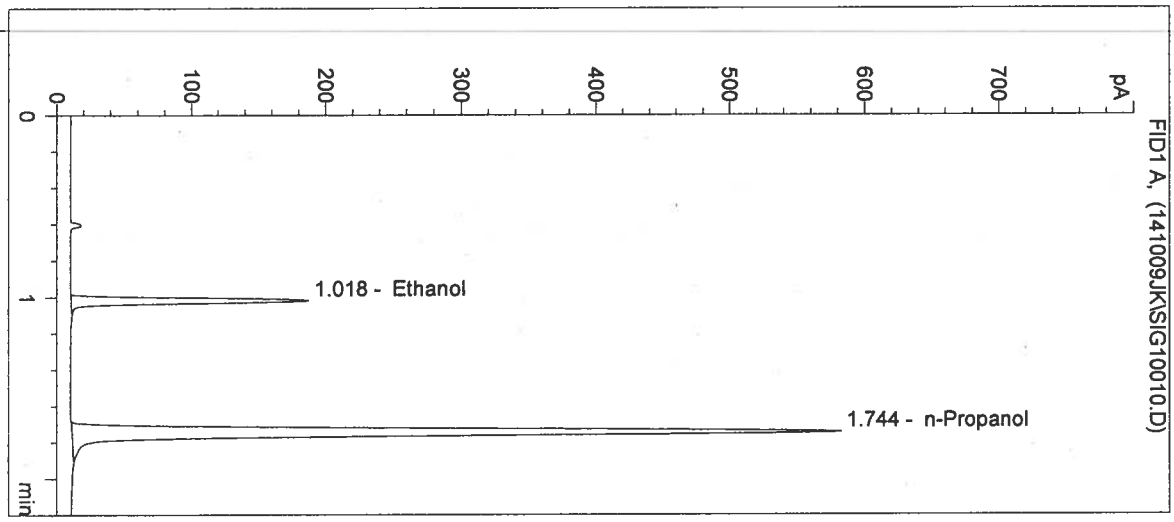
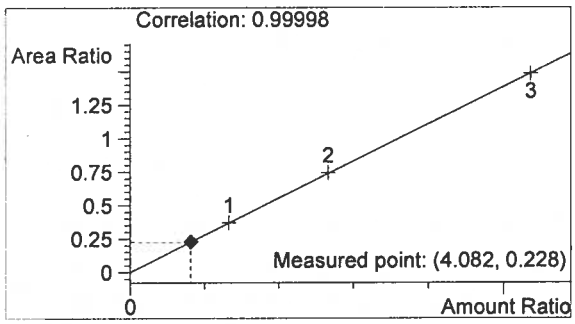
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/9/2014 12:14:35 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

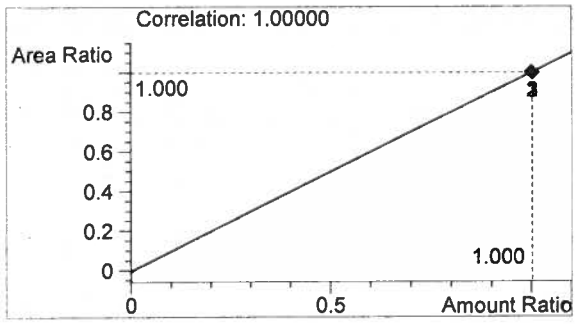
Sample Name: 14044-1
Operator: Justin Knoy
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	349	1.018
2	n-Propanol	1530	1.744



Ethanol 0.049 g/100mL

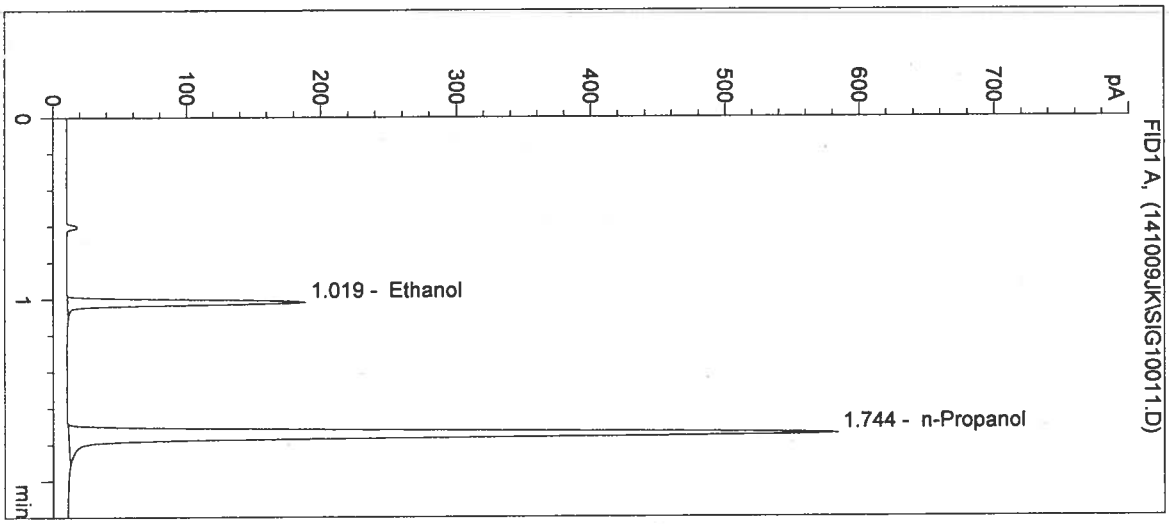


n-Propanol 0.012 g/100mL

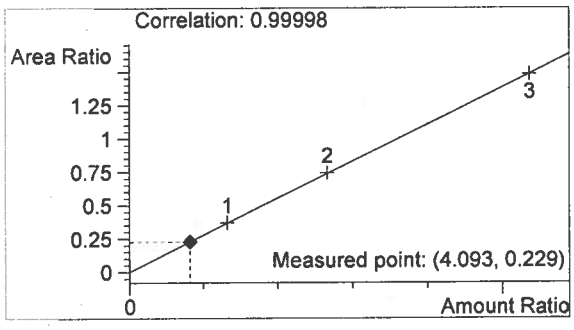
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/9/2014 12:17:48 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

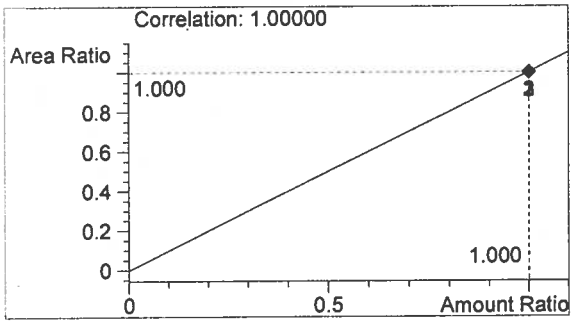
Sample Name: 14044-2
Operator: Justin Knoy
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	351	1.019
2	n-Propanol	1533	1.744



Ethanol 0.049 g/100mL



n-Propanol 0.012 g/100mL

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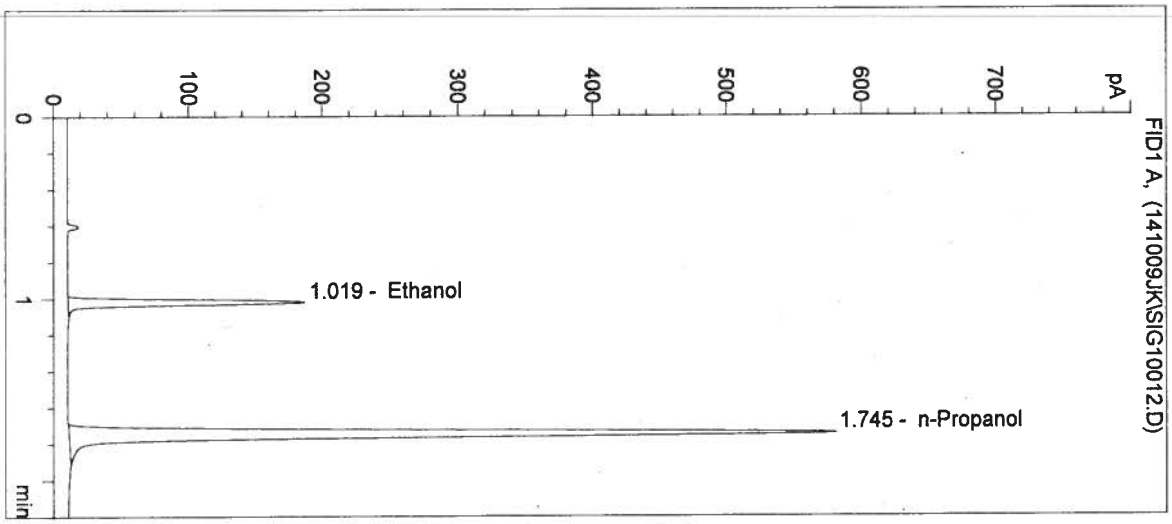
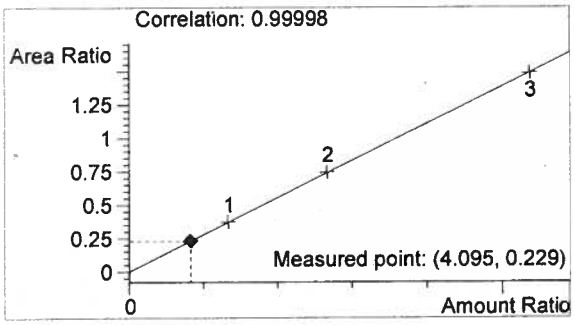
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/9/2014 12:21:01 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

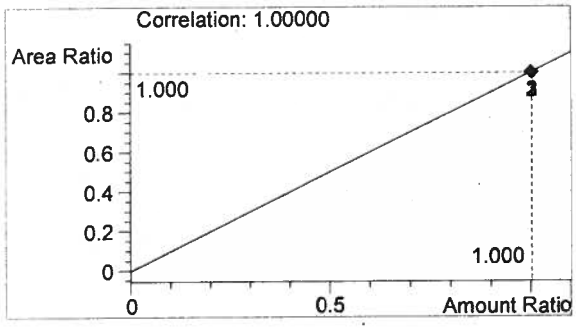
Sample Name: 14044-3
Operator: Justin Knoy
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	350	1.019
2	n-Propanol	1526	1.745



