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

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

QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 14041

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

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

TESTING ITEM INFORMATION
TARGET VAPOR CONCENTRATION: 0.08 g/210L
DATE PREPARED: 09/18/2014
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Katie Knorr

	KK	CSJ	LL
1	0.103	0.098	0.099
2	0.100	0.099	0.098
3	0.100	0.099	0.101
4	0.099	0.099	0.100
5	0.099	0.099	0.101
C	0.101	0.098	0.098

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

RESULTS OF TESTING
AVERAGE SOLUTION CONCENTRATION: 0.0996 g/100mL
STANDARD DEVIATION: 0.00130
PRECISION CV (%): 1.30
NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.0810 g/210L**
EXPANDED UNCERTAINTY: ± 0.0024 (k=2, 95.45% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

Lisa Noble Forensic Scientist Supervisor

10/13/14
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
KK	Katie Knorr	Katie Knorr	09/19/2014
CSJ	Christopher S. Johnston		09/24/2014
LL	Lyndsey Lowe	Lyndsey Lowe	09/25/2014

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

QAP Solution Batch #: 14041 **Date Prepared:** 9/18/2014

Analyst:	KK	CSJ	LL
Date Tested:	9/19/2014	9/24/2014	9/25/2014
Instrument:	HSGC #3	HSGC #3	HSGC #3
1	0.103	0.098	0.099
2	0.100	0.099	0.098
3	0.100	0.099	0.101
4	0.099	0.099	0.100
5	0.099	0.099	0.101
C	0.101	0.098	0.098

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000113285	0.0001020304	0.0001016326

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

Average Solution Concentration: 0.0996 g/100mL
Standard Deviation: 0.00130 g/100mL
Precision CV (%): 1.30
Equivalent Vapor Concentration: 0.0810 g/210L
Combined Standard Uncertainty (±): 0.0012 g/210L
Expanded Uncertainty (±): 0.0024 coverage factor (k) =2 (95.45% level of confidence)

Calculations performed by: Lisa Noble (Name) Lisa Noble (Signature) 10/2/14 (Date)

Calculations verified by: Amanda M. Black (Name) [signature] (Signature) 10-10-2014 (Date) Method: Hand calculation

Tech. review performed by: Lisa Noble (Name) Lisa Noble (Signature) 10/2/14 (Date)

Washington State Patrol Toxicology Laboratory Division

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda M. Black **Date:** 10-10-2014

Location: WSP-FLSB Seattle, WA **Solution Batch Number:** 14041

	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:** 10-10-2014

Reviewer Signature: N/A OB 10-10-14 **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		
Asa Louis		
Brittany Ball		
Christie Mitchell-Mata		
Christopher Johnston	CJ	10/3/14
Dawn Sklerov		
Justin Knoy		
Katie Knorr	KK	10/2/14
Lyndsey Lowe	LL	10.2.14
Naziha Nuwayhid		
Rebecca Flaherty		

Batch # 14041

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

0.08 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION CERTIFICATION FOR LOT 14041

I, Katie Knorr, do certify under penalty of perjury that:

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

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

The quality assurance procedure (QAP) solution, Lot Number 14041, was prepared in the Washington State Toxicology Laboratory on 9/18/2014. 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 9/18/2015.

Seattle, WA

Katie Knorr 10/2/14

Katie Knorr Date

Forensic Toxicologist

JAY INSLEE
Governor

JOHN R. BATISTE
Chief

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0.08 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION CERTIFICATION FOR LOT 14041

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 14041, was prepared in the Washington State Toxicology Laboratory on 9/18/2014. 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 9/18/2015.

Seattle, WA

Chris S. Johnston 10/3/14

Christopher S. Johnston Date

Forensic Toxicologist

JAY INSLEE
Governor

JOHN R. BATISTE
Chief

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0.08 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION CERTIFICATION FOR LOT 14041

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

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

I possess the following qualifications: BS degree in Chemistry.

The quality assurance procedure (QAP) solution, Lot Number 14041, was prepared in the Washington State Toxicology Laboratory on 9/18/2014. 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 9/18/2015.

Seattle, WA

10-3-14

Lyndsey Lowe — 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: 9/18/14 Initials of Preparer: KK

Expiration Date: 9/18/15

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	☑	14040
QAP 0.08	22.4	18	☑	14041
QAP 0.10	28.1	18	☐	
QAP 0.15	42.1	18	☑	14042
QAP 0.20	56.1	18	☑	14043
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	☑ 9/18/14 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:

Katie Knox
Analyst Signature

9/18/14
Date

Sequence: C:\HPCHEM\2\SEQUENCE\KKQAP2.S

Sequence Parameters:

Operator:	Katie Knorr
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:	140919KK
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

14041
Stamped
10/2/14
10/01/14

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	14041-1	SIMALC3	1	Sample		
11	Vial 11	14041-2	SIMALC3	1	Sample		
12	Vial 12	14041-3	SIMALC3	1	Sample		
13	Vial 13	14041-4	SIMALC3	1	Sample		
14	Vial 14	14041-5	SIMALC3	1	Sample		
15	Vial 15	0.10 Control	SIMALC3	1	Ctrl Samp		
16	Vial 16	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	

KK

Sequence: C:\HPCHEM\2\SEQUENCE\KKQAP2.S

Sequence Table (Back Injector):

No entries - empty table!

14041
Stamped
10/2/14
10/2/14

KK

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

Calibration Table

Calib. Data Modified : Friday, September 19, 2014 11:10:13 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	580.10437	1.37130e-4	1		Ethanol
		2	1.59740e-1	1115.83899	1.43157e-4			
		3	3.21980e-1	2289.40332	1.40639e-4			
1.744	1	1	1.20000e-2	1590.22925	7.54608e-6	I1		n-Propanol
		2	1.20000e-2	1551.13757	7.73626e-6			
		3	1.20000e-2	1588.53442	7.55413e-6			

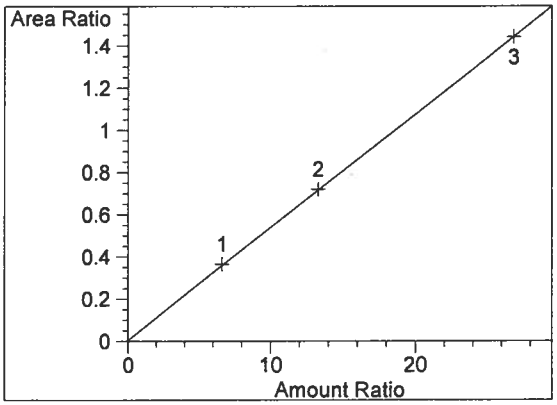
Peak Sum Table

No Entries in table

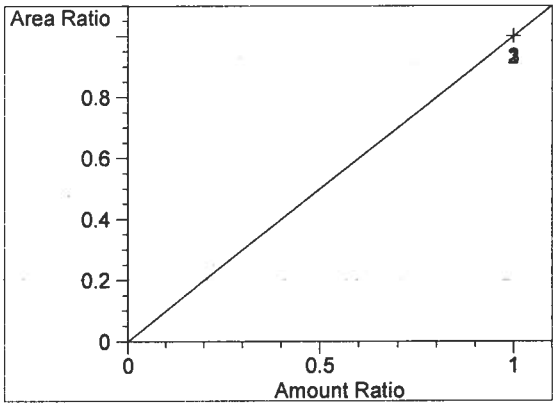
14041
stamped
10/2/14
10/6/14

KK

Calibration Curves



Ethanol at exp. RT: 1.019
FID1 A,
Correlation: 0.99998
Residual Std. Dev.: 0.00494
Formula: y = mx + b
m: 5.36187e-2
b: 4.37144e-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

14041
stamped
10/21/14
to 10/8/14

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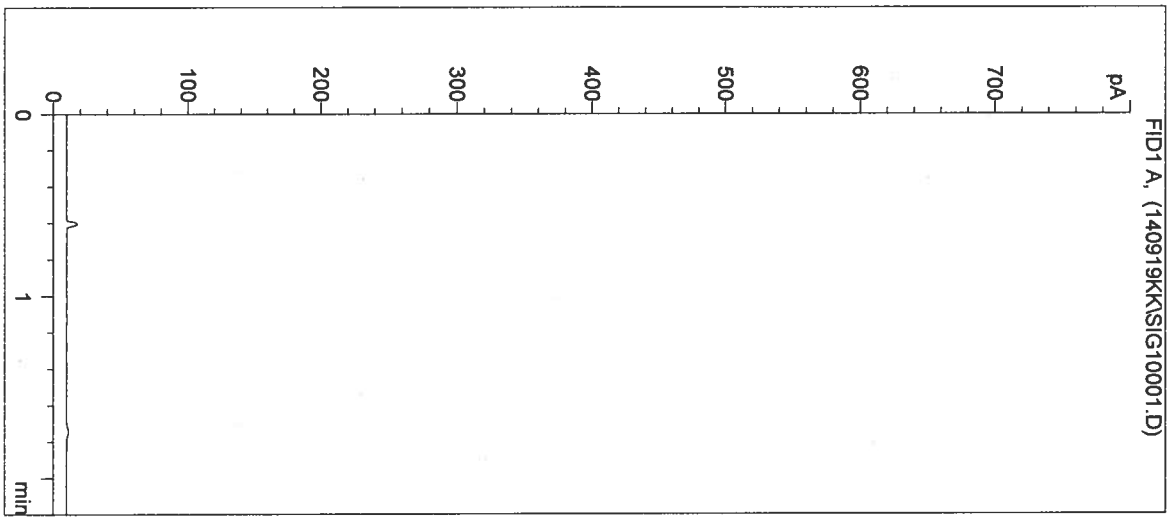
Inj. Date: 9/19/2014 9:22:34 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

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



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

14041
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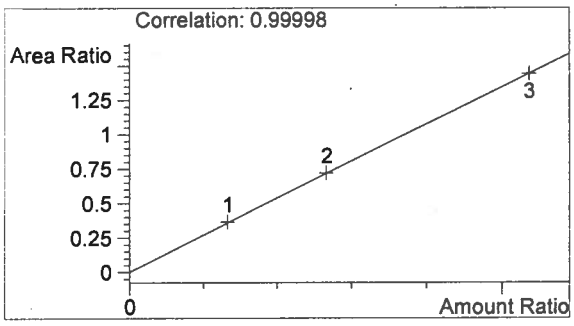
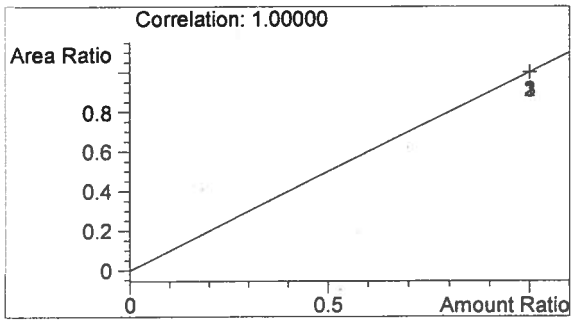
10/2/14
to 10/8/14



Ethanol 0.000 g/100mL



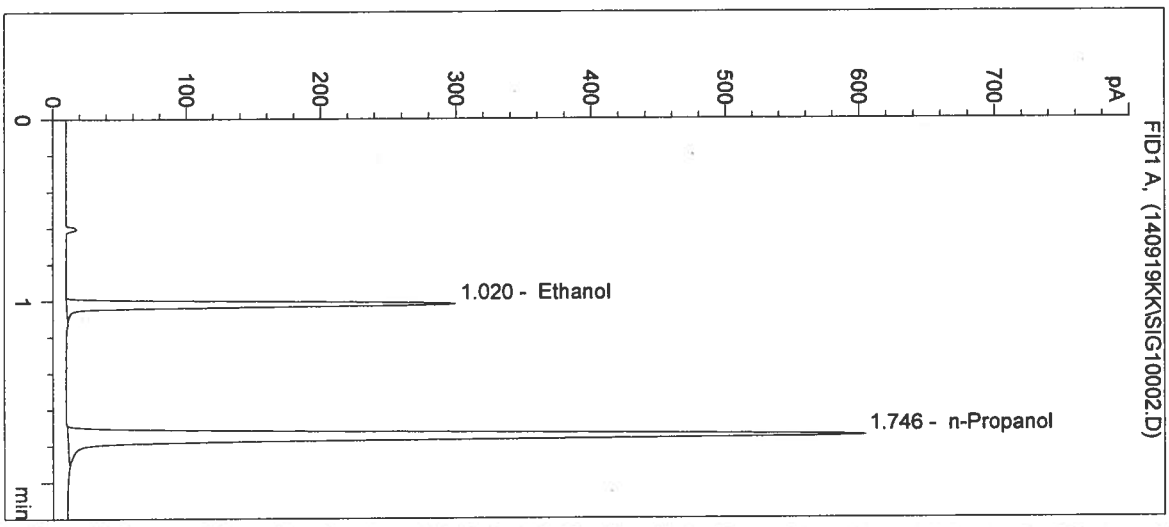
n-Propanol 0.000 g/100mL

KK

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

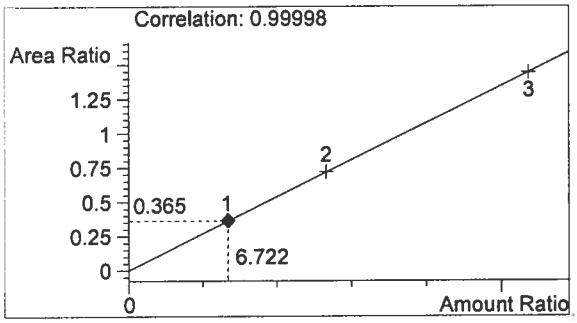
Inj. Date: 9/19/2014 9:25:52 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

