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

An ASCLD/LAB-International ACCREDITED LABORATORY
SBICE 11/16/2009

QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 13032

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: 06/28/2013
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Katie Knorr

	KK	AC	LL
1	0.049	0.050	0.049
2	0.050	0.050	0.049
3	0.049	0.050	0.049
4	0.050	0.050	0.049
5	0.049	0.050	0.049
C	0.102	0.101	0.099

ETHANOL CONTROL INFORMATION
LOT NUMBER: A090924 EXPIRATION: 01/2017 CONCENTRATION: 0.10 g/100mL

RESULTS OF TESTING
AVERAGE SOLUTION CONCENTRATION: 0.0495 g/100mL
STANDARD DEVIATION: 0.00052
PRECISION CV (%): 1.04
NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.0402 g/210L**
COMBINED STANDARD UNCERTAINTY: ± 0.0006 (k=1, 68% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

Melissa Pemberton FS-5
Melissa L. Pemberton Forensic Scientist Supervisor

7.30.2013
DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
KK	Katie Knorr	Katie Knorr	06/28/2013
AC	Amanda Chandler	Amanda Chandler	07/01/2013
LL	Lyndsey Lowe	Lyndsey Lowe	07/02/2013

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 #: 13032 **Date Prepared:** 6/28/2013

Analyst:	KK	AC	LL
Date Tested:	6/28/2013	7/1/2013	7/2/2013
Instrument:	HS#1	HS#1	HS#1
1	0.049	0.050	0.049
2	0.050	0.050	0.049
3	0.049	0.050	0.049
4	0.050	0.050	0.049
5	0.049	0.050	0.049
C	0.102	0.101	0.099

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000072653	0.0000767510	0.0001016326

Ethanol Control Lot #: A090924
Control Uncertainty (%): 0.29

Average Solution Concentration: 0.0495 g/100mL
Standard Deviation: 0.00052 g/100mL
Precision CV (%): 1.04
Equivalent Vapor Concentration: 0.0402 g/210L
Combined Standard Uncertainty (±): 0.0006 g/210L

Calculations performed by: Melissa L. Pemberton 7.11.13
Name Signature Date

Calculations verified by: Amanda M. Black 7-30-2013 Method: Hand calculation
Name Signature Date

Tech. review performed by: Melissa L. Pemberton 7.22.13
Name Signature Date

Washington State Patrol Toxicology Laboratory Division

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda M. Black **Date:** 7-30-2013

Location: WSP-FLSB Seattle, WA **Solution Batch Number:** 13032

	YES	NO	N/A
Analysis dates do not precede preparation date:	✓		
Declarations signed and properly dated:	✓		
Data entry corresponds to all chromatograms:	✓		
All signatures present on Test Report:	✓		
Average solution concentration correct:	✓		
Standard deviation correct:	✓		
CV (%) correct:	✓		
Equivalent vapor concentration correct:	✓		
All chromatograms and sequences included in file:	✓		
Ethanol control information present: (lot # present & used within expiration)	✓		
Complies with accuracy and precision requirements established by the State Toxicologist:	✓		

Comments:

Reviewer Signature: [signature] **Date:** 7-30-2013

Reviewer Signature: N/A AB 7-30-13 **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	AC	7-16-13
Asa Louis		
Brittany Ball		
Christie Mitchell-Mata		
Christopher Johnston		
Justin Knoy		
Katie Knorr	KK	7/15/13
Lisa Noble		
Lyndsey Lowe	LL	7/16/13
Naziha Nuwayhid		
Rebecca Flaherty		
Sarah Swenson		

Batch # 13032

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

DATAMASTER 0.04 QAP SOLUTION CERTIFICATION FOR LOT 13032

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

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the alcohol solutions for the DataMaster breath test instrument.

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

The qap solution, Lot Number 13032, was prepared in the Washington State Toxicology Laboratory on 6/28/2013. I examined and tested this solution. 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 6/28/2014.

Seattle, WA

Katie Knorr 7/15/13

Katie Knorr Date

Forensic Toxicologist

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

DATAMASTER 0.04 QAP SOLUTION CERTIFICATION FOR LOT 13032

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

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the alcohol solutions for the DataMaster breath test instrument.

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

The qap solution, Lot Number 13032, was prepared in the Washington State Toxicology Laboratory on 6/28/2013. I examined and tested this solution. 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 6/28/2014.