Ethanol 0.049 g/100mL



n-Propanol 0.012 g/100mL

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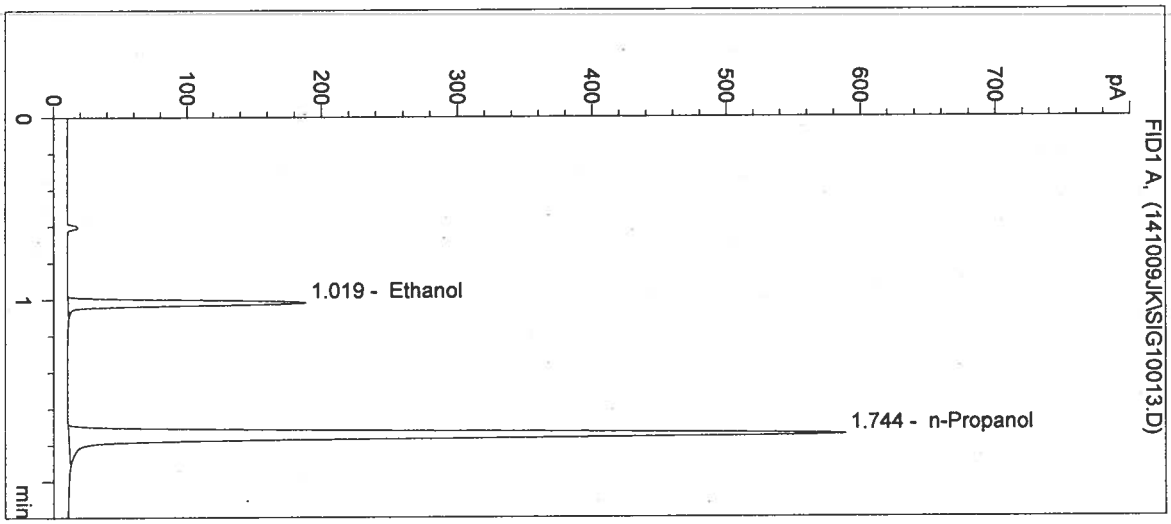
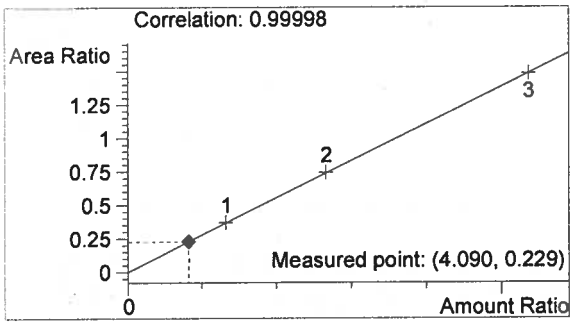
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/9/2014 12:24:15 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

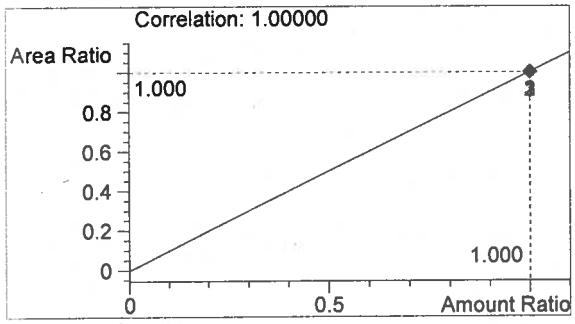
Sample Name: 14044-4
Operator: Justin Knoy
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	355	1.019
2	n-Propanol	1553	1.744



Ethanol 0.049 g/100mL



n-Propanol 0.012 g/100mL

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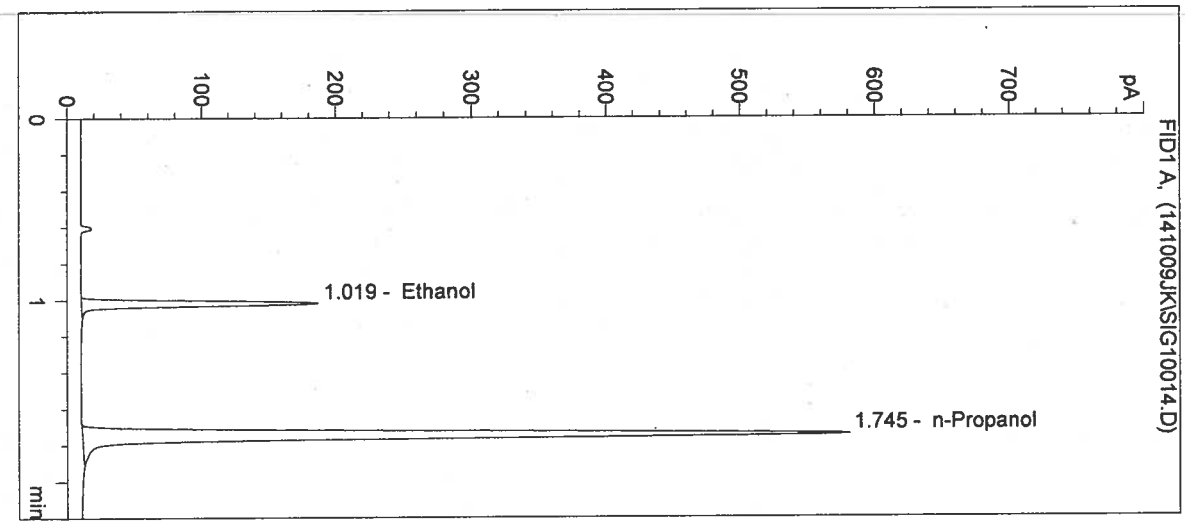
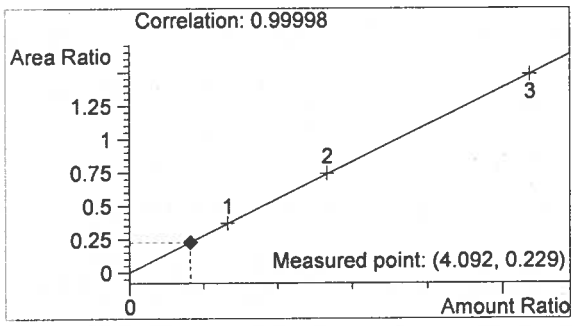
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/9/2014 12:27:28 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

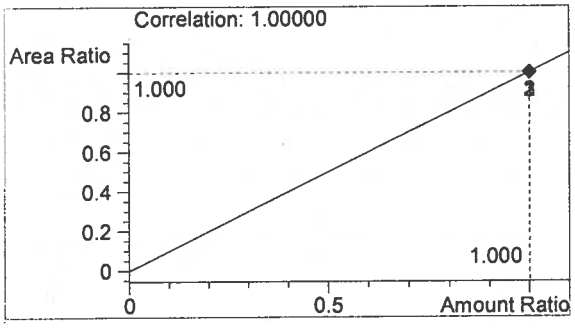
Sample Name: 14044-5
Operator: Justin Knoy
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	349	1.019
2	n-Propanol	1524	1.745



Ethanol 0.049 g/100mL



n-Propanol 0.012 g/100mL

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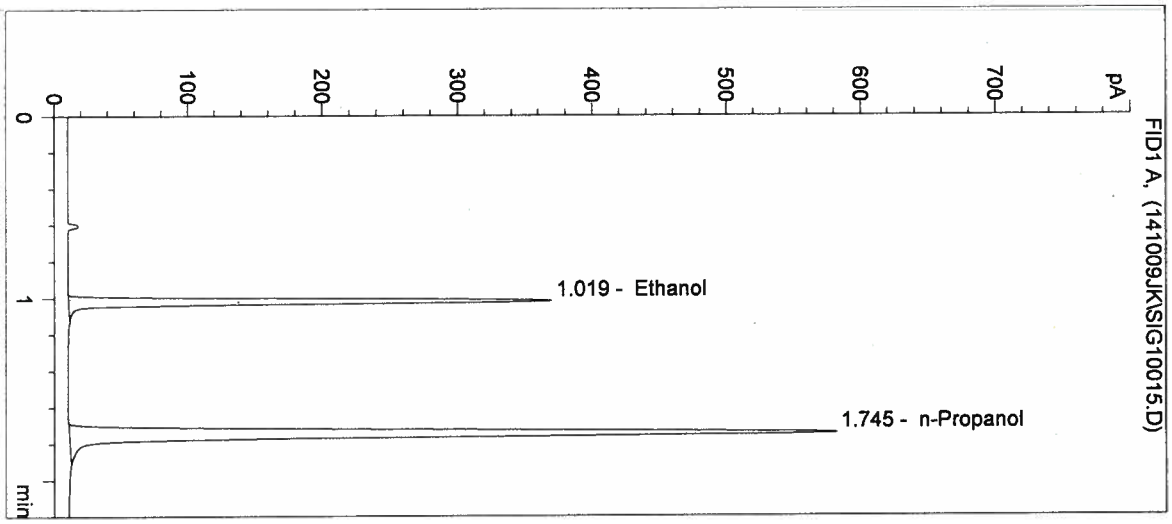
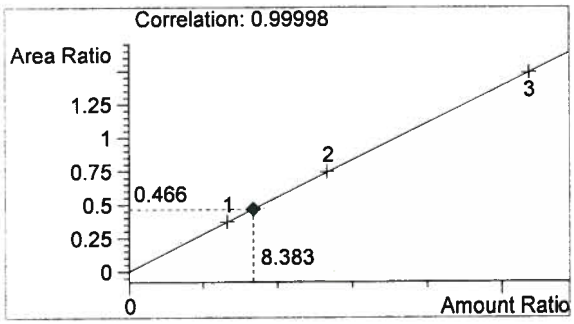
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/9/2014 12:30:41 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info: 0.10g/100mL