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

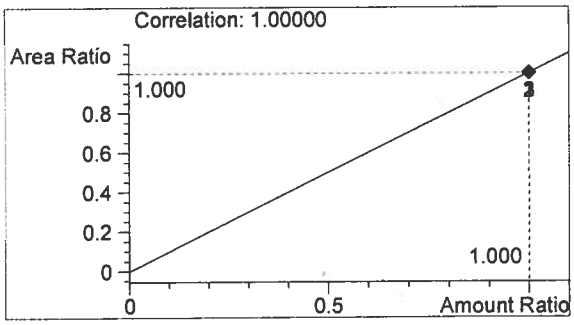


#	Compound	Peak Area	RT (min)
1	Ethanol	580	1.020
2	n-Propanol	1590	1.746

14041
stamped
10/2/14
bn 10/2/14



Ethanol 0.081 g/100mL



n-Propanol 0.012 g/100mL

bn

Data File: C:\HPCHEM\2\DATA\140919KK\SIG10002.D

KK

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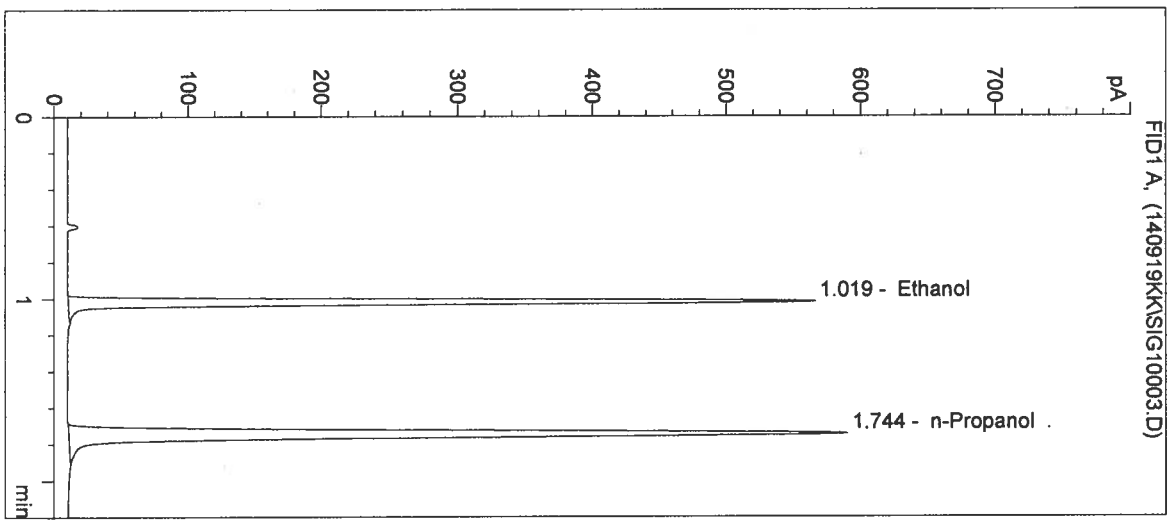
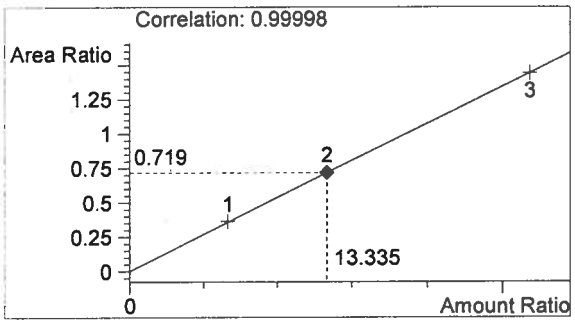
Inj. Date: 9/19/2014 9:29:09 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

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

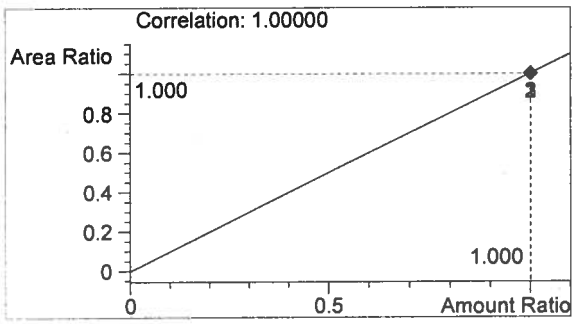


#	Compound	Peak Area	RT (min)
1	Ethanol	1116	1.019
2	n-Propanol	1551	1.744

14041
stamped
10/2/14
10/2/14



Ethanol 0.160 g/100mL



n-Propanol 0.012 g/100mL

L

Data File: C:\HPCHEM\2\DATA\140919KK\SIG10003.D

KK

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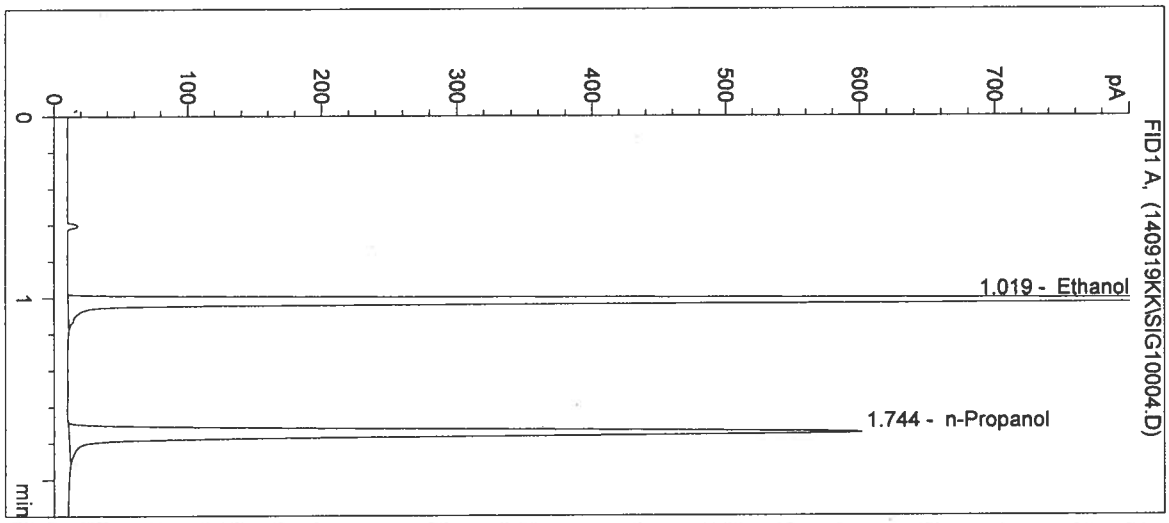
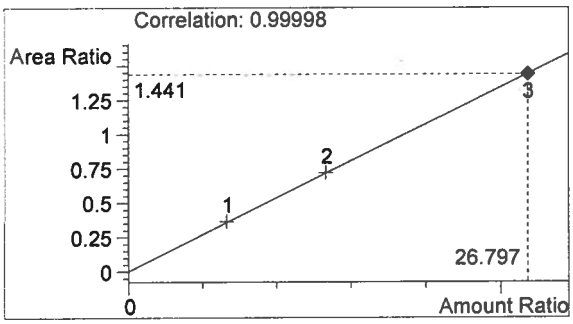
Inj. Date: 9/19/2014 9:32:27 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

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

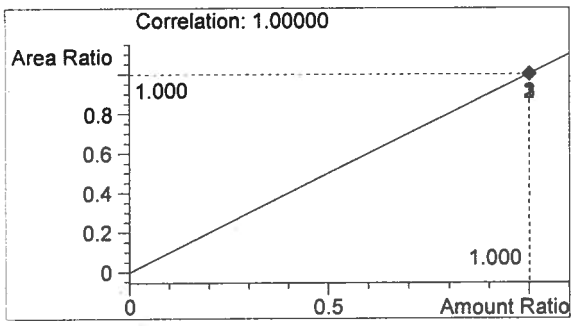


#	Compound	Peak Area	RT (min)
1	Ethanol	2289	1.019
2	n-Propanol	1589	1.744

14041
Stamped
10/2/14
10/6/14



Ethanol 0.322 g/100mL



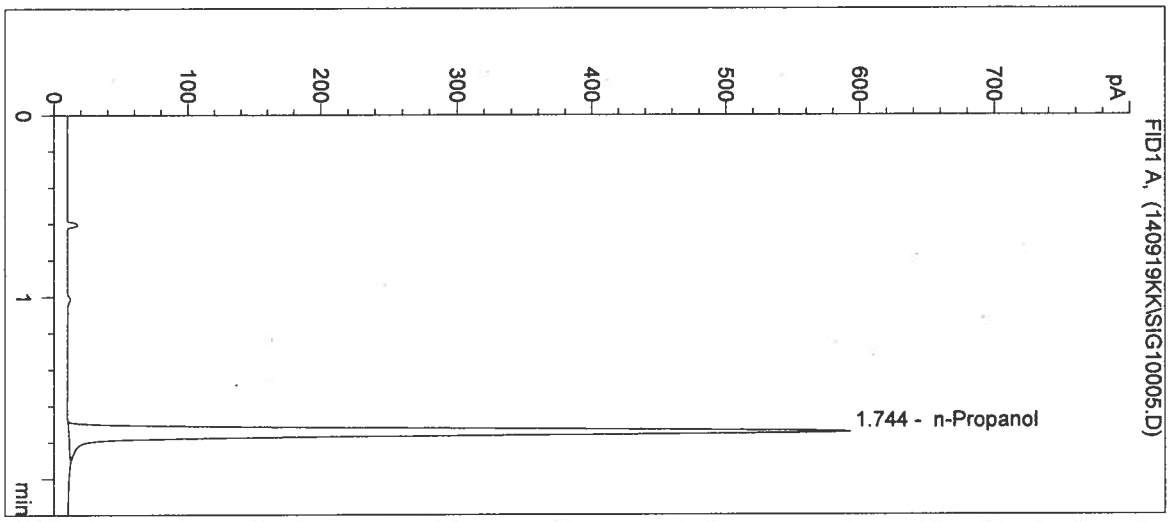
n-Propanol 0.012 g/100mL

KK

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

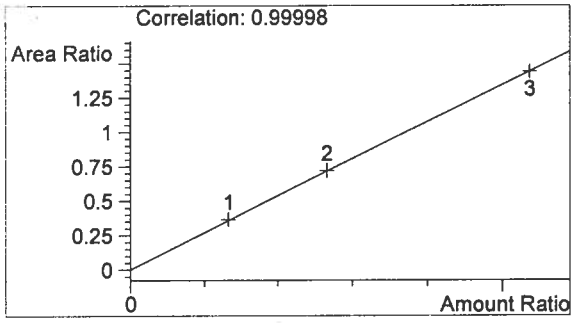
Inj. Date: 9/19/2014 9:35:40 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

Sample Name: Neg Control
Operator: Katie Knorr
Location: Vial 5

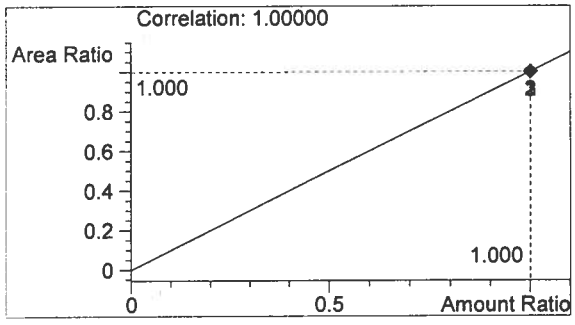


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1558	1.744

14041
Stamped
10/2/14
In 10/8/14



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

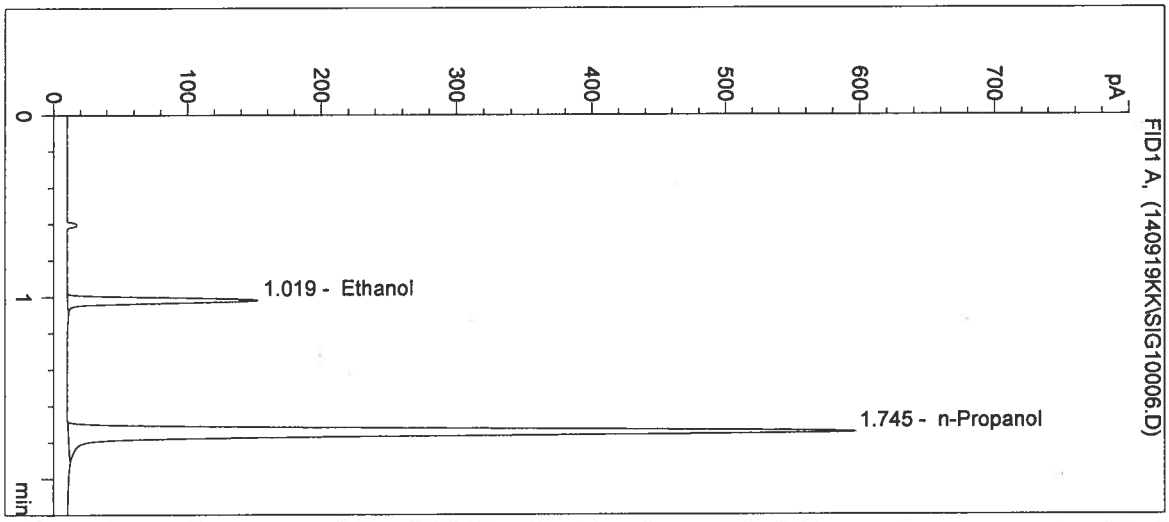
Data File: C:\HPCHEM\2\DATA\140919KK\SIG10005.D

KK

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

Inj. Date: 9/19/2014 9:38:53 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

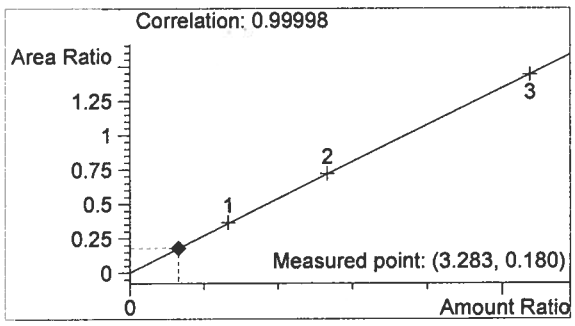
Sample Name: 0.04 Control
Operator: Katie Knorr
Location: Vial 6



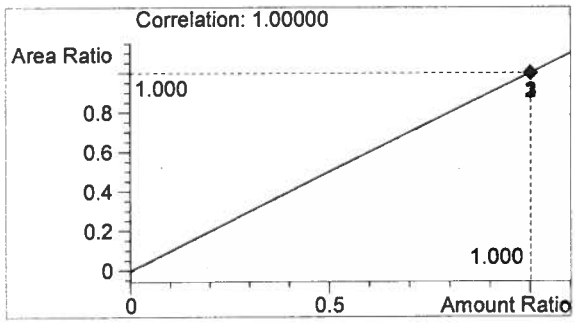
#	Compound	Peak Area	RT (min)
1	Ethanol	283	1.019
2	n-Propanol	1568	1.745