Seattle, WA

Amanda Chandler 7-16-13

Amanda Chandler Date
Forensic Toxicologist

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

DATAMASTER 0.04 QAP SOLUTION CERTIFICATION FOR LOT 13032

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

I am employed by the Washington State Toxicology Laboratory, and a part of my responsibilities includes preparing and testing the alcohol solutions for the DataMaster breath test instrument.

I possess the following qualifications: BS degree in Chemistry.

The qap solution, Lot Number 13032, was prepared in the Washington State Toxicology Laboratory on 6/28/2013. I examined and tested this solution. 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 6/28/2014.

Seattle, WA

Lyndsey Lowe 7/14/13

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: 6/28/13 Initials of Preparer: KK

Expiration Date: 6/28/14

Lot # of 200-proof Ethanol used in preparation: 2BH0289

Date the 200-proof Ethanol bottle was opened: 6/18/13

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	☑	13032
QAP 0.08	22.4	18	☐	
QAP 0.10	28.1	18	☑	13033
QAP 0.15	42.0	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 ☑ 6/28/13 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: 13033 Did Not Meet Acceptance Criteria, and was discarded.

Katie Knox
Analyst Signature

6/28/13
Date

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\1\DATA\
Data Subdirectory:	130628K2
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
CAL 1 0.079 g/100 mL - Lot#E0213-01 -exp 8/20/13
CAL 2 0.158 g/100 mL - Lot#E0213-02 -exp 8/20/13
CAL 3 0.316 g/100 mL - Lot#E0213-03 -exp 8/20/13
0.04 g/100mL control 1 - Lot#A088613 - exp 09/2016
0.10 g/100mL control 2 - Lot#A090924 - exp 01/2017
0.20 g/100mL control 3 - Lot#A093219 - exp 05/2017
Internal Standard Lot#P0513 - exp 08/02/13

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	CAL 1 (0.079)	SIMALC1	1	Calib		
3	Vial 3	CAL 2 (0.158)	SIMALC1	1	Calib		
4	Vial 4	CAL 3 (0.316)	SIMALC1	1	Calib		
5	Vial 5	NEG CTRL	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL	SIMALC1	1	Ctrl Samp		
10	Vial 10	13032-01	SIMALC1	1	Sample		
11	Vial 11	13032-02	SIMALC1	1	Sample		
12	Vial 12	13032-03	SIMALC1	1	Sample		
13	Vial 13	13032-04	SIMALC1	1	Sample		
14	Vial 14	13032-05	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL	SIMALC1	1	Ctrl Samp		
17	Vial 17	13033-01	SIMALC1	1	Sample		
18	Vial 18	13033-02	SIMALC1	1	Sample		
19	Vial 19	13033-03	SIMALC1	1	Sample		
20	Vial 20	13033-04	SIMALC1	1	Sample		
21	Vial 21	13033-05	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		

13032
13033

KK 6/28/13
130628K2
~~130628KK~~
KK

Calibration Part:

Sequence: C:\HPCHEM\1\SEQUENCE\KKQAP3.S

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

Sequence Table (Back Injector):

No entries - empty table!

13032

13033

KK 6/28/13
130628K2
~~130628KK~~
KK

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

Calibration Table

Calib. Data Modified : Friday, June 28, 2013 10:53:27 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

Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.042	1	1	7.93800e-2	880.98389	9.01038e-5	1		Ethanol
		2	1.59660e-1	1753.59595	9.10472e-5			
		3	3.19080e-1	3314.83545	9.62582e-5			
1.707	1	1	1.20000e-2	2454.13086	4.88971e-6	I1		n-Propanol
		2	1.20000e-2	2451.22485	4.89551e-6			
		3	1.20000e-2	2374.74854	5.05317e-6			