Sample Name: CTRL2 (0.10)
Operator: Justin Knoy
Location: Vial 15

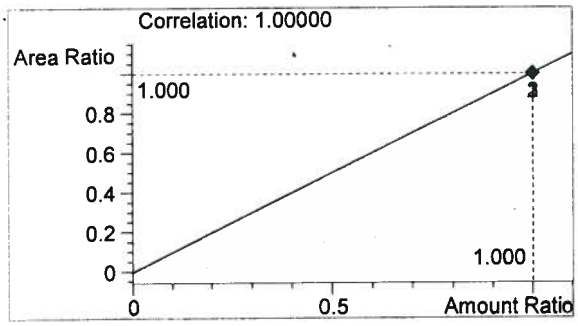


#	Compound	Peak Area	RT (min)
1	Ethanol	711	1.019
2	n-Propanol	1527	1.745



Ethanol 0.101 g/100mL

14044
fn 10/13/14

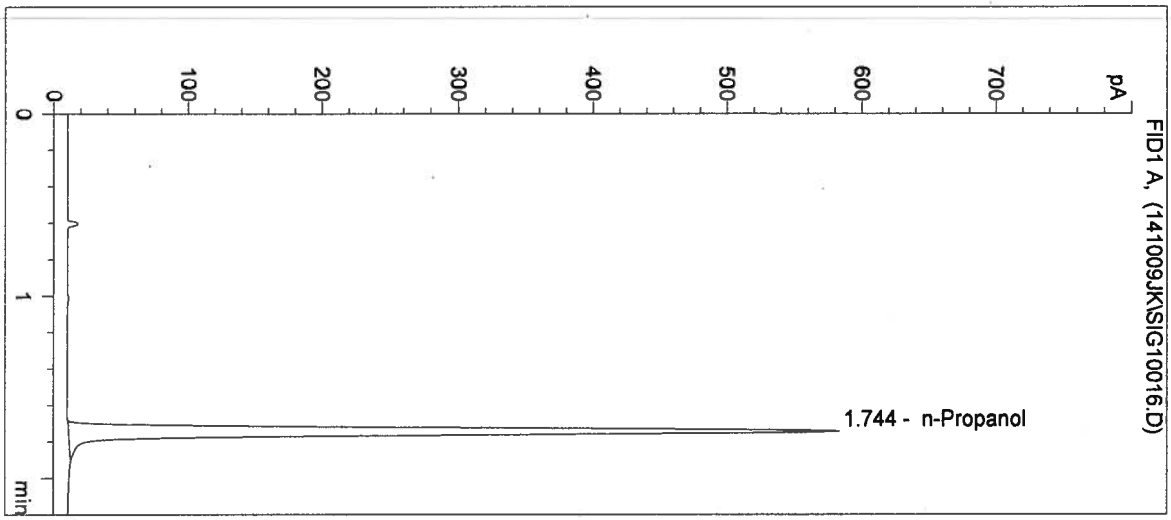


n-Propanol 0.012 g/100mL

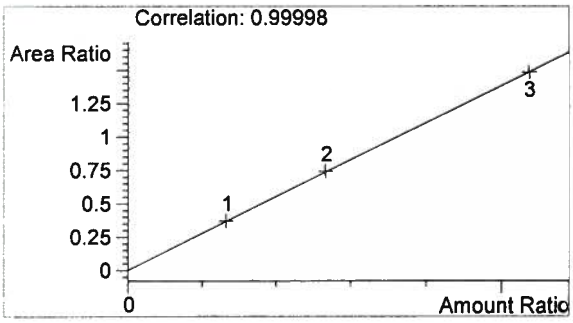
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/9/2014 12:33:55 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

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

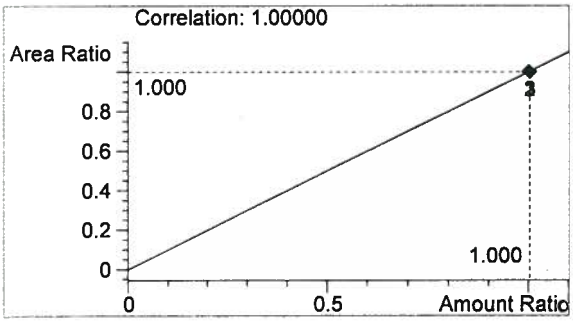


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1537	1.744



Ethanol 0.000 g/100mL

14044
fu 10/13/14



n-Propanol 0.012 g/100mL

Sequence: C:\HPCHEM\2\SEQUENCE\AGQAP.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:	141009AG
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 2/19/2015
Cal 2 (0.158 g/100mL) - Lot#E0814-02 - Exp 2/19/2015
Cal 3 (0.316 g/100mL) - Lot#E0814-03 - Exp 2/19/2015

CTRL 1 (0.04 g/100mL) - Lot#FN05011301 - Exp 5/2018
CTRL 2 (0.10 g/100mL) - Lot#FN08051301 - Exp 10/2018
CTRL 3 (0.20 g/100mL) - Lot#FN03211401 - Exp 6/2019

n-Propanol ISTD - Lot# P0914 - Exp 12/29/2014

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 Control	SIMALC3	1	Ctrl Samp		
6	Vial 6	0.04 Control	SIMALC3	1	Ctrl Samp		
7	Vial 7	0.10 Control	SIMALC3	1	Ctrl Samp		
8	Vial 8	0.20 Control	SIMALC3	1	Ctrl Samp		
9	Vial 9	Neg Control	SIMALC3	1	Ctrl Samp		
10	Vial 10	QAP 14044 0.04 1	SIMALC3	1	Sample		
11	Vial 11	QAP 14044 0.04 2	SIMALC3	1	Sample		
12	Vial 12	QAP 14044 0.04 3	SIMALC3	1	Sample		
13	Vial 13	QAP 14044 0.04 4	SIMALC3	1	Sample		
14	Vial 14	QAP 14044 0.04 5	SIMALC3	1	Sample		
15	Vial 15	0.10 Control	SIMALC3	1	Ctrl Samp		
16	Vial 16	Neg Control	SIMALC3	1	Ctrl Samp		
17	Vial 17	QAP 14045 0.08 1	SIMALC3	1	Sample		
18	Vial 18	QAP 14045 0.08 2	SIMALC3	1	Sample		
19	Vial 19	QAP 14045 0.08 3	SIMALC3	1	Sample		
20	Vial 20	QAP 14045 0.08 4	SIMALC3	1	Sample		
21	Vial 21	QAP 14045 0.08 5	SIMALC3	1	Sample		
22	Vial 22	0.10 Control	SIMALC3	1	Ctrl Samp		
23	Vial 23	Neg Control	SIMALC3	1	Ctrl Samp		
24	Vial 24	QAP 14053 0.10 1	SIMALC3	1	Sample		
25	Vial 25	QAP 14053 0.10 2	SIMALC3	1	Sample		
26	Vial 26	QAP 14053 0.10 3	SIMALC3	1	Sample		

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

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
27	Vial 27	QAP 14053 0.10 4	SIMALC3	1	Sample		
28	Vial 28	QAP 14053 0.10 5	SIMALC3	1	Sample		
29	Vial 29	0.10 Control	SIMALC3	1	Ctrl Samp		
30	Vial 30	Neg Control	SIMALC3	1	Ctrl Samp		
31	Vial 31	QAP 14047 0.15 1	SIMALC3	1	Sample		
32	Vial 32	QAP 14047 0.15 2	SIMALC3	1	Sample		
33	Vial 33	QAP 14047 0.15 3	SIMALC3	1	Sample		
34	Vial 34	QAP 14047 0.15 4	SIMALC3	1	Sample		
35	Vial 35	QAP 14047 0.15 5	SIMALC3	1	Sample		
36	Vial 36	0.10 Control	SIMALC3	1	Ctrl Samp		
37	Vial 37	Neg Control	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!

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

Calibration Table

Calib. Data Modified : Thursday, October 09, 2014 9:20:19 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

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Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.019	1	1	7.95500e-2	560.16321	1.42012e-4	1		Ethanol
		2	1.59740e-1	1089.39270	1.46632e-4			
		3	3.21980e-1	2164.14160	1.48780e-4			
1.744	1	1	1.20000e-2	1509.23083	7.95107e-6	I1		n-Propanol
		2	1.20000e-2	1482.83679	8.09260e-6			
		3	1.20000e-2	1459.23914	8.22346e-6			

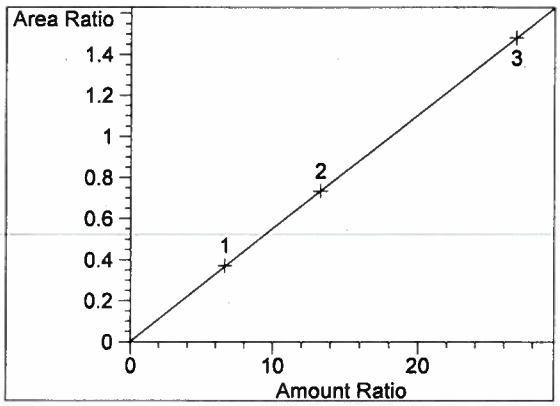
Peak Sum Table

No Entries in table

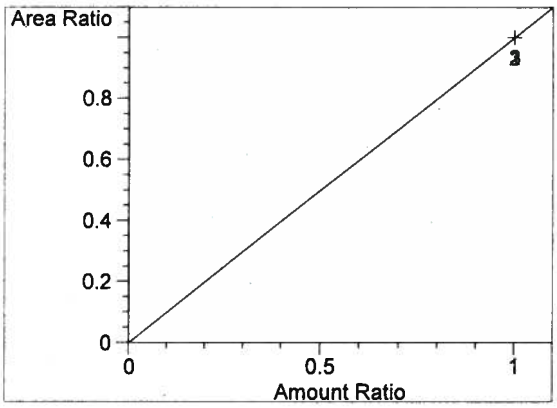
==========

Calibration Curves

==========



Ethanol at exp. RT: 1.019
FID1 A,
Correlation: 0.99999
Residual Std. Dev.: 0.00306
Formula: y = mx + b
m: 5.52073e-2
b: 1.67597e-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

==========

14044

Jn 10/13/14

Washington State Patrol Toxicology Laboratory
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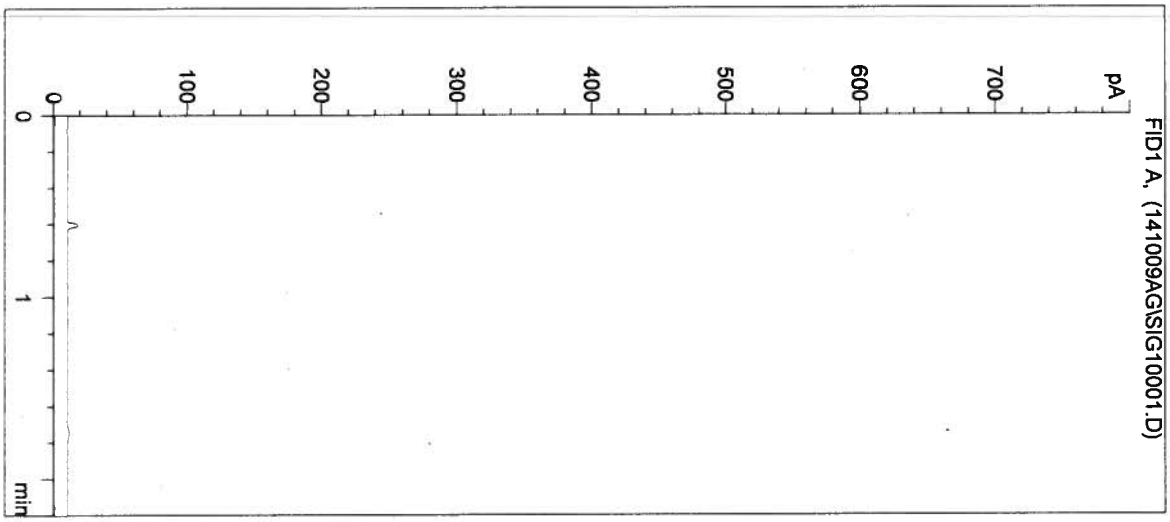
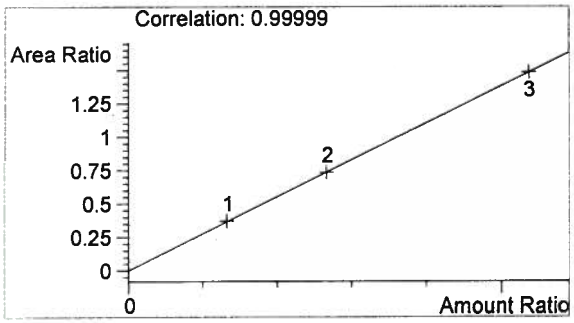
Inj. Date: 10/9/2014 9:08:14 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