14041

Stamped
10/2/14
Sn 10/8/14



Ethanol 0.039 g/100mL



n-Propanol 0.012 g/100mL

Sn

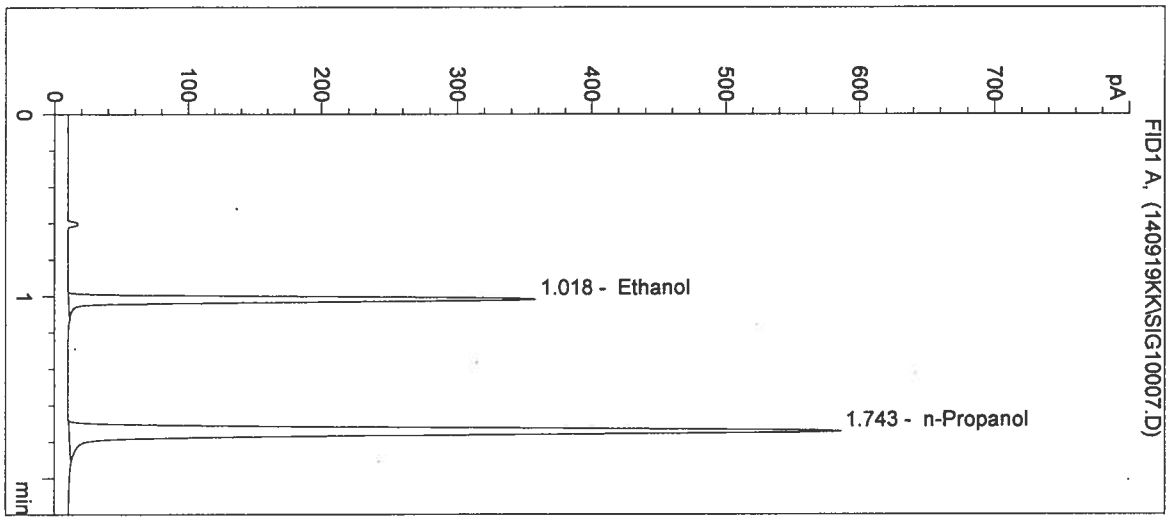
Data File: C:\HPCHEM\2\DATA\140919KK\SIG10006.D

KK

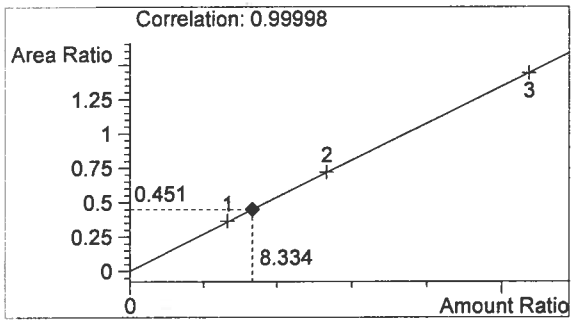
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/19/2014 9:42:06 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

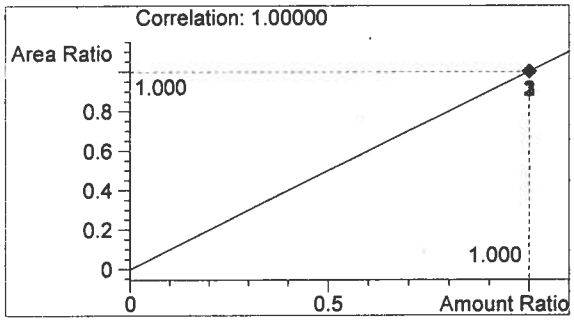
Sample Name: 0.10 Control
Operator: Katie Knorr
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	696	1.018
2	n-Propanol	1541	1.743



Ethanol 0.100 g/100mL



n-Propanol 0.012 g/100mL

14041
Stamped
10/2/14
Th 10/8/14

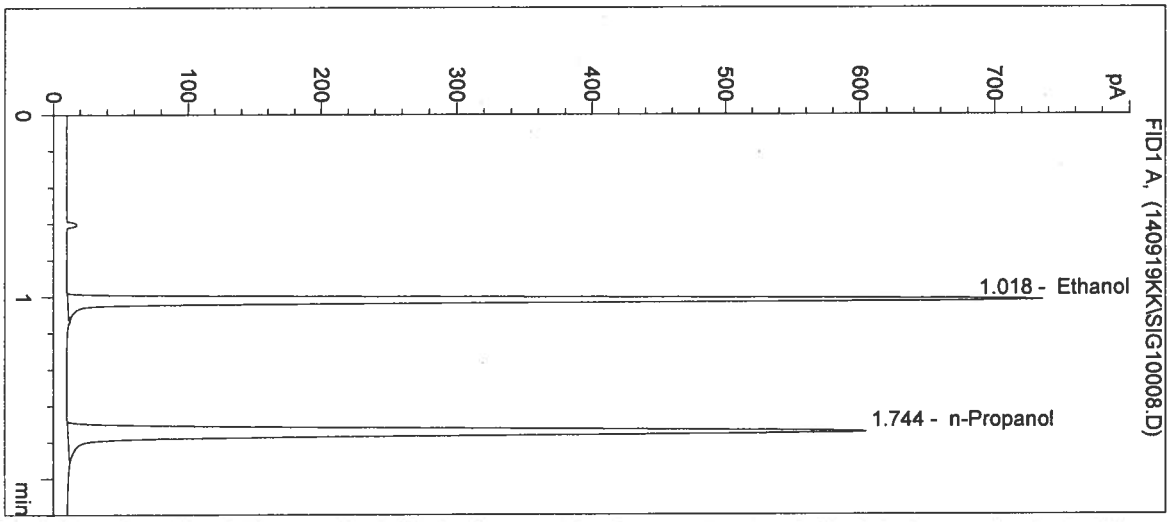
Data File: C:\HPCHEM\2\DATA\140919KK\SIG10007.D

KK

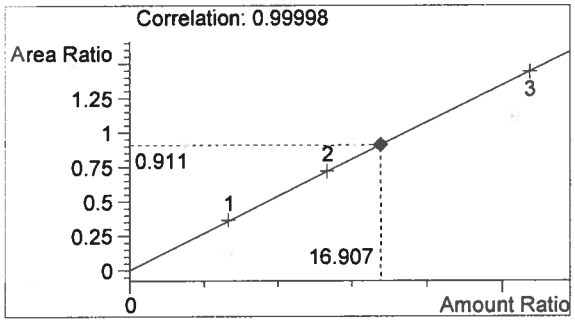
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/19/2014 9:45:20 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

Sample Name: 0.20 Control
Operator: Katie Knorr
Location: Vial 8

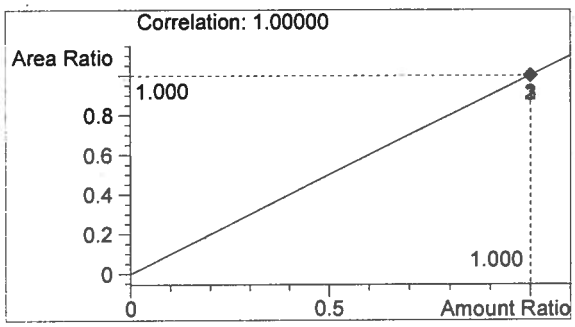


#	Compound	Peak Area	RT (min)
1	Ethanol	1449	1.018
2	n-Propanol	1591	1.744



Ethanol 0.203 g/100mL

14041
Stamped
10/2/14
JH 10/8/14



n-Propanol 0.012 g/100mL

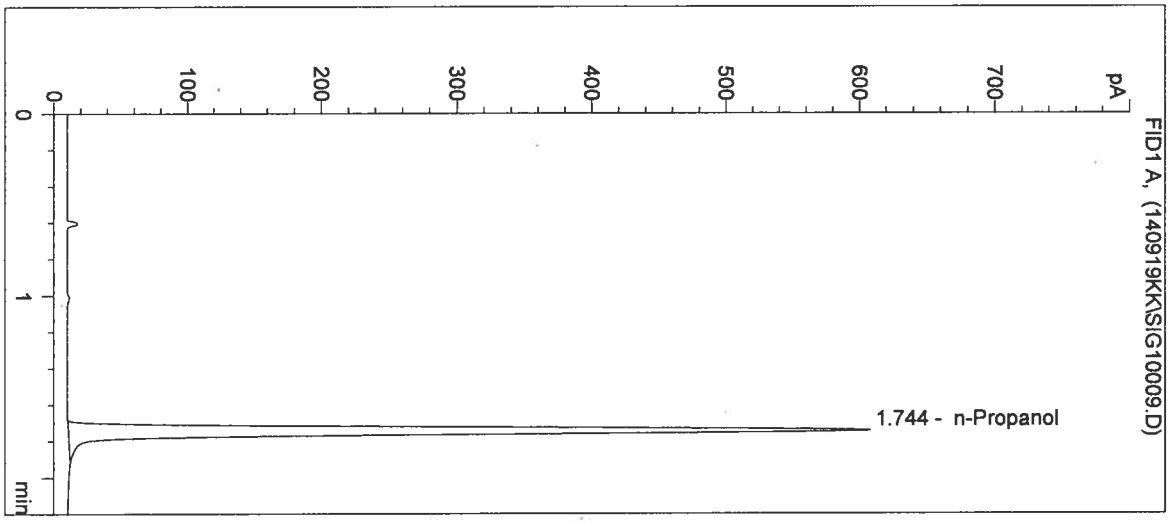
Data File: C:\HPCHEM\2\DATA\140919KK\SIG10008.D

KK

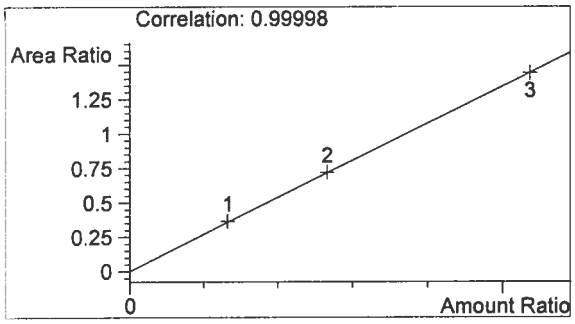
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/19/2014 9:48:33 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

Sample Name: Neg Control
Operator: Katie Knorr
Location: Vial 9

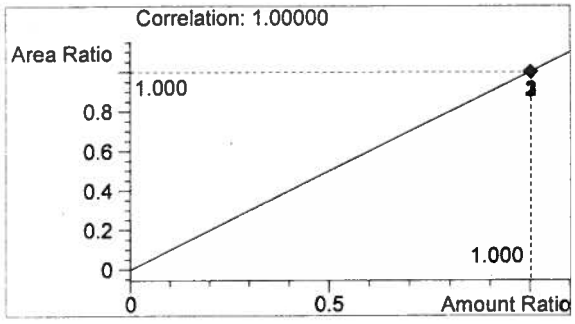


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1608	1.744



Ethanol 0.000 g/100mL

14041
Stamped
10/2/14
fm 10/8/14



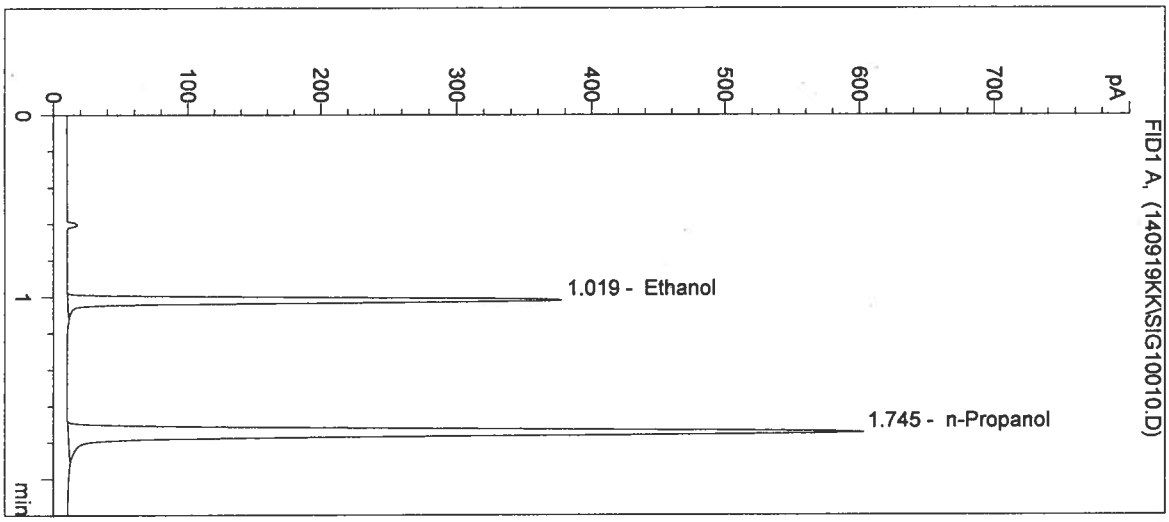
n-Propanol 0.012 g/100mL

KK

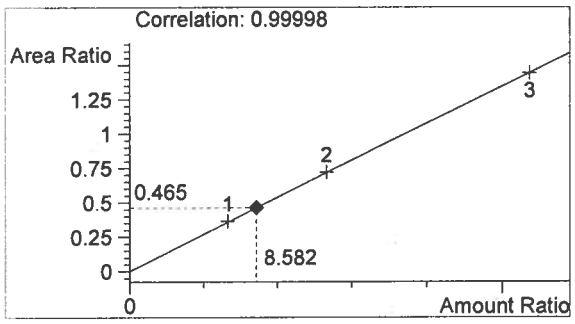
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/19/2014 9:51:47 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

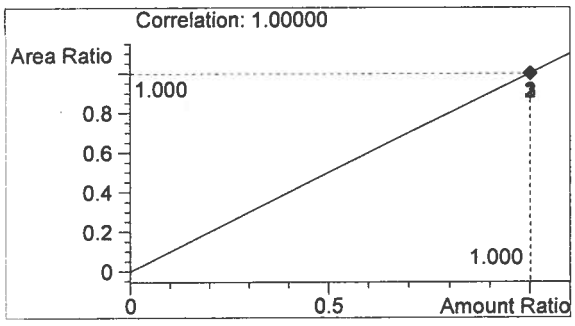
Sample Name: 14041-1
Operator: Katie Knorr
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	738	1.019
2	n-Propanol	1589	1.745