Peak Sum Table

No Entries in table

13032
13033

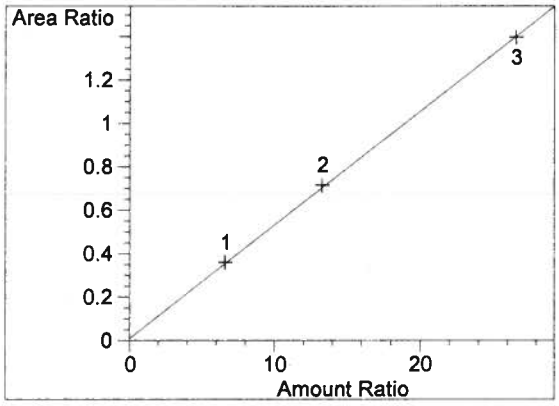
KK
~~130628KK~~
130628KZ
KK 6/28/

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

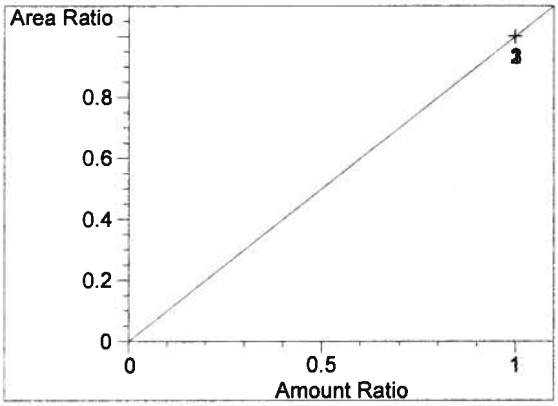
==========

Calibration Curves

==========



Ethanol at exp. RT: 1.042
FID1 A,
Correlation: 0.99990
Residual Std. Dev.: 0.01040
Formula: y = mx + b
m: 5.24176e-2
b: 8.07524e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.707
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

==========

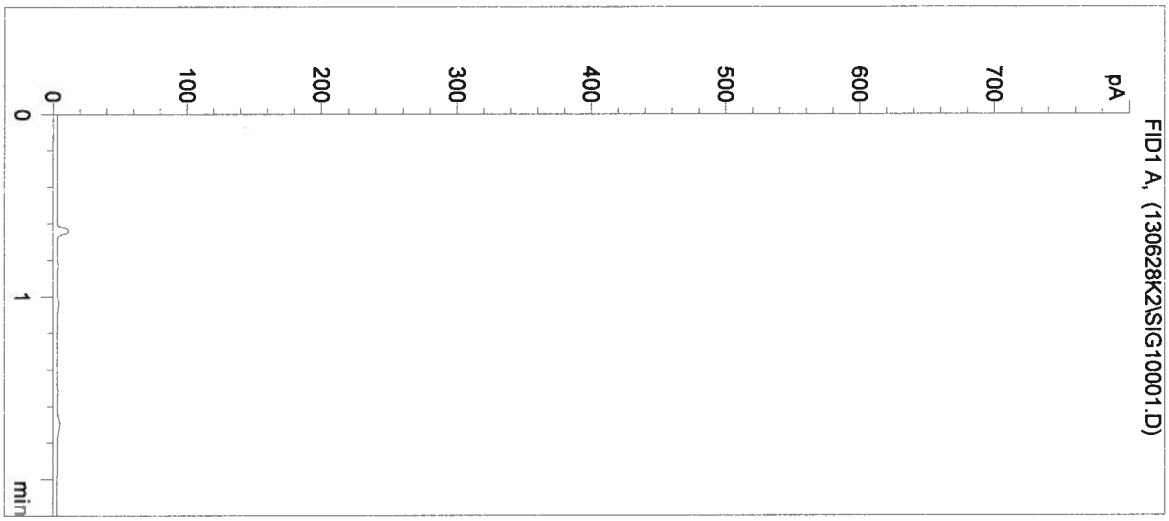
13032
13033

KK
~~130628KK~~
130628K2
KK 6/28/13

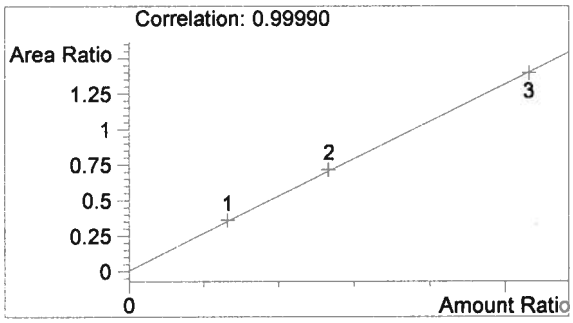
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2013 10:42:00 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

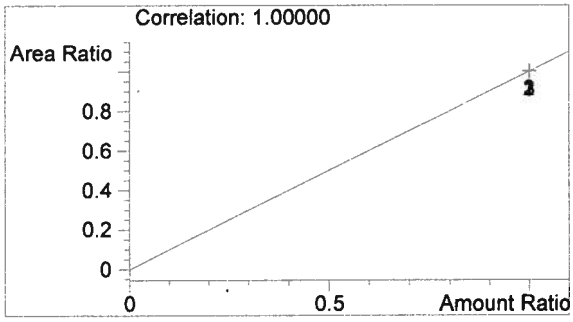
Sample Name: BLANK
Operator: Katie Knorr
Location: Vial 1



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



Ethanol 0.000 g/100mL



n-Propanol 0.000 g/100mL