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

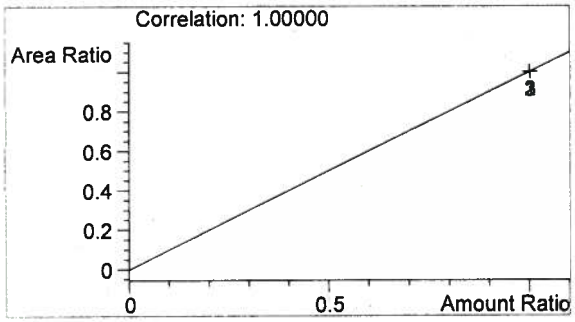


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	0	0.000



Ethanol 0.000 g/100mL

14044
JN 10/13/14

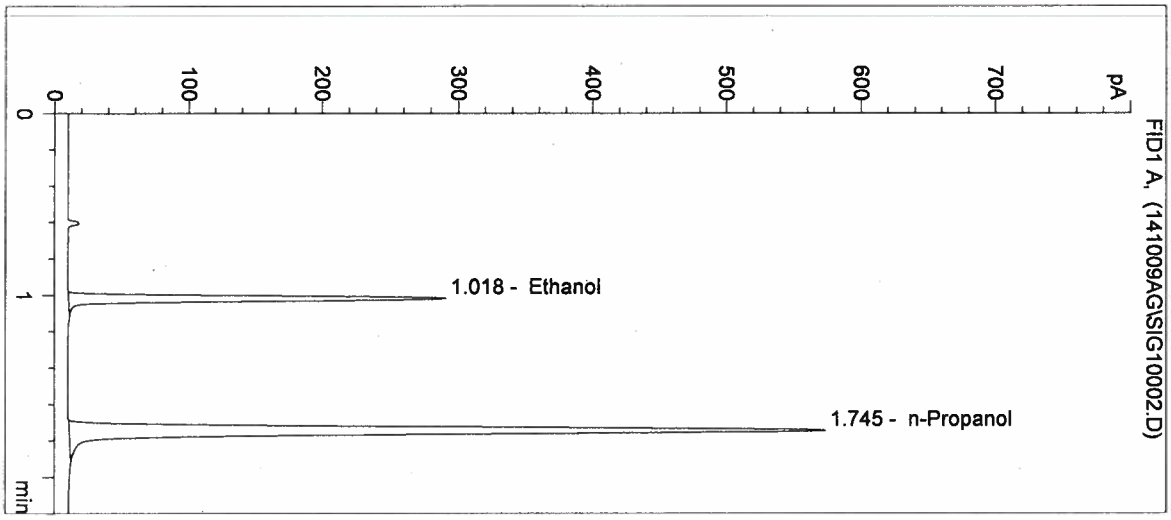


n-Propanol 0.000 g/100mL

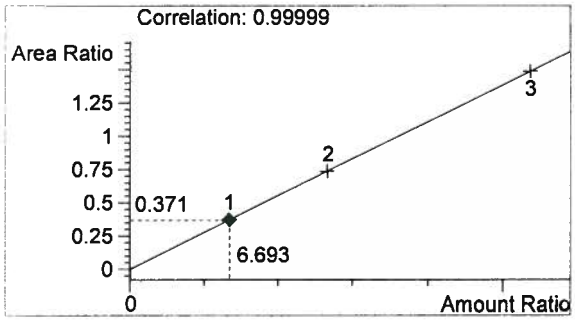
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/9/2014 9:11:32 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

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

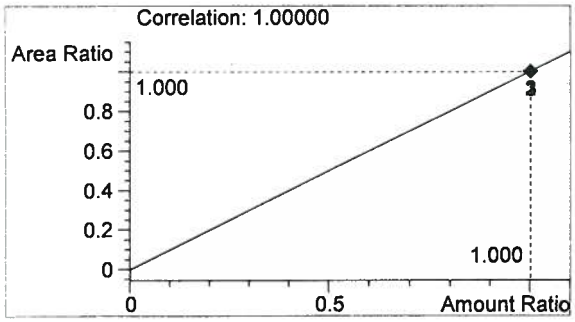


#	Compound	Peak Area	RT (min)
1	Ethanol	560	1.018
2	n-Propanol	1509	1.745



Ethanol 0.080 g/100mL

14044
10/13/14



n-Propanol 0.012 g/100mL

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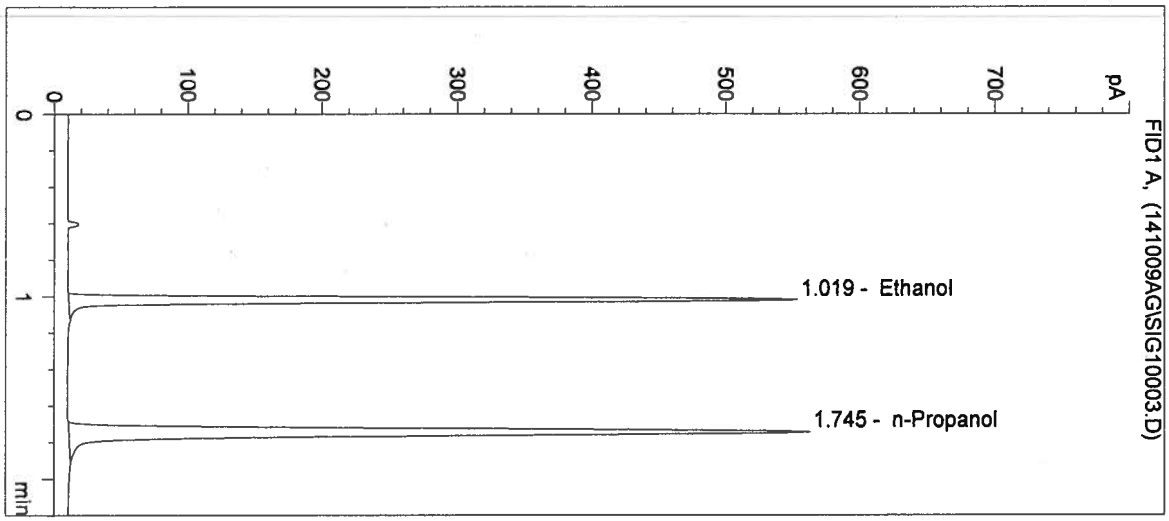
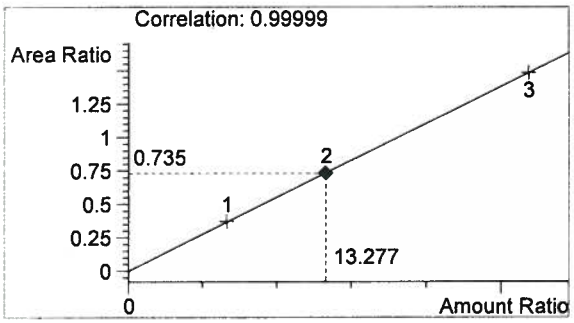
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/9/2014 9:14:49 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

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

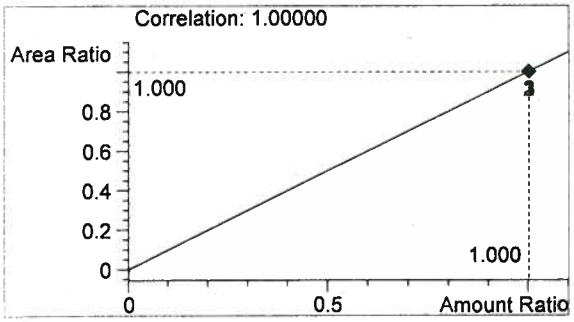


#	Compound	Peak Area	RT (min)
1	Ethanol	1089	1.019
2	n-Propanol	1483	1.745



Ethanol 0.159 g/100mL

14044
Jm 10/13/14



n-Propanol 0.012 g/100mL

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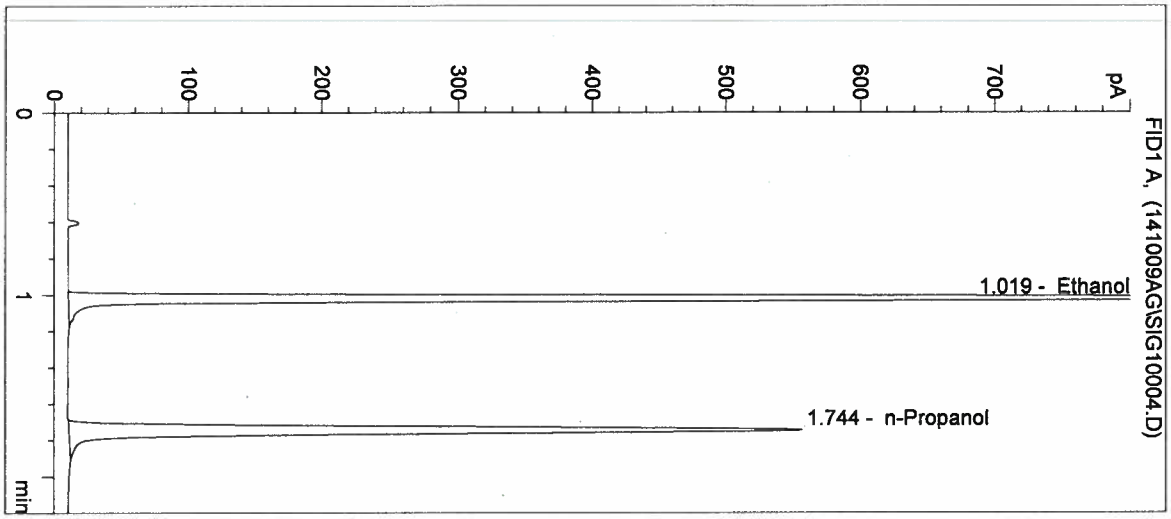
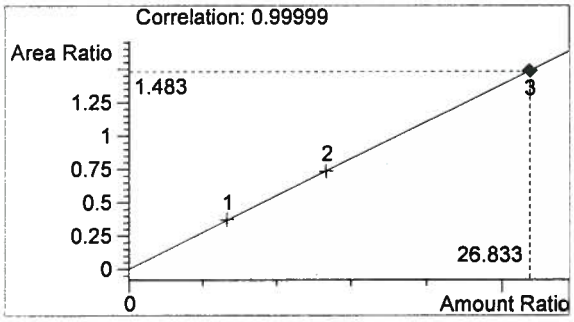
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/9/2014 9:18:06 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