Ethanol 0.103 g/100mL



n-Propanol 0.012 g/100mL

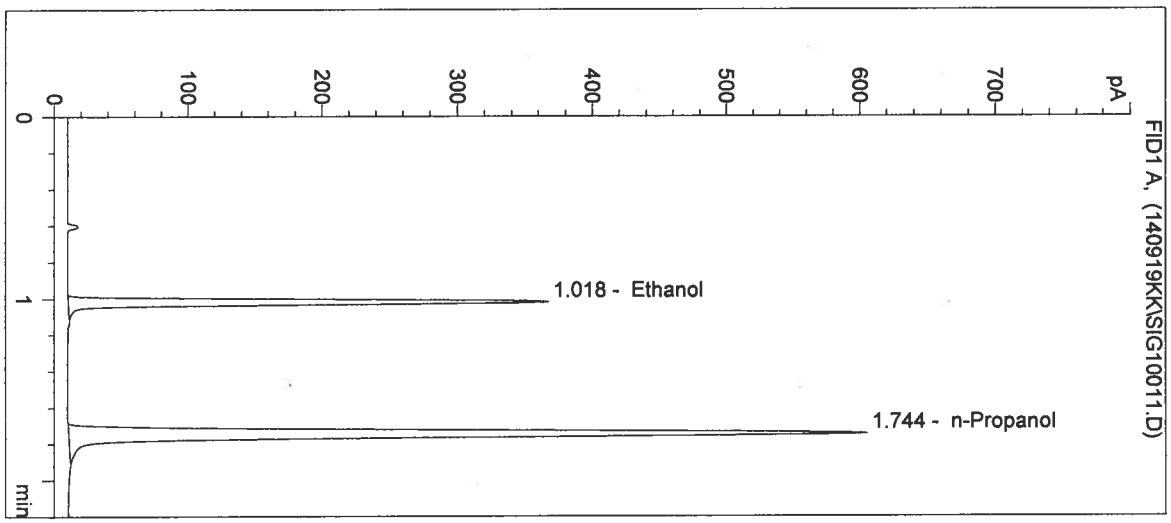
Data File: C:\HPCHEM\2\DATA\140919KK\SIG10010.D

KK

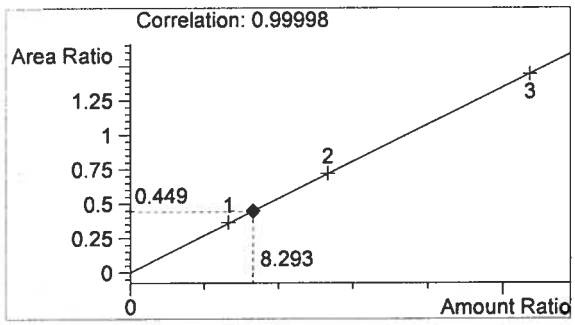
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/19/2014 9:55:00 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

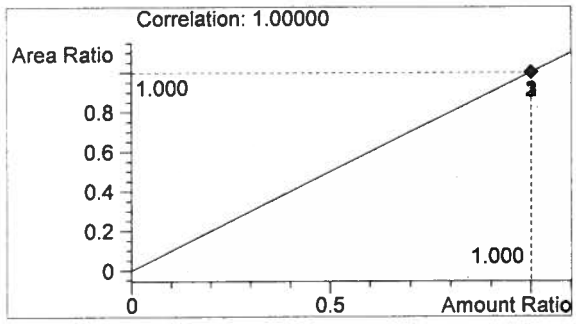
Sample Name: 14041-2
Operator: Katie Knorr
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	718	1.018
2	n-Propanol	1598	1.744



Ethanol 0.100 g/100mL



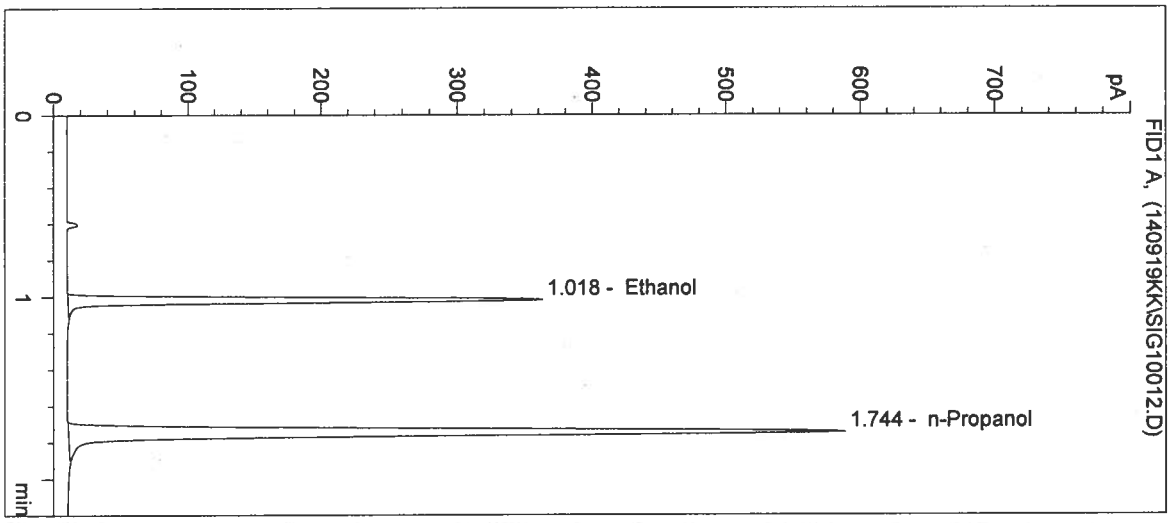
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\2\DATA\140919KK\SIG10011.D

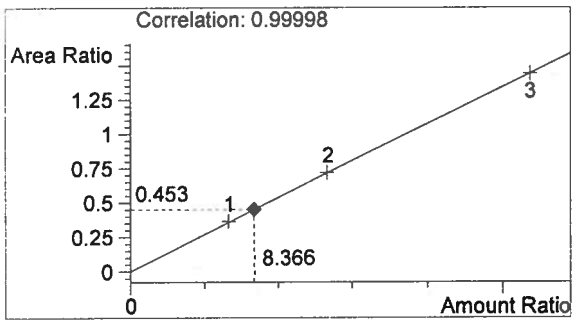
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/19/2014 9:58:13 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

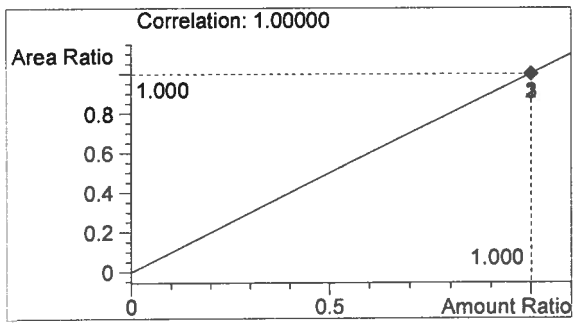
Sample Name: 14041-3
Operator: Katie Knorr
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	700	1.018
2	n-Propanol	1544	1.744



Ethanol 0.100 g/100mL



n-Propanol 0.012 g/100mL

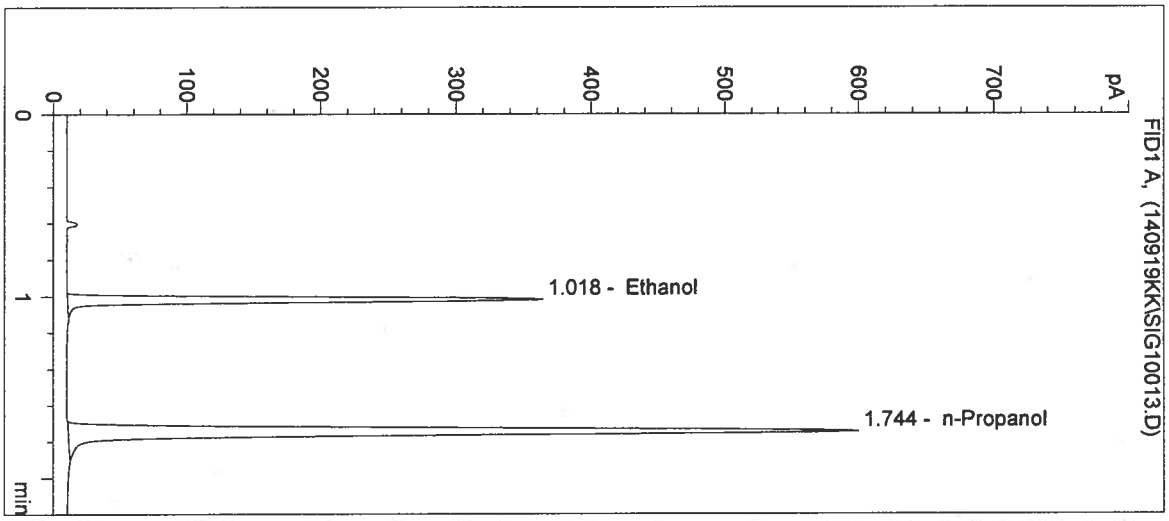
Data File: C:\HPCHEM\2\DATA\140919KK\SIG10012.D

KK

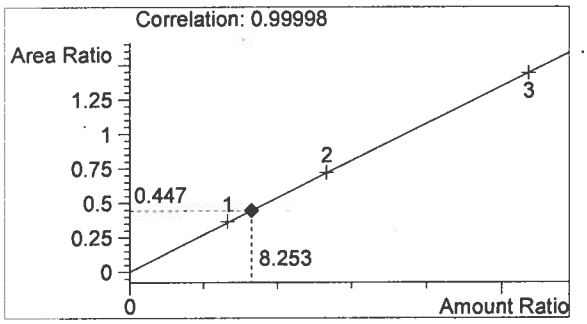
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/19/2014 10:01:27 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

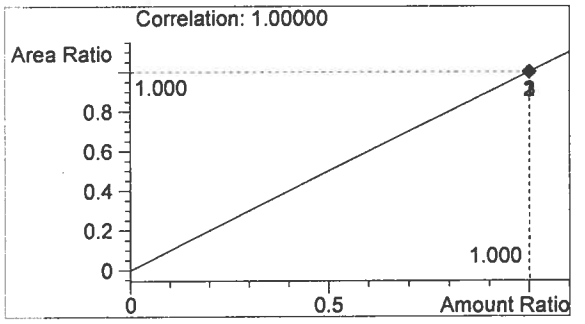
Sample Name: 14041-4
Operator: Katie Knorr
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	705	1.018
2	n-Propanol	1577	1.744



Ethanol 0.099 g/100mL



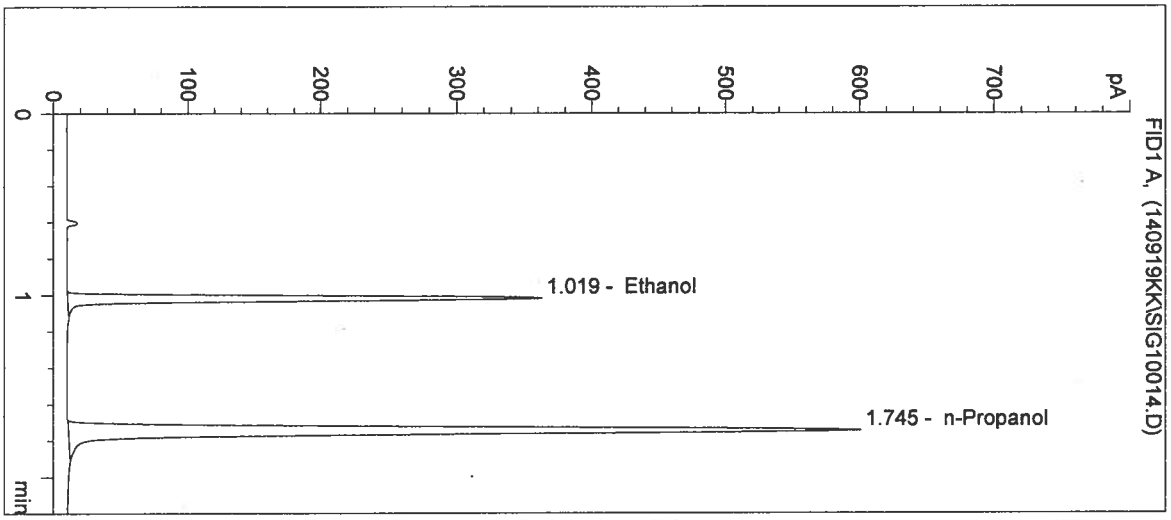
n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\2\DATA\140919KK\SIG10013.D

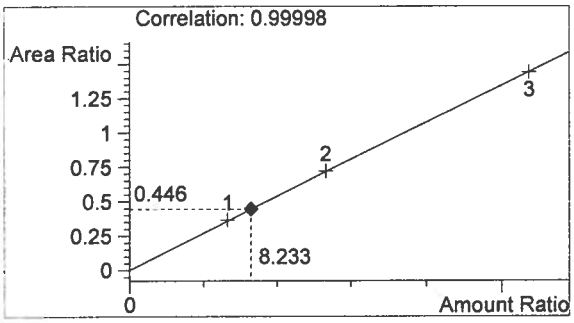
KK

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

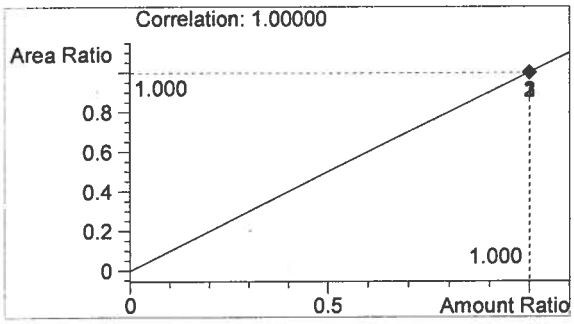
Inj. Date: 9/19/2014 10:04:41 AM Sample Name: 14041-5
Instrument: HSGC#3 Operator: Katie Knorr
Column: DB-ALC2 Location: Vial 14
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	705	1.019
2	n-Propanol	1582	1.745



Ethanol 0.099 g/100mL



n-Propanol 0.012 g/100mL

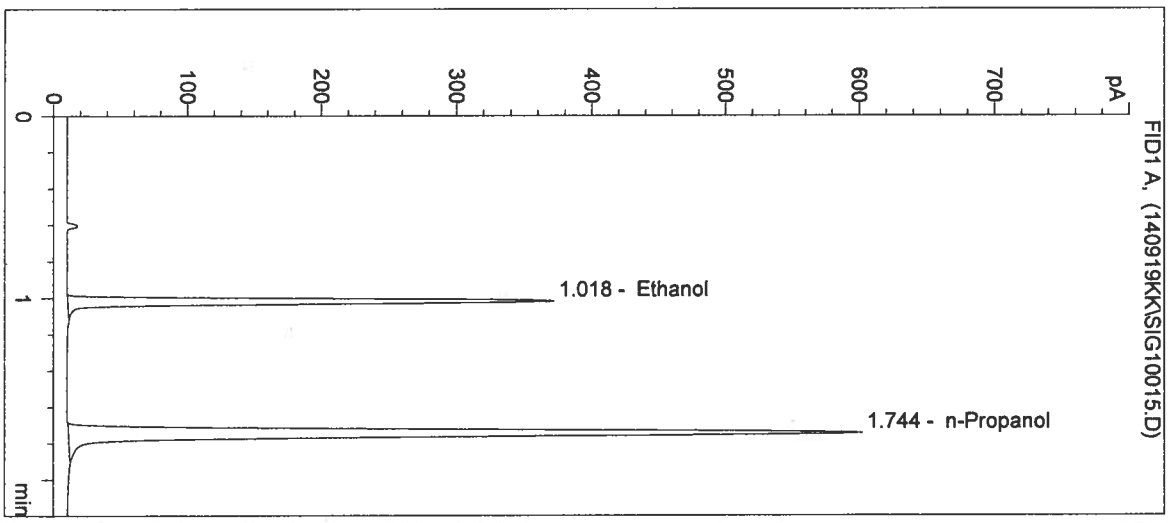
Data File: C:\HPCHEM\2\DATA\140919KK\SIG10014.D Page 1 of 1