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

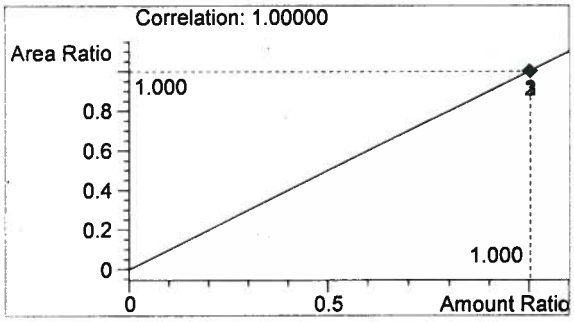


#	Compound	Peak Area	RT (min)
1	Ethanol	2164	1.019
2	n-Propanol	1459	1.744



Ethanol 0.322 g/100mL

14044
Jm 10/13/14



n-Propanol 0.012 g/100mL

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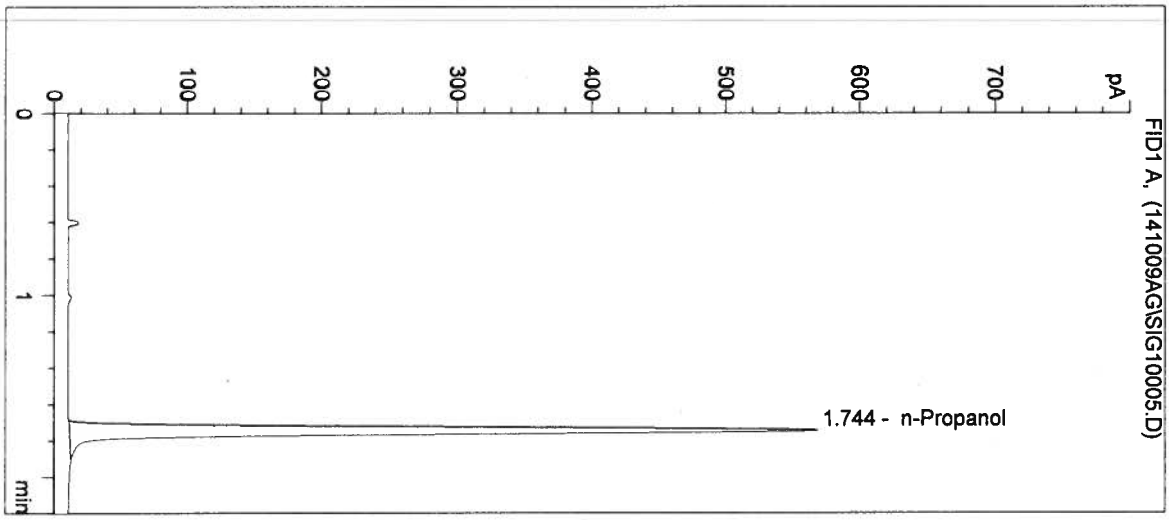
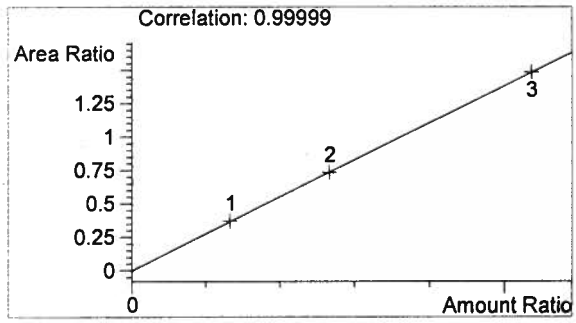
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/9/2014 9:21:19 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

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

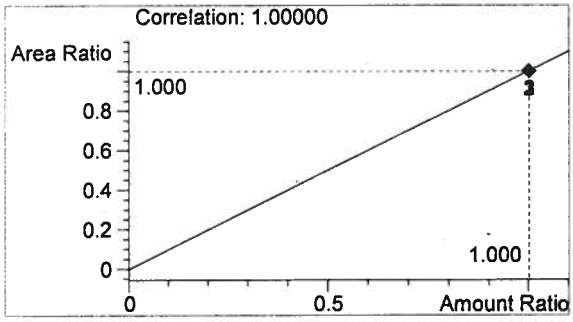


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1496	1.744



Ethanol 0.000 g/100mL

14044
Ln 10/13/14



n-Propanol 0.012 g/100mL

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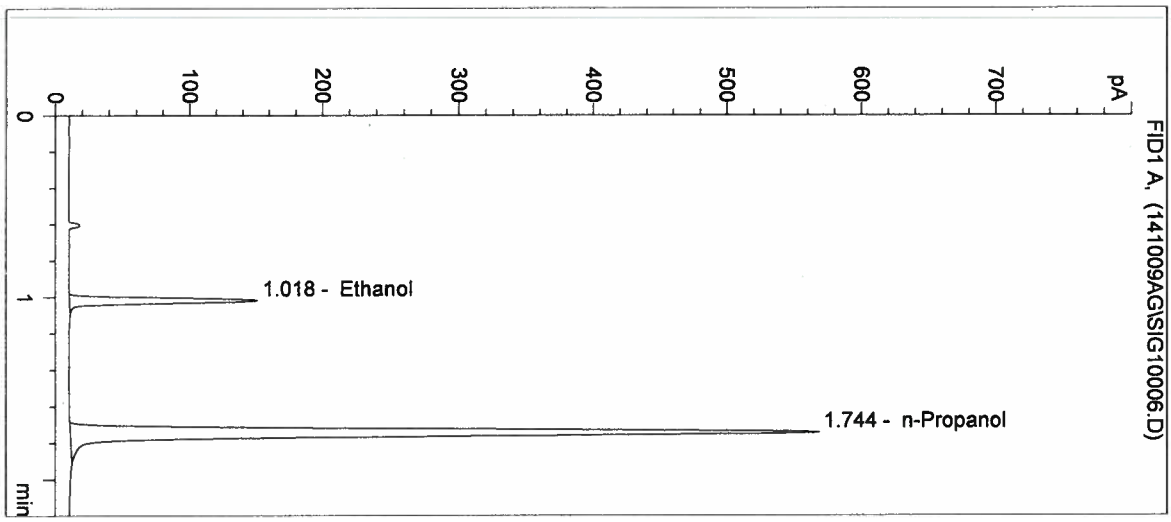
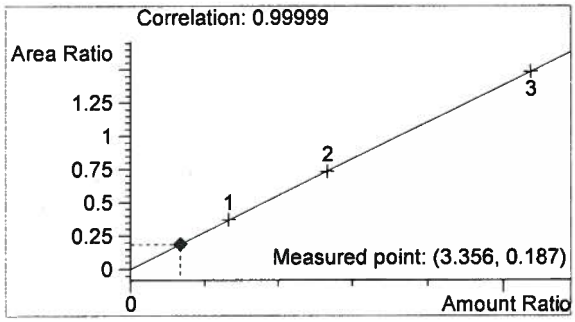
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/9/2014 9:24:32 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

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

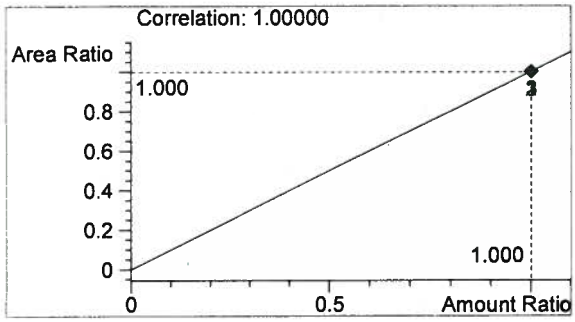


#	Compound	Peak Area	RT (min)
1	Ethanol	279	1.018
2	n-Propanol	1495	1.744



Ethanol 0.040 g/100mL

14044
Jm 10/13/14



n-Propanol 0.012 g/100mL

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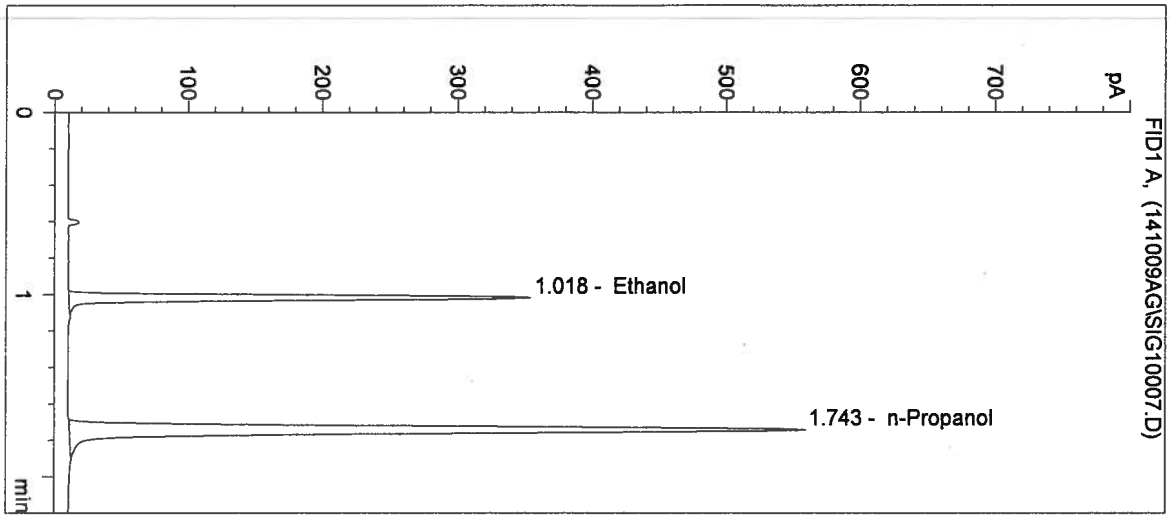
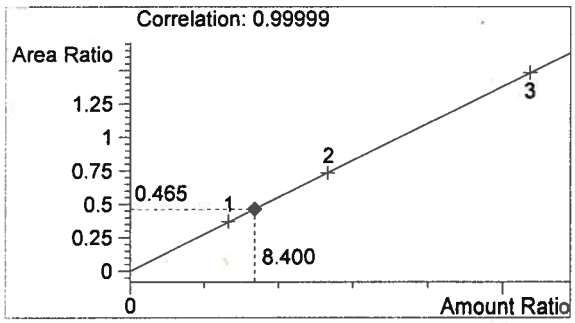
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/9/2014 9:27:46 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

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

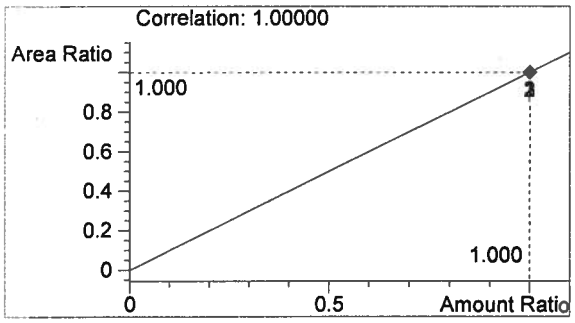


#	Compound	Peak Area	RT (min)
1	Ethanol	683	1.018
2	n-Propanol	1467	1.743



Ethanol 0.101 g/100mL

14044
10/13/14

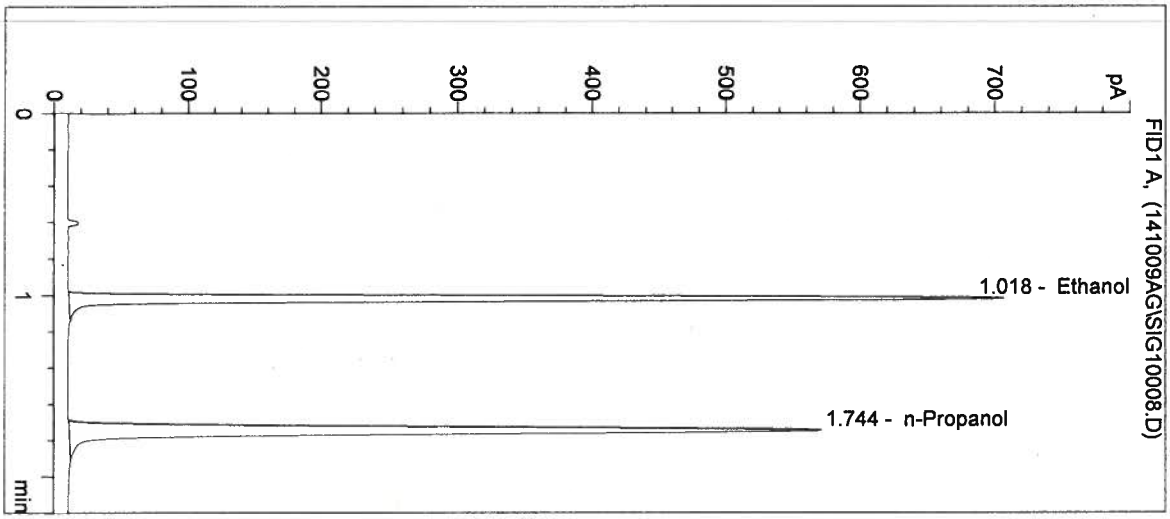


n-Propanol 0.012 g/100mL

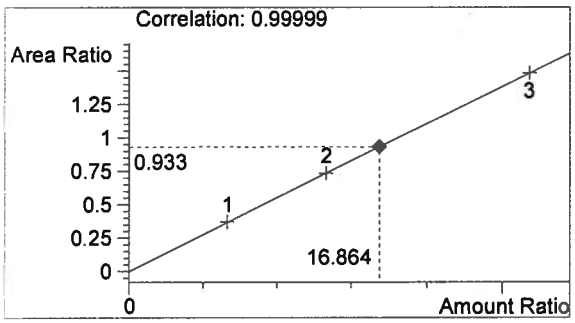
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/9/2014 9:30:59 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

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

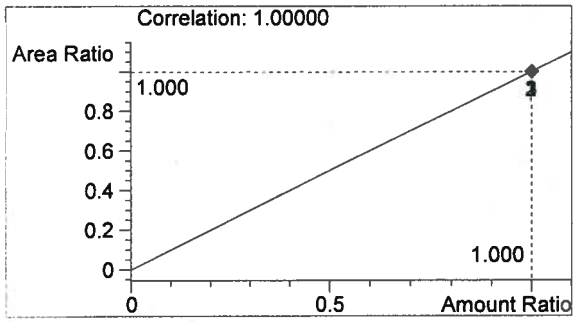


#	Compound	Peak Area	RT (min)
1	Ethanol	1402	1.018
2	n-Propanol	1503	1.744



Ethanol 0.202 g/100mL

14044
[illegible] 10/13/14

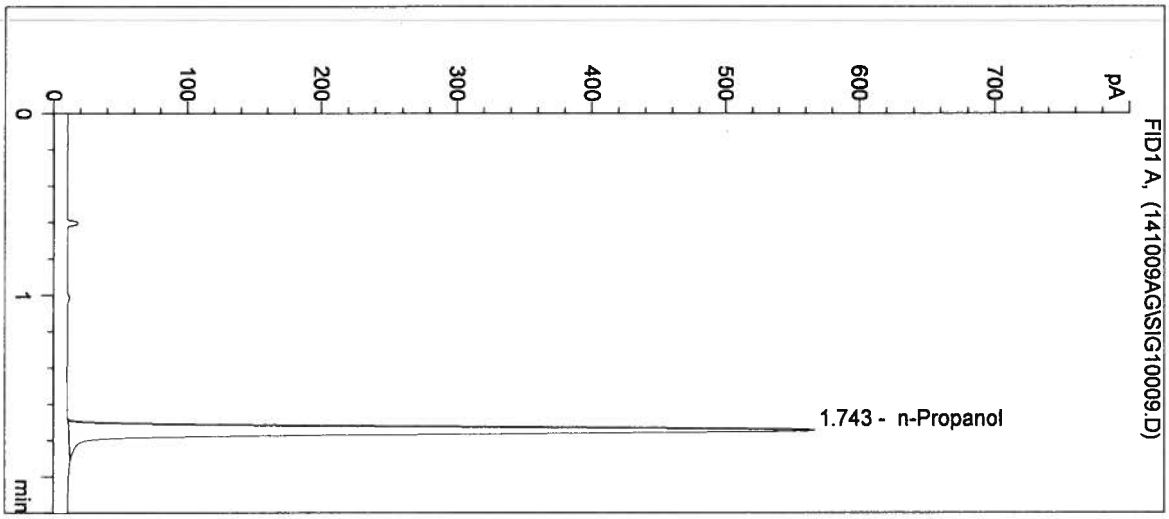


n-Propanol 0.012 g/100mL

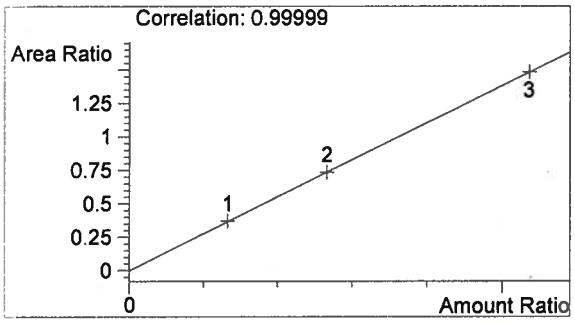
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/9/2014 9:34:13 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

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

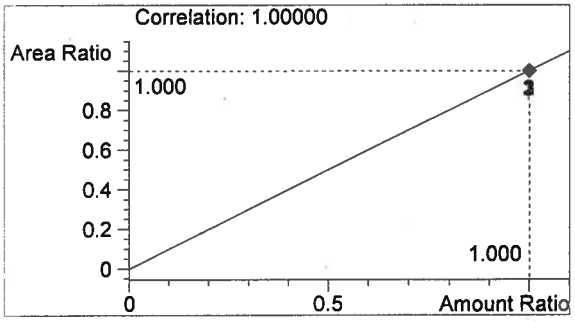


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1492	1.743



Ethanol 0.000 g/100mL

14044
fn 10/10/14

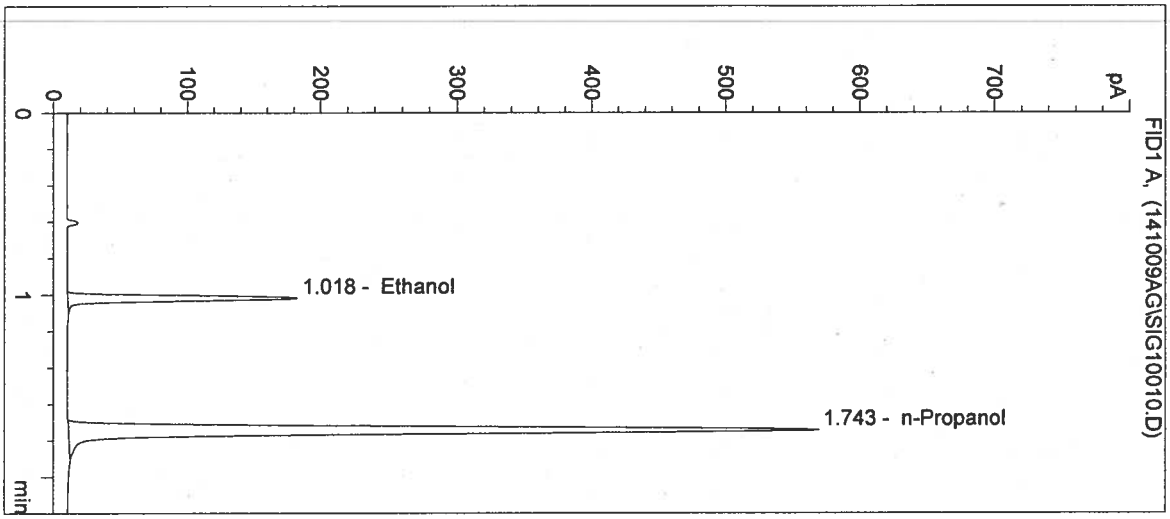


n-Propanol 0.012 g/100mL

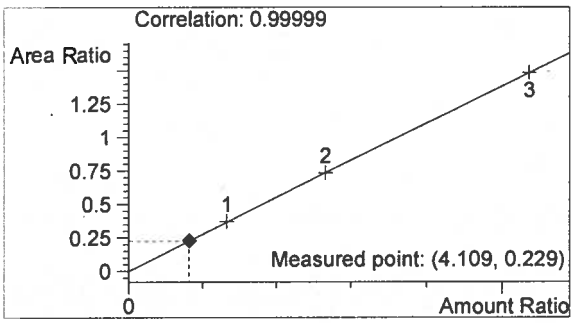
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/9/2014 9:37:26 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