KK

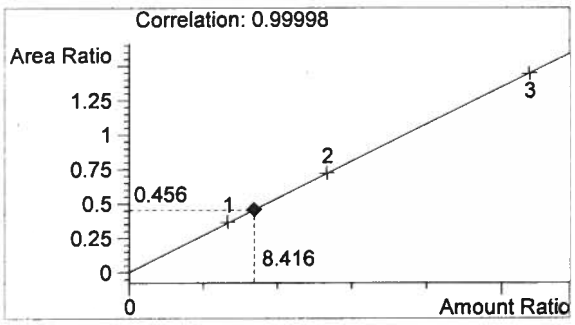
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/19/2014 10:07:53 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

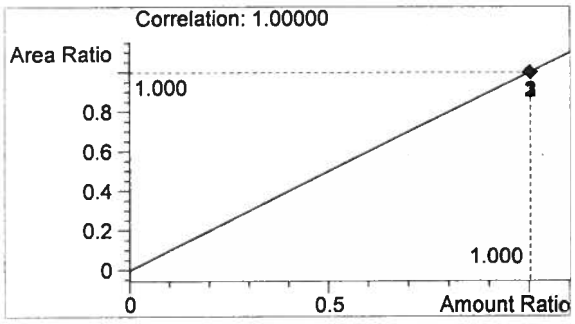
Sample Name: 0.10 Control
Operator: Katie Knorr
Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	721	1.018
2	n-Propanol	1582	1.744



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

14041
Stamped
10/2/14
10/8/14

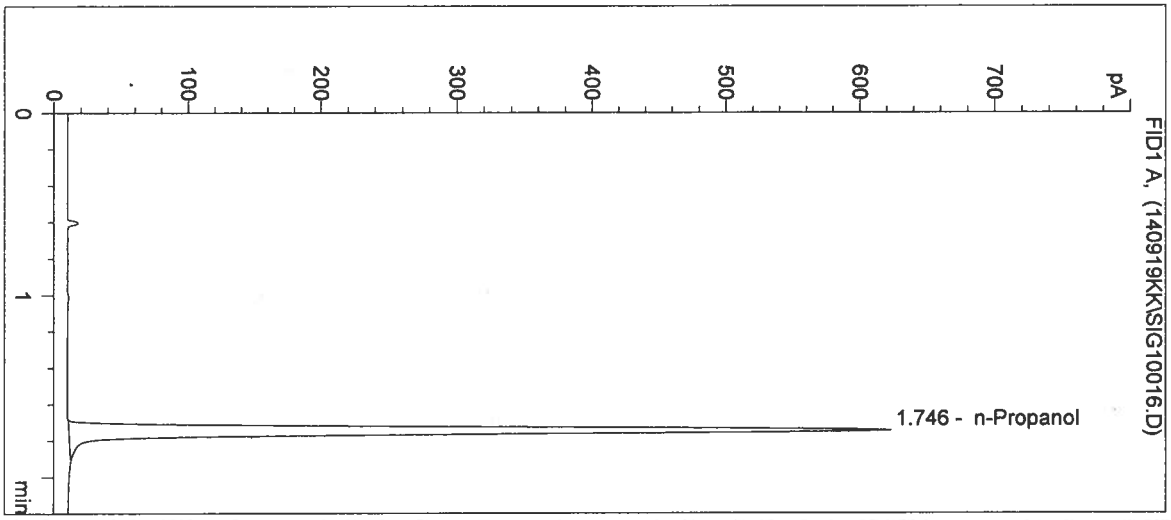
Data File: C:\HPCHEM\2\DATA\140919KK\SIG10015.D

KK

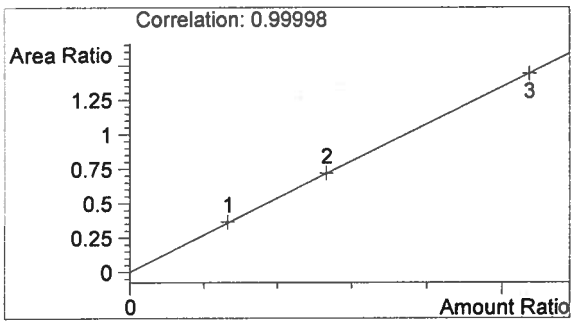
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/19/2014 10:11:07 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

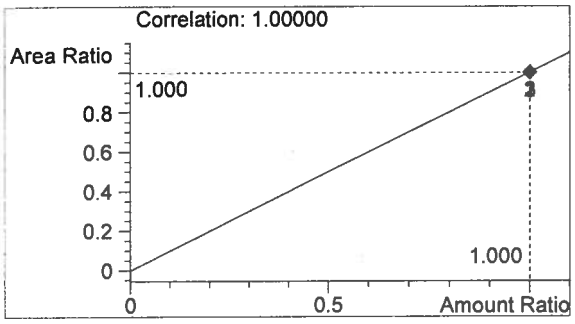
Sample Name: Neg Control
Operator: Katie Knorr
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1645	1.746



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

14041
Stamped
10/2/14
10/5/14

Data File: C:\HPCHEM\2\DATA\140919KK\SIG10016.D

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

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:	140924CJ
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

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	14040-1	SIMALC3	1	Sample		
11	Vial 11	14040-2	SIMALC3	1	Sample		
12	Vial 12	14040-3	SIMALC3	1	Sample		
13	Vial 13	14040-4	SIMALC3	1	Sample		
14	Vial 14	14040-5	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	14041-1	SIMALC3	1	Sample		
18	Vial 18	14041-2	SIMALC3	1	Sample		
19	Vial 19	14041-3	SIMALC3	1	Sample		
20	Vial 20	14041-4	SIMALC3	1	Sample		
21	Vial 21	14041-5	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	14042-1	SIMALC3	1	Sample		
25	Vial 25	14042-2	SIMALC3	1	Sample		
26	Vial 26	14042-3	SIMALC3	1	Sample		

14040
14041
14042
14043
Stamped 10/2/14
JW 10/8/14
JL
W

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

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
27	Vial 27	14042-4	SIMALC3	1	Sample		
28	Vial 28	14042-5	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	14043-1	SIMALC3	1	Sample		
32	Vial 32	14043-2	SIMALC3	1	Sample		
33	Vial 33	14043-3	SIMALC3	1	Sample		
34	Vial 34	14043-4	SIMALC3	1	Sample		
35	Vial 35	14043-5	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!

14040

14041

14042

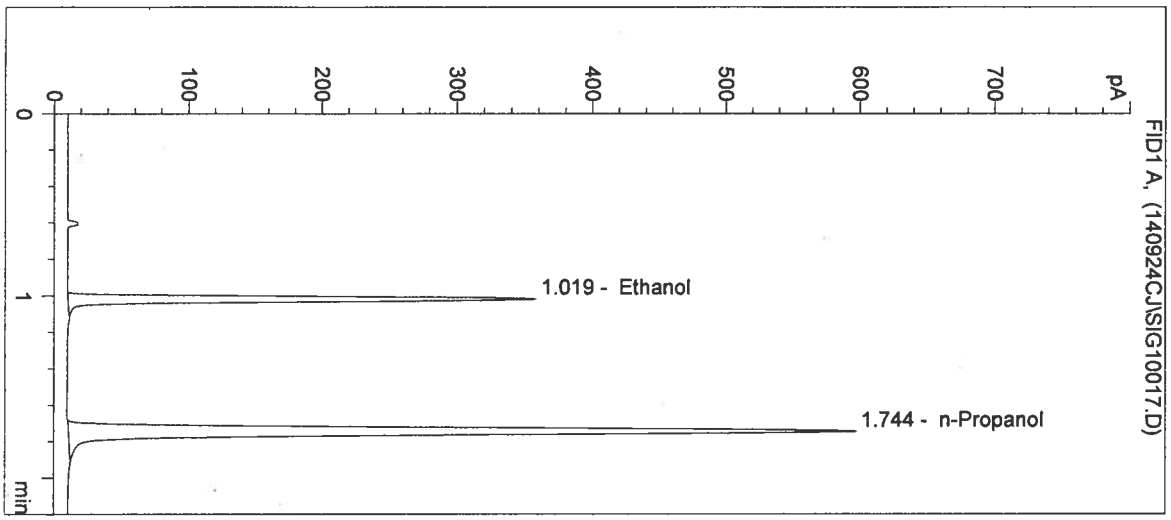
14043

Stamped
10/2/14
10/8/14

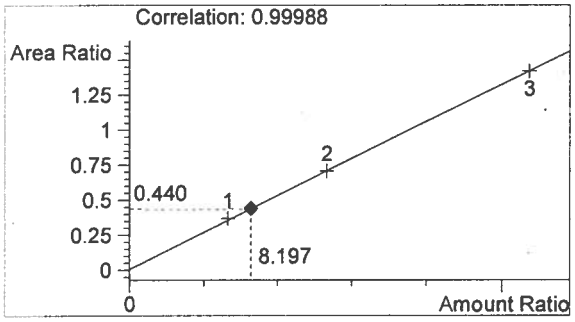
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/24/2014 9:59:50 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

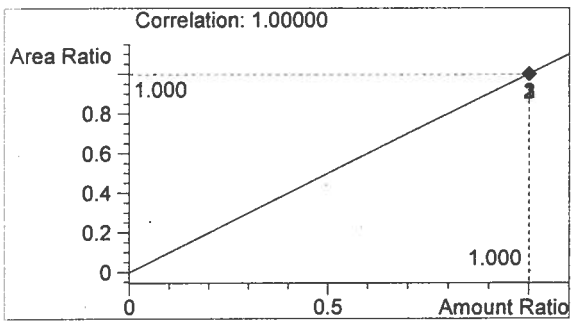
Sample Name: 14041-1
Operator: Chris Johnston
Location: Vial 17



#	Compound	Peak Area	RT (min)
1	Ethanol	694	1.019
2	n-Propanol	1577	1.744



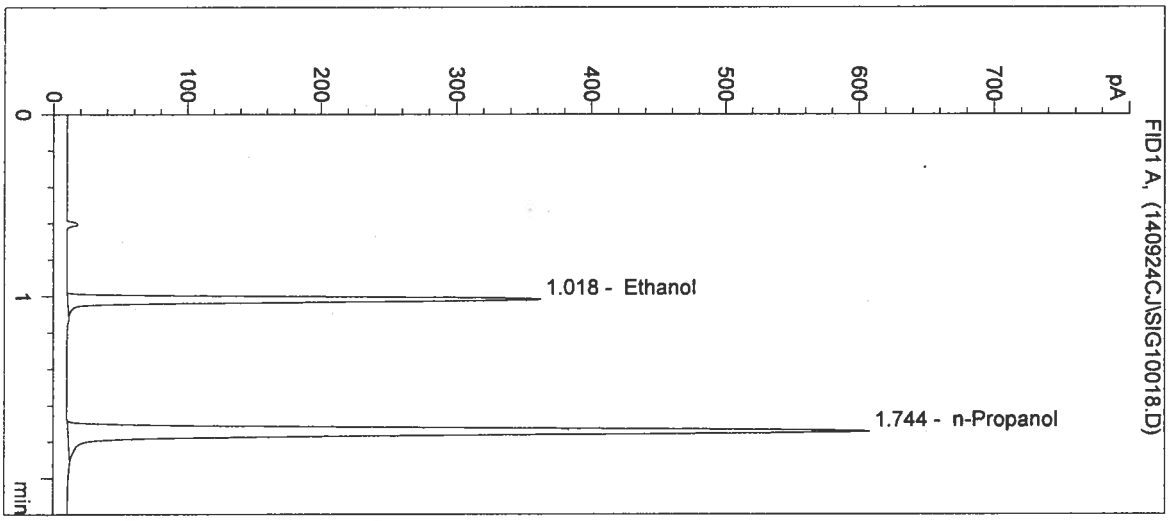
Ethanol 0.098 g/100mL



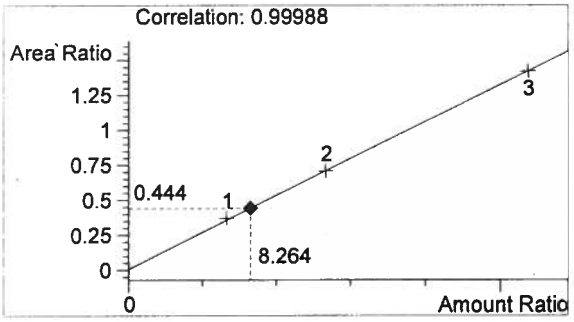
n-Propanol 0.012 g/100mL

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

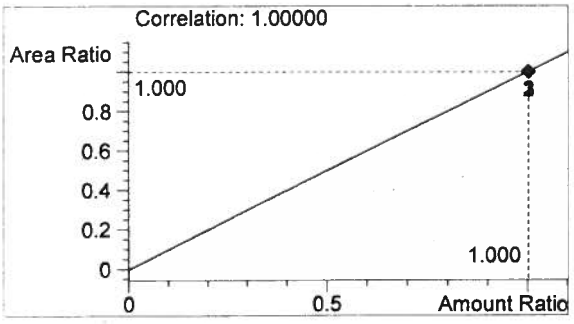
Inj. Date: 9/24/2014 10:03:02 AM Sample Name: 14041-2
Instrument: HSGC#3 Operator: Chris Johnston
Column: DB-ALC2 Location: Vial 18
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	711	1.018
2	n-Propanol	1602	1.744