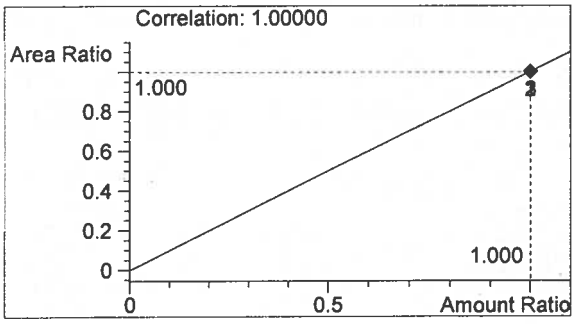
Sample Name: QAP 14044 0.04 1
Operator: Andrew Gingras
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	342	1.018
2	n-Propanol	1495	1.743



Ethanol 0.049 g/100mL

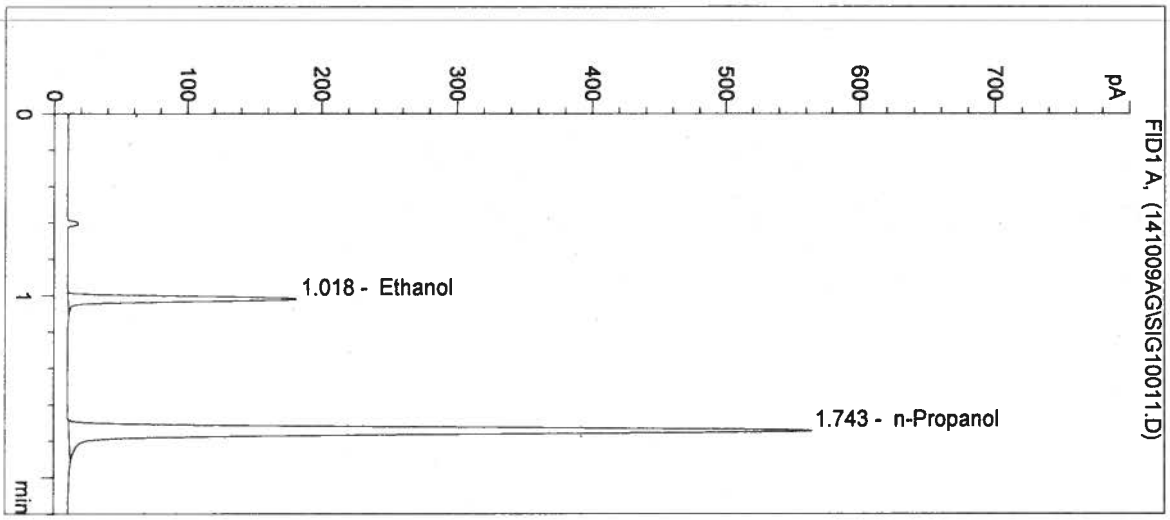


n-Propanol 0.012 g/100mL

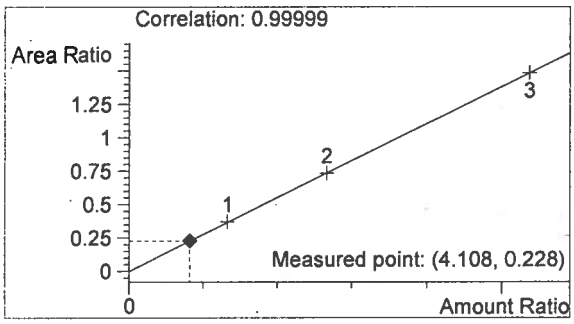
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/9/2014 9:40:40 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

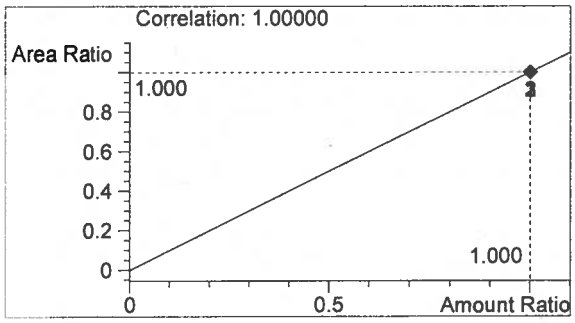
Sample Name: QAP 14044 0.04 2
Operator: Andrew Gingras
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	339	1.018
2	n-Propanol	1483	1.743



Ethanol 0.049 g/100mL

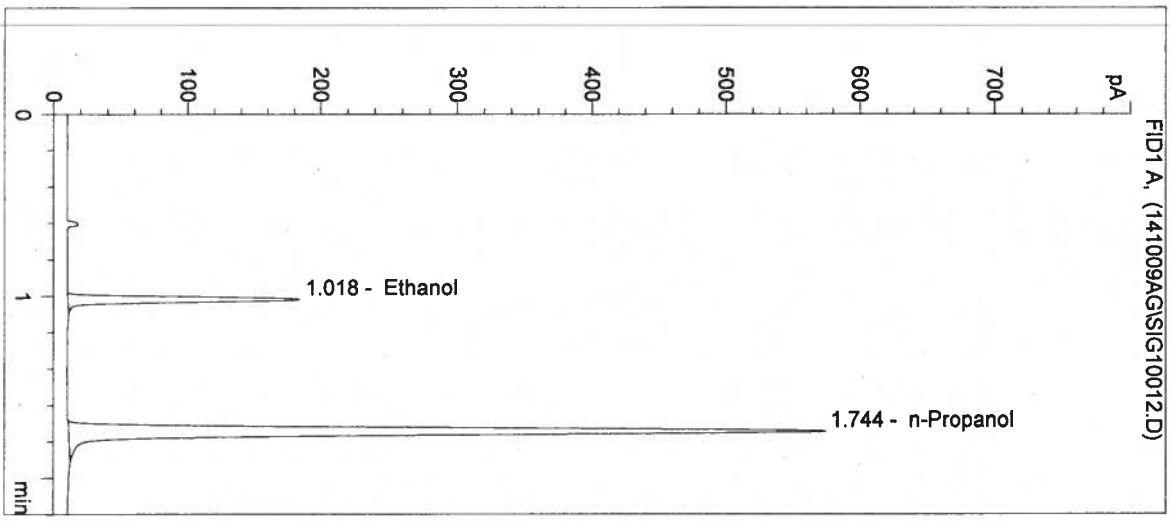


n-Propanol 0.012 g/100mL

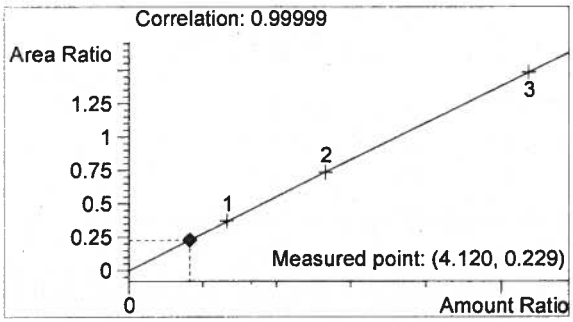
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/9/2014 9:43:53 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

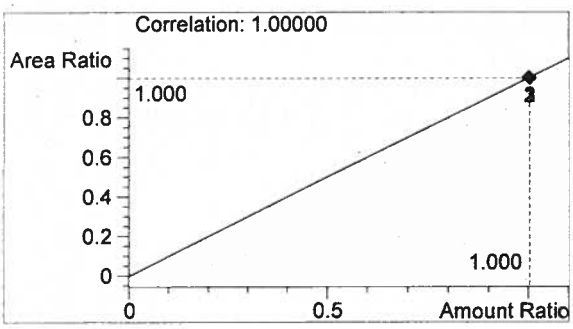
Sample Name: QAP 14044 0.04 3
Operator: Andrew Gingras
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	346	1.018
2	n-Propanol	1512	1.744



Ethanol 0.049 g/100mL

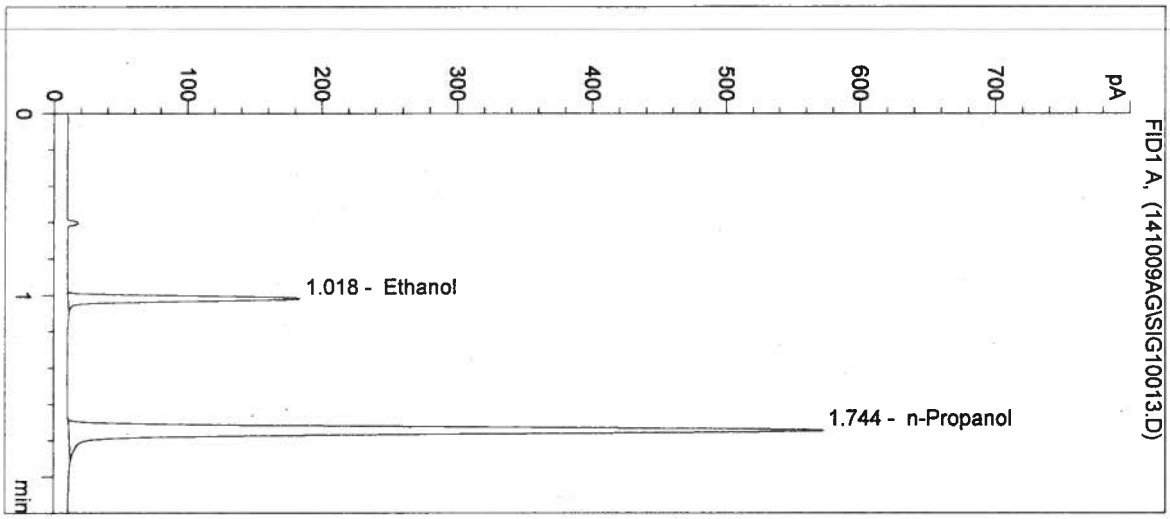


n-Propanol 0.012 g/100mL

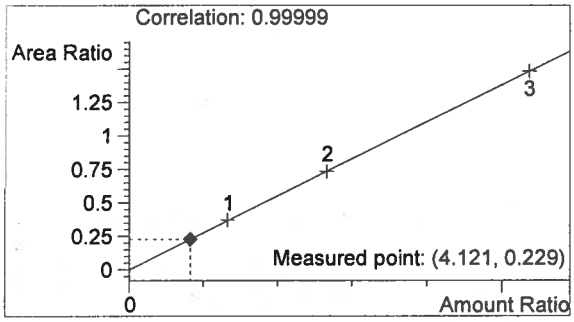
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/9/2014 9:47:07 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

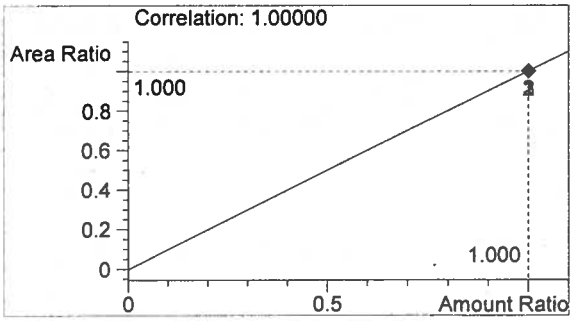
Sample Name: QAP 14044 0.04 4
Operator: Andrew Gingras
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	346	1.018
2	n-Propanol	1508	1.744