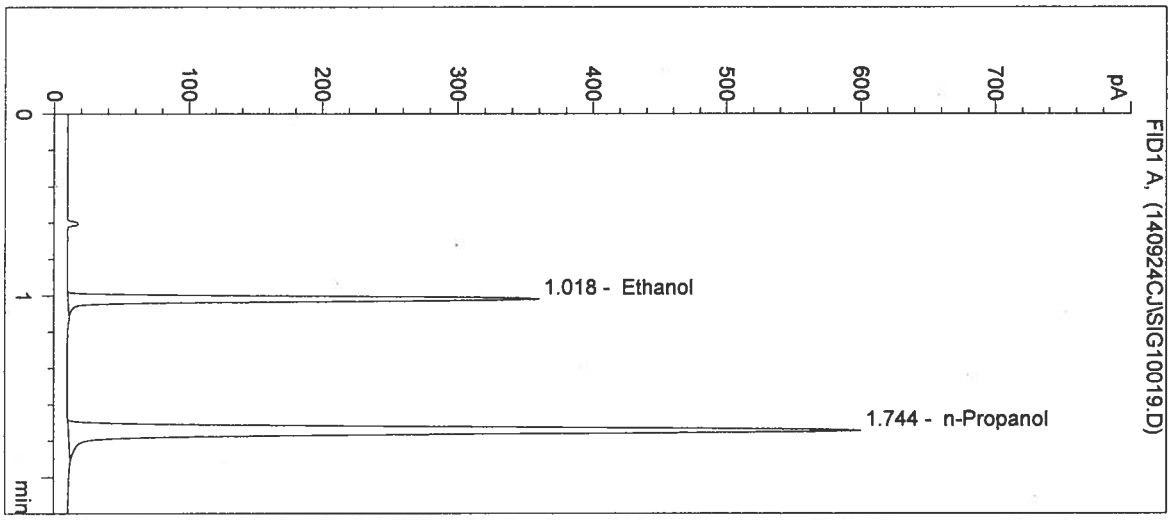
Ethanol 0.099 g/100mL



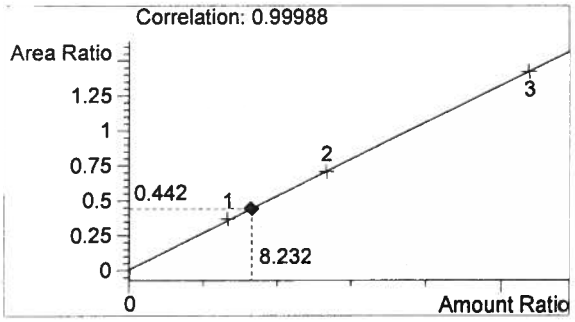
n-Propanol 0.012 g/100mL

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

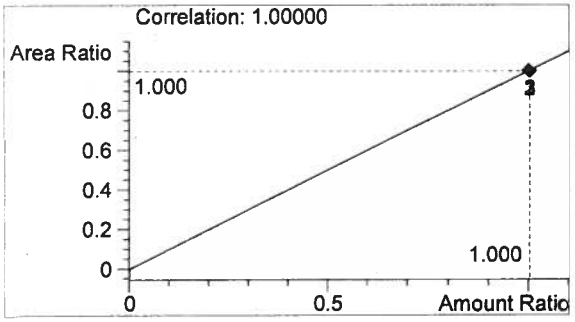
Inj. Date: 9/24/2014 10:06:15 AM Sample Name: 14041-3
Instrument: HSGC#3 Operator: Chris Johnston
Column: DB-ALC2 Location: Vial 19
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	700	1.018
2	n-Propanol	1582	1.744



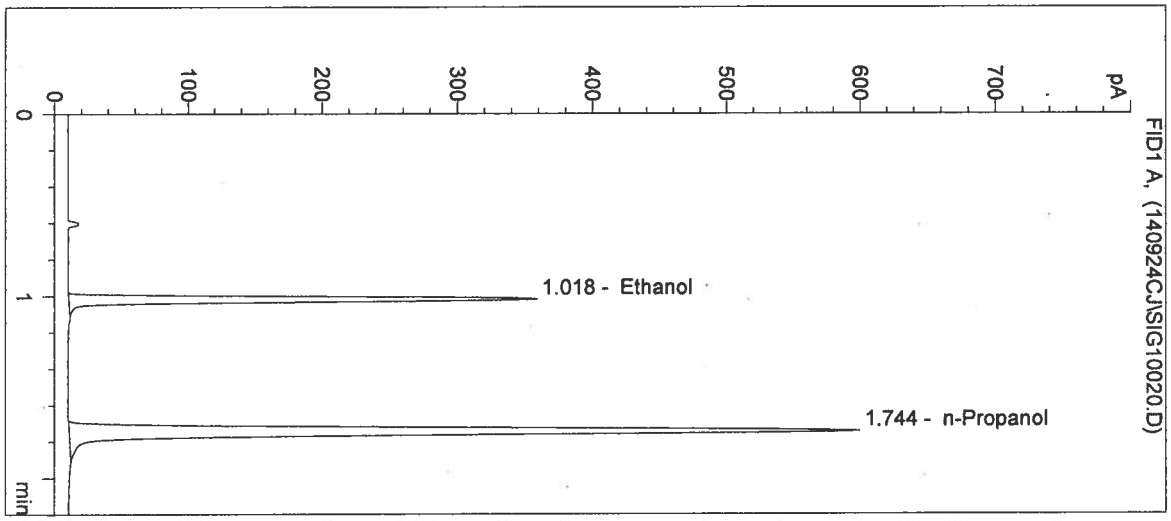
Ethanol 0.099 g/100mL



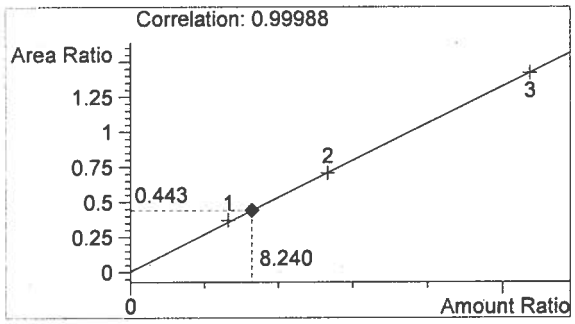
n-Propanol 0.012 g/100mL

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

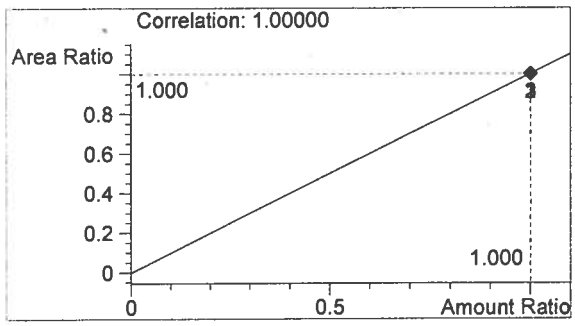
Inj. Date: 9/24/2014 10:09:29 AM Sample Name: 14041-4
Instrument: HSGC#3 Operator: Chris Johnston
Column: DB-ALC2 Location: Vial 20
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	699	1.018
2	n-Propanol	1580	1.744



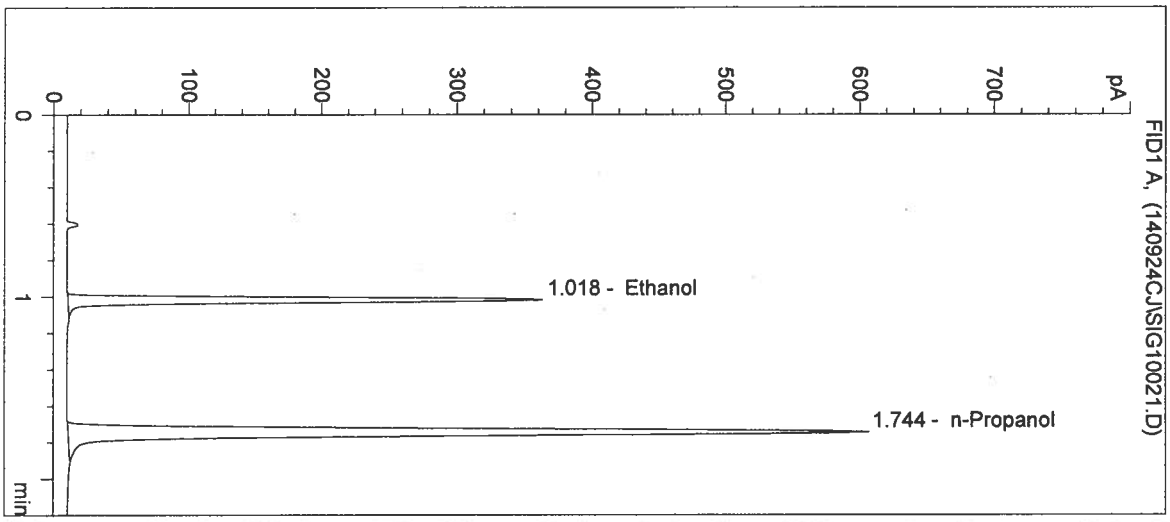
Ethanol 0.099 g/100mL



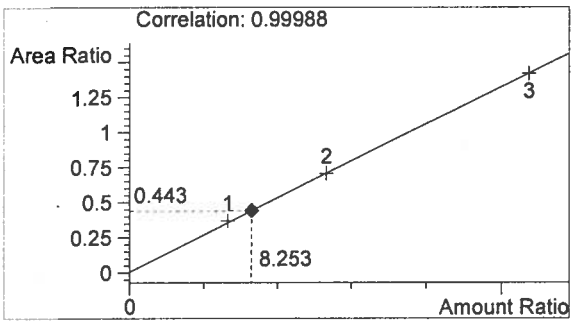
n-Propanol 0.012 g/100mL

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

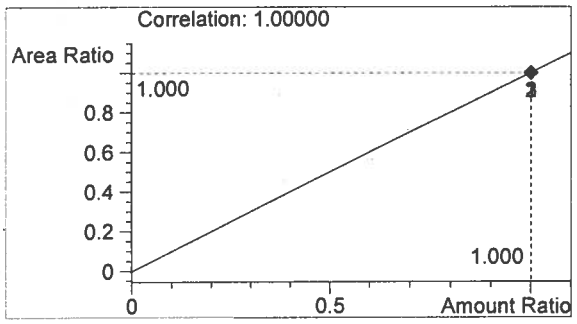
Inj. Date: 9/24/2014 10:12:42 AM Sample Name: 14041-5
Instrument: HSGC#3 Operator: Chris Johnston
Column: DB-ALC2 Location: Vial 21
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	708	1.018
2	n-Propanol	1598	1.744



Ethanol 0.099 g/100mL

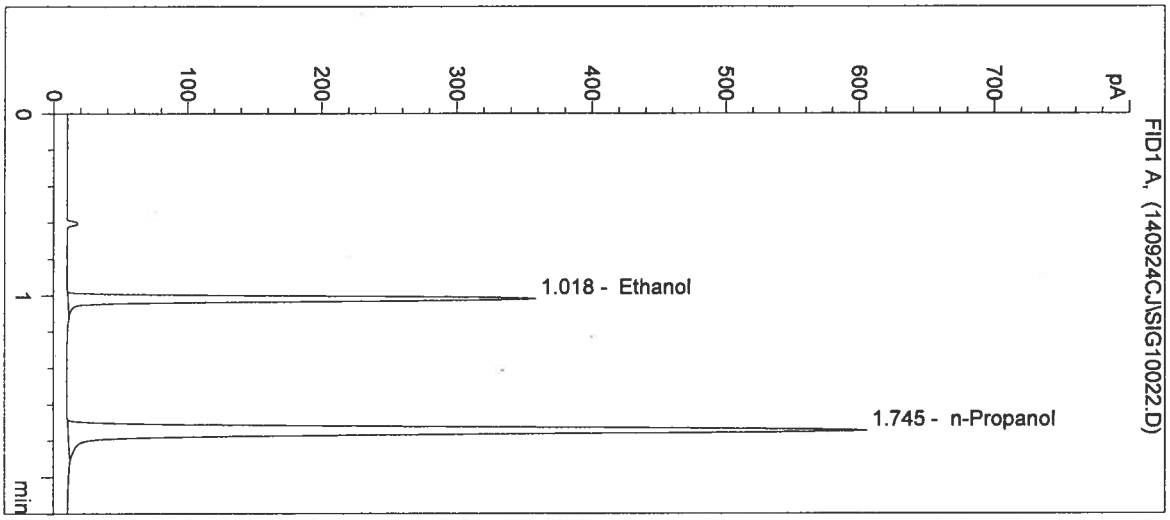


n-Propanol 0.012 g/100mL

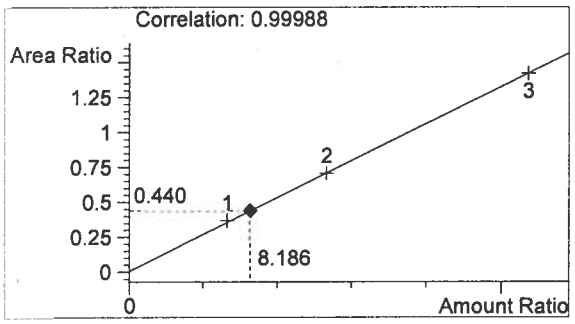
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/24/2014 10:15:56 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

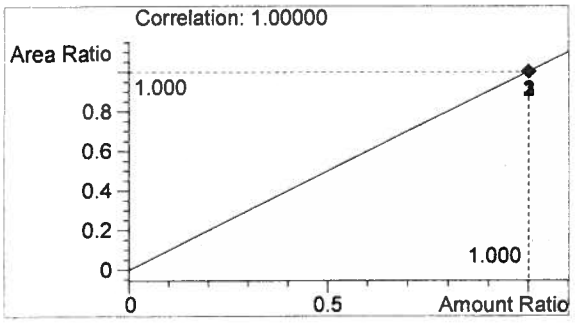
Sample Name: 0.10 Control
Operator: Chris Johnston
Location: Vial 22



#	Compound	Peak Area	RT (min)
1	Ethanol	704	1.018
2	n-Propanol	1600	1.745



Ethanol 0.098 g/100mL



n-Propanol 0.012 g/100mL

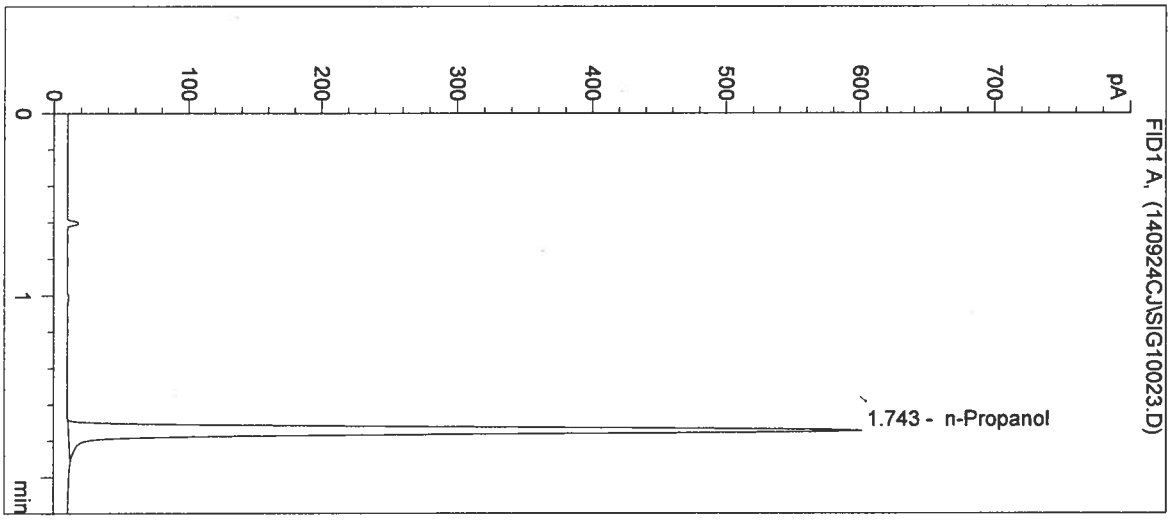
14041
Stamped
10/2/14

Data File: C:\HPCHEM\2\DATA\140924CJ\SIG10022.D

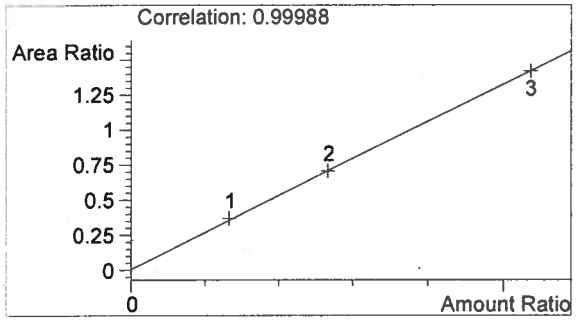
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/24/2014 10:19:09 AM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

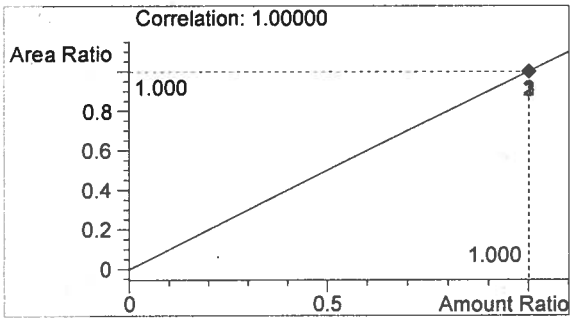
Sample Name: Neg Control
Operator: Chris Johnston
Location: Vial 23



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1585	1.743



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

14041
stamped
10/2/14
10/8/14

Data File: C:\HPCHEM\2\DATA\140924CJ\SIG10023.D

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

Sequence Parameters:

Operator:	Lyndsey Lowe
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:	140925LL
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

14040
14041
14042
14043

Stamped 10/21/14 Initials

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	14040 0.04 #1	SIMALC3	1	Sample		
11	Vial 11	14040 0.04 #2	SIMALC3	1	Sample		
12	Vial 12	14040 0.04 #3	SIMALC3	1	Sample		
13	Vial 13	14040 0.04 #4	SIMALC3	1	Sample		
14	Vial 14	14040 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	14041 0.08 #1	SIMALC3	1	Sample		
18	Vial 18	14041 0.08 #2	SIMALC3	1	Sample		
19	Vial 19	14041 0.08 #3	SIMALC3	1	Sample		
20	Vial 20	14041 0.08 #4	SIMALC3	1	Sample		
21	Vial 21	14041 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	14042 0.15 #1	SIMALC3	1	Sample		
25	Vial 25	14042 0.15 #2	SIMALC3	1	Sample		
26	Vial 26	14042 0.15 #3	SIMALC3	1	Sample		

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

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
27	Vial 27	14042 0.15 #4	SIMALC3	1	Sample		
28	Vial 28	14042 0.15 #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	14043 0.20 #1	SIMALC3	1	Sample		
32	Vial 32	14043 0.20 #2	SIMALC3	1	Sample		
33	Vial 33	14043 0.20 #3	SIMALC3	1	Sample		
34	Vial 34	14043 0.20 #4	SIMALC3	1	Sample		
35	Vial 35	14043 0.20 #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!

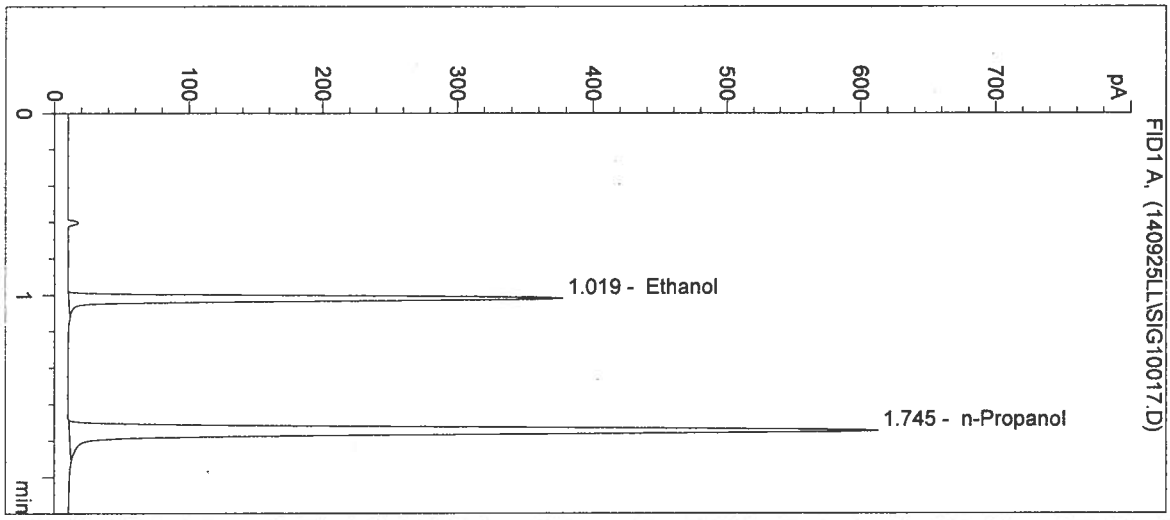
14040
14041
14042
14043

Stamped
10/2/14
10/5/14

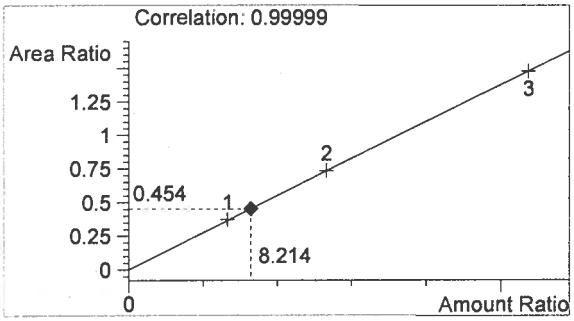
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/25/2014 4:08:07 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

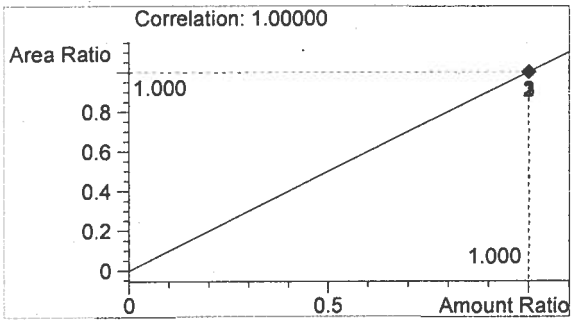
Sample Name: 14041 0.08 #1
Operator: Lyndsey Lowe
Location: Vial 17



#	Compound	Peak Area	RT (min)
1	Ethanol	731	1.019
2	n-Propanol	1609	1.745



Ethanol 0.099 g/100mL

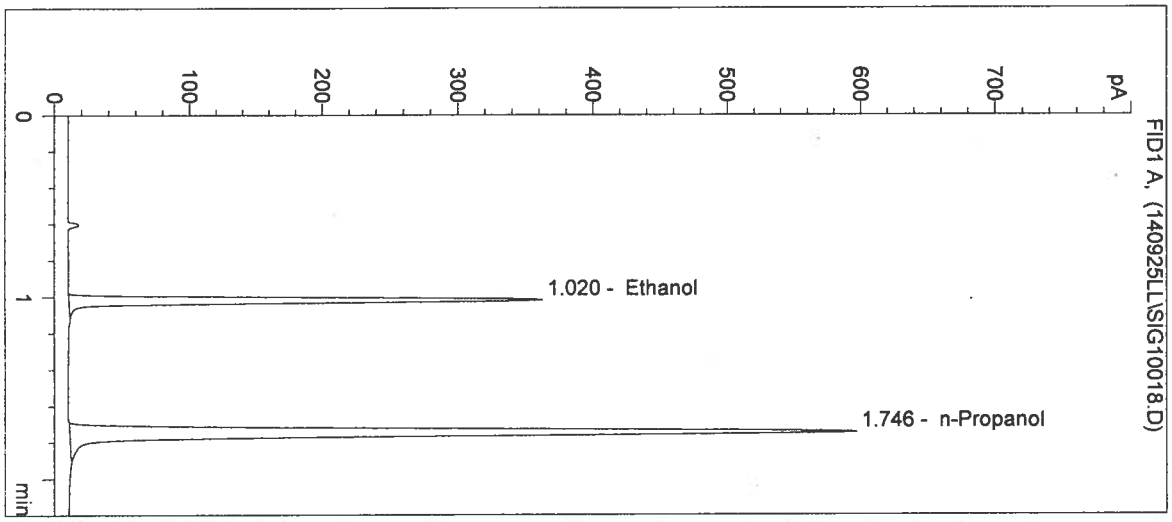


n-Propanol 0.012 g/100mL

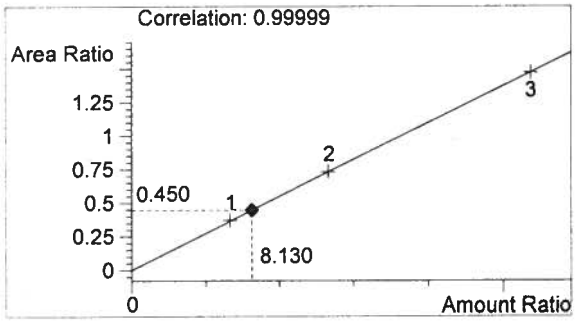
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/25/2014 4:11:21 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

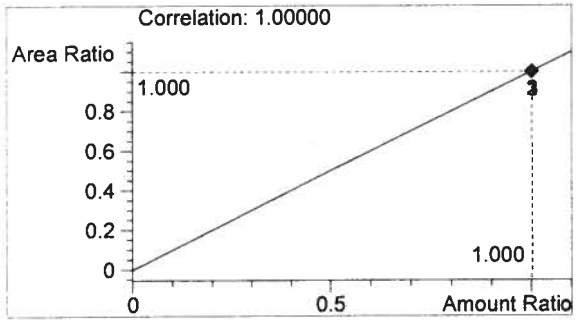
Sample Name: 14041 0.08 #2
Operator: Lyndsey Lowe
Location: Vial 18



#	Compound	Peak Area	RT (min)
1	Ethanol	706	1.020
2	n-Propanol	1569	1.746



Ethanol 0.098 g/100mL

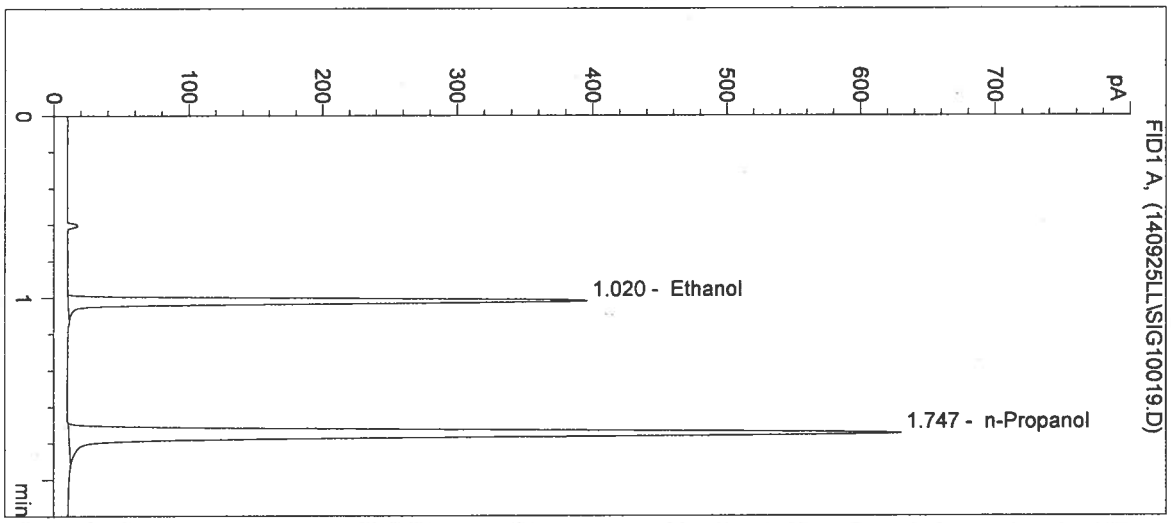


n-Propanol 0.012 g/100mL

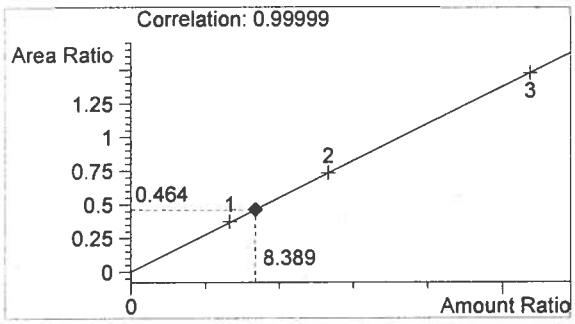
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/25/2014 4:14:34 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

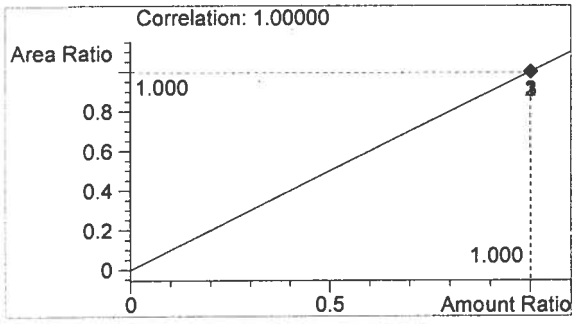
Sample Name: 14041 0.08 #3
Operator: Lyndsey Lowe
Location: Vial 19