Ethanol 0.049 g/100mL

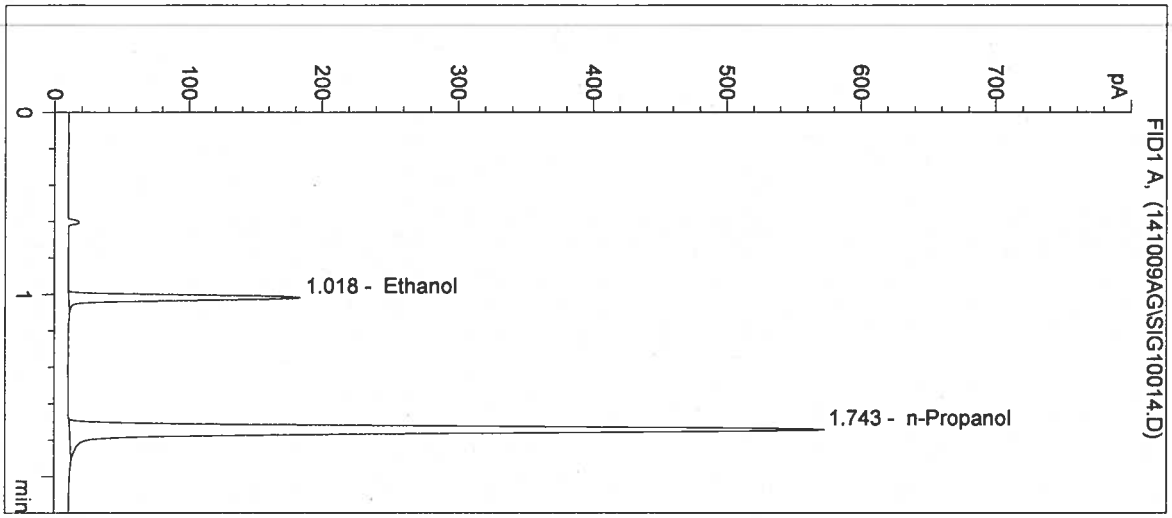


n-Propanol 0.012 g/100mL

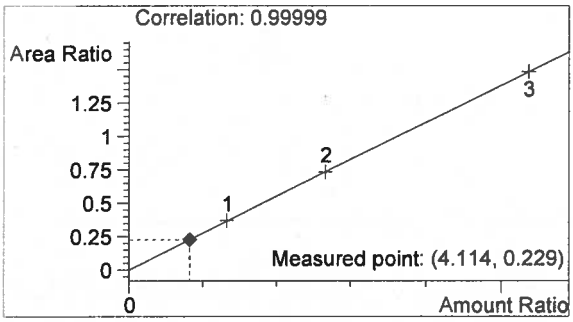
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/9/2014 9:50:20 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

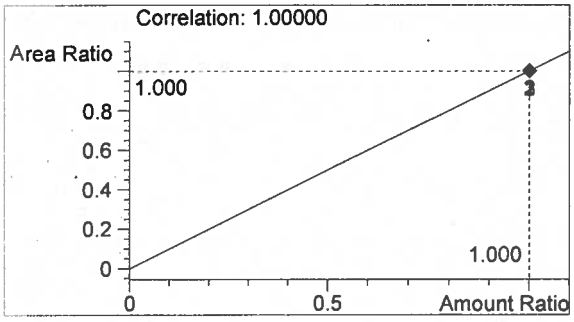
Sample Name: QAP 14044 0.04 5
Operator: Andrew Gingras
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	344	1.018
2	n-Propanol	1504	1.743



Ethanol 0.049 g/100mL

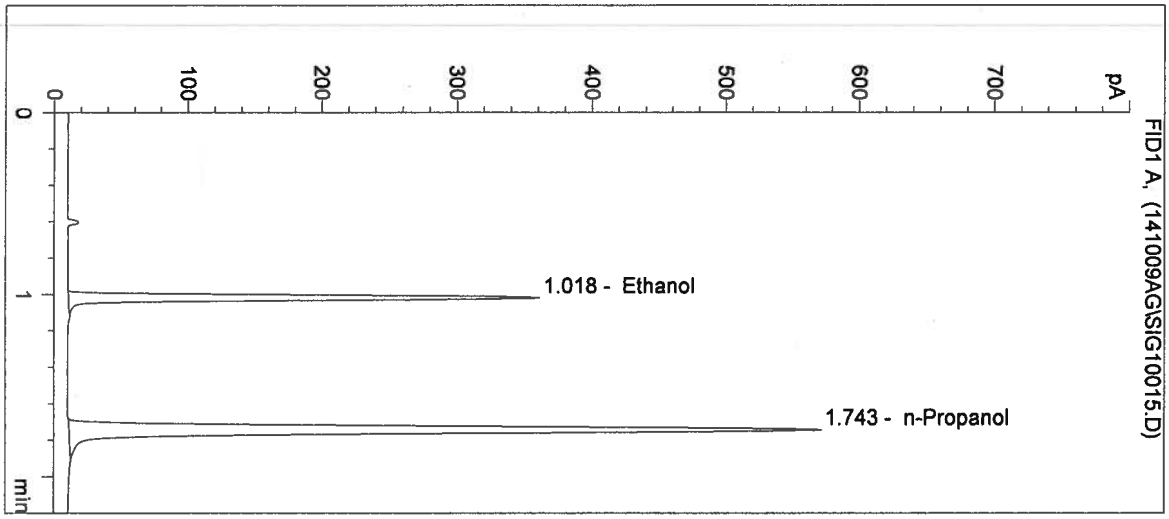


n-Propanol 0.012 g/100mL

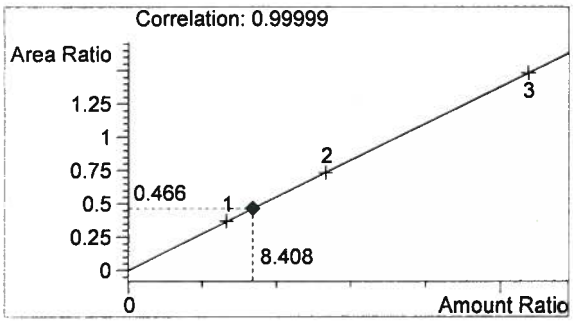
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/9/2014 9:53:34 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

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

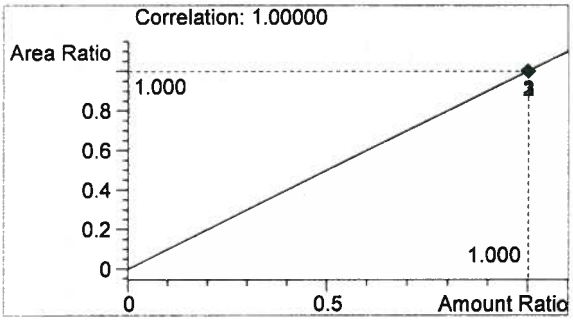


#	Compound	Peak Area	RT (min)
1	Ethanol	699	1.018
2	n-Propanol	1501	1.743



Ethanol 0.101 g/100mL

14044
JN 10/13/14

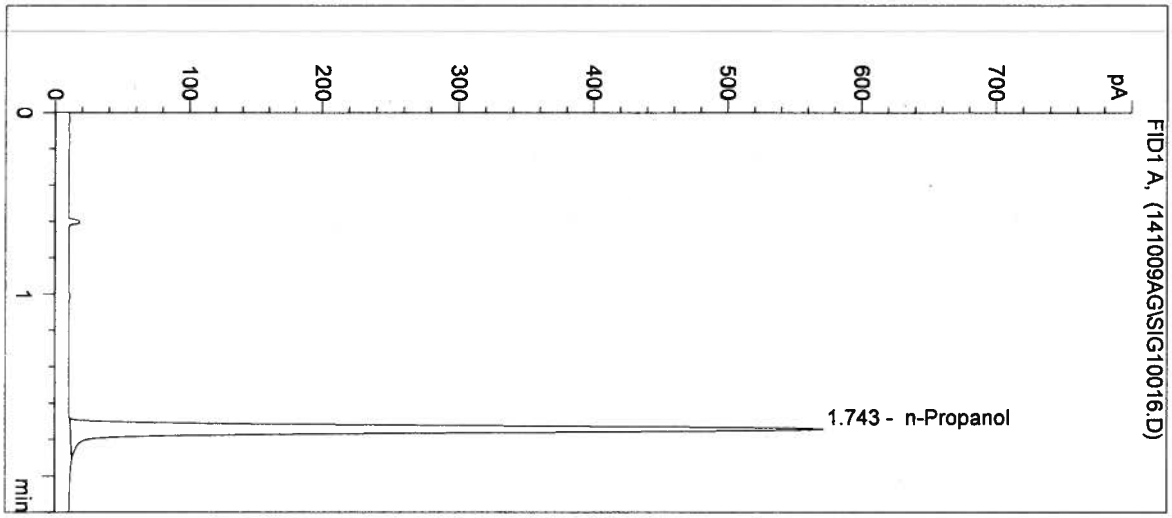


n-Propanol 0.012 g/100mL

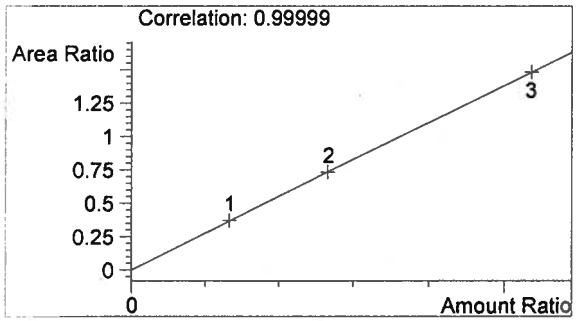
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/9/2014 9:56:47 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

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

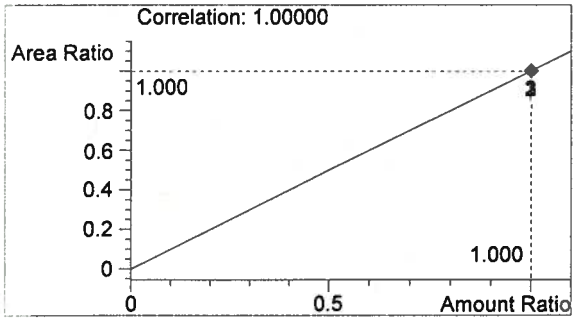


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1503	1.743



Ethanol 0.000 g/100mL

14044
fn 10/13/14



n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\2\DATA\141009AG\SIG10016.D