#	Compound	Peak Area	RT (min)
1	Ethanol	770	1.020
2	n-Propanol	1659	1.747



Ethanol 0.101 g/100mL

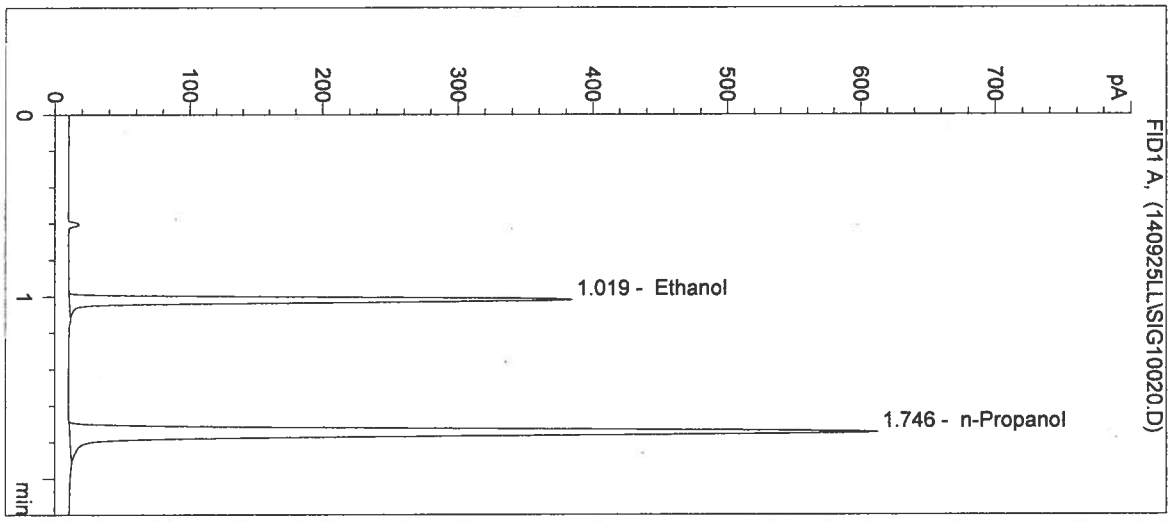


n-Propanol 0.012 g/100mL

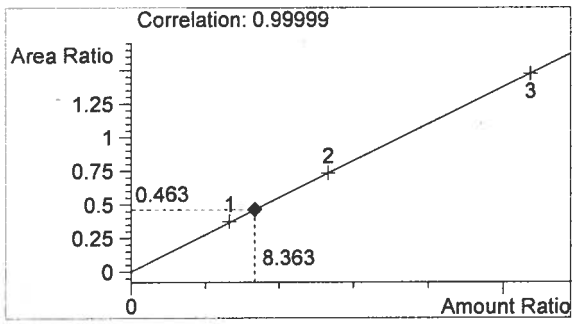
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/25/2014 4:17:48 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

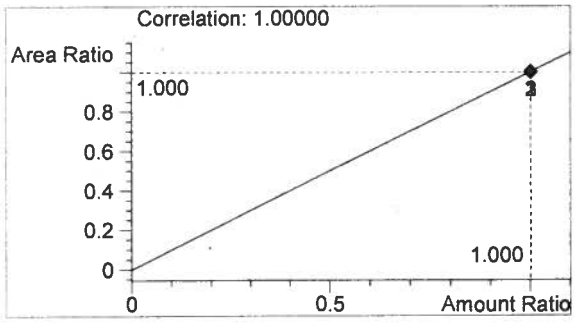
Sample Name: 14041 0.08 #4
Operator: Lyndsey Lowe
Location: Vial 20



#	Compound	Peak Area	RT (min)
1	Ethanol	746	1.019
2	n-Propanol	1612	1.746



Ethanol 0.100 g/100mL

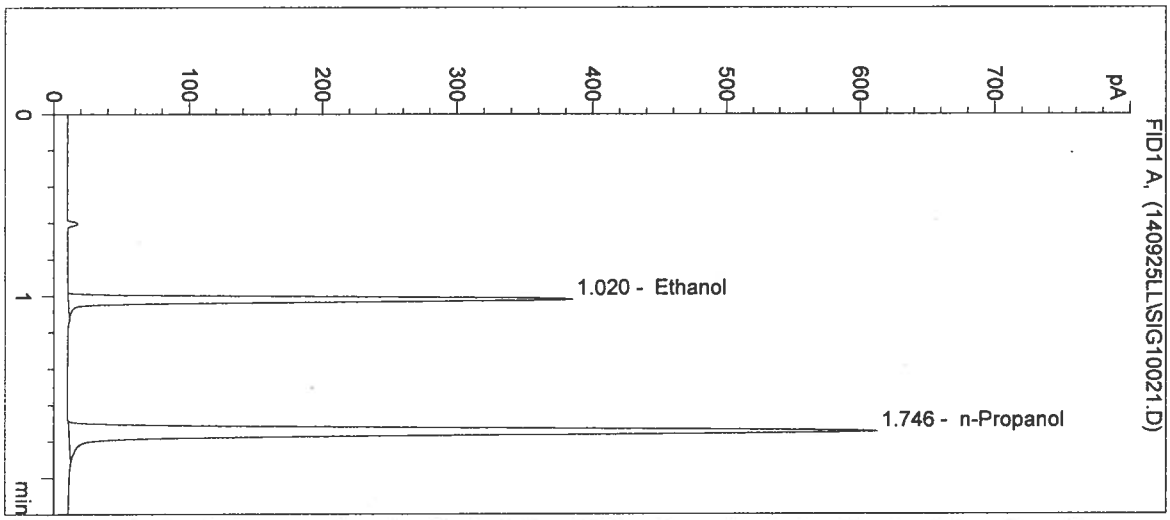


n-Propanol 0.012 g/100mL

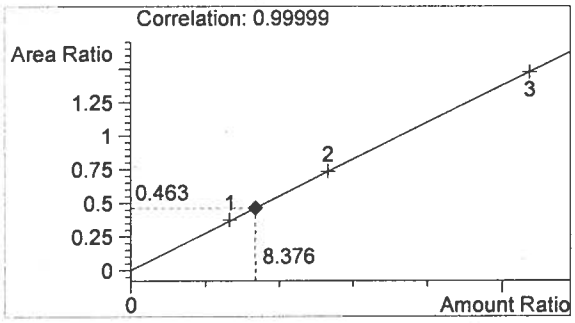
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/25/2014 4:21:01 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

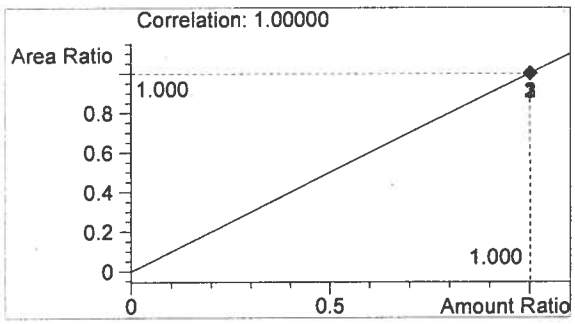
Sample Name: 14041 0.08 #5
Operator: Lyndsey Lowe
Location: Vial 21



#	Compound	Peak Area	RT (min)
1	Ethanol	746	1.020
2	n-Propanol	1610	1.746



Ethanol 0.101 g/100mL

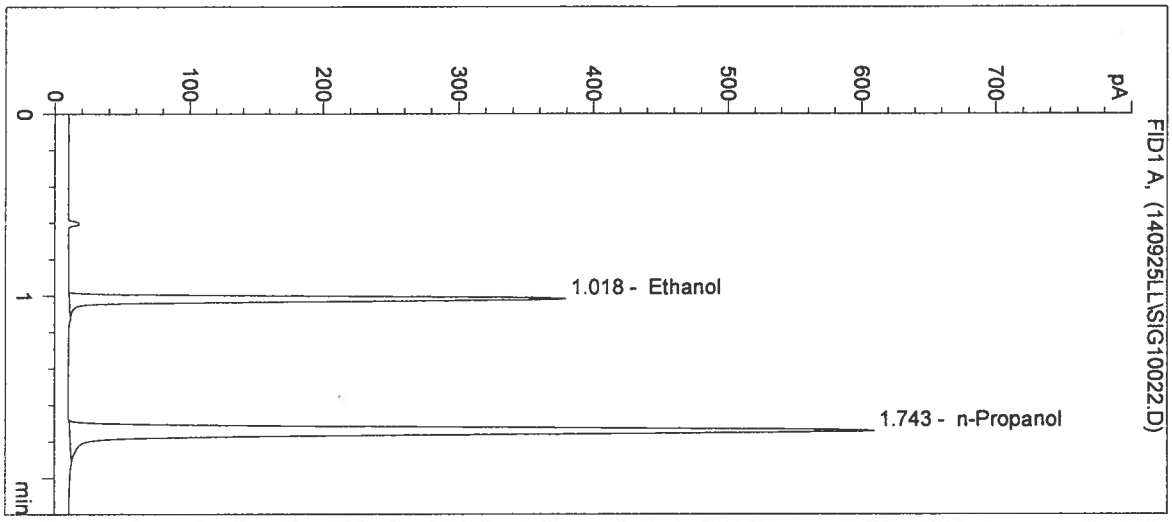


n-Propanol 0.012 g/100mL

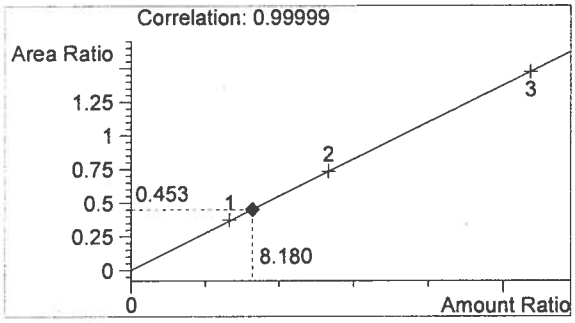
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/25/2014 4:24:15 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

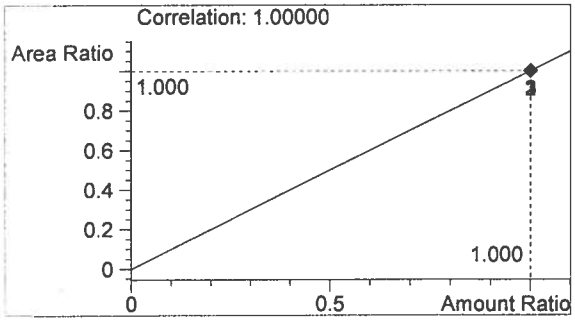
Sample Name: 0.10 Control
Operator: Lyndsey Lowe
Location: Vial 22



#	Compound	Peak Area	RT (min)
1	Ethanol	725	1.018
2	n-Propanol	1603	1.743



Ethanol 0.098 g/100mL



n-Propanol 0.012 g/100mL

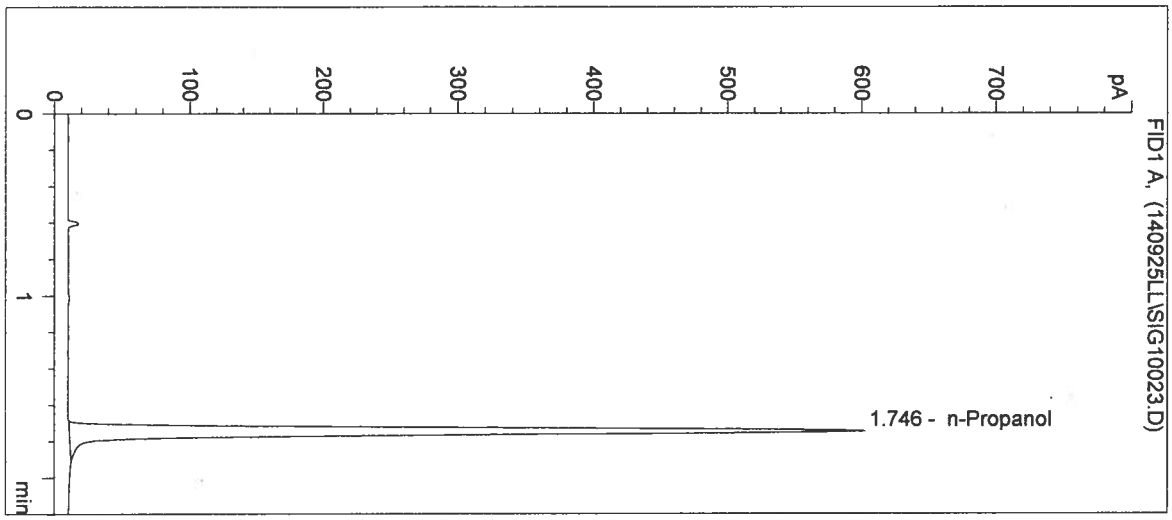
14041
Stamped
10/2/14
10/8/14

Data File: C:\HPCHEM\2\DATA\140925LL\SIG10022.D

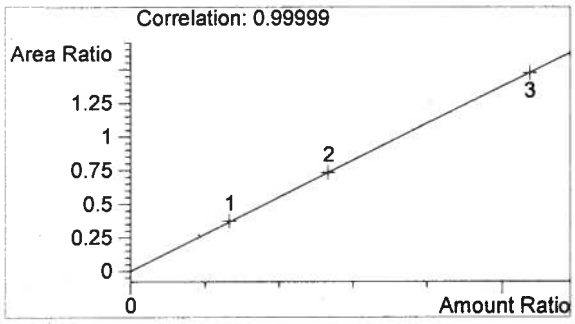
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 9/25/2014 4:27:28 PM
Instrument: HSGC#3
Column: DB-ALC2
Method: C:\HPCHEM\2\METHODS\SIMALC3.M
Sample Info:

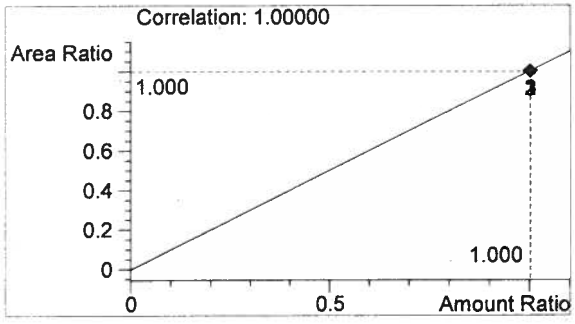
Sample Name: Neg Control
Operator: Lyndsey Lowe
Location: Vial 23



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	1586	1.746



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

14041
stamped
10/2/14
10/8/14

Data File: C:\HPCHEM\2\DATA\140925LL\SIG10023.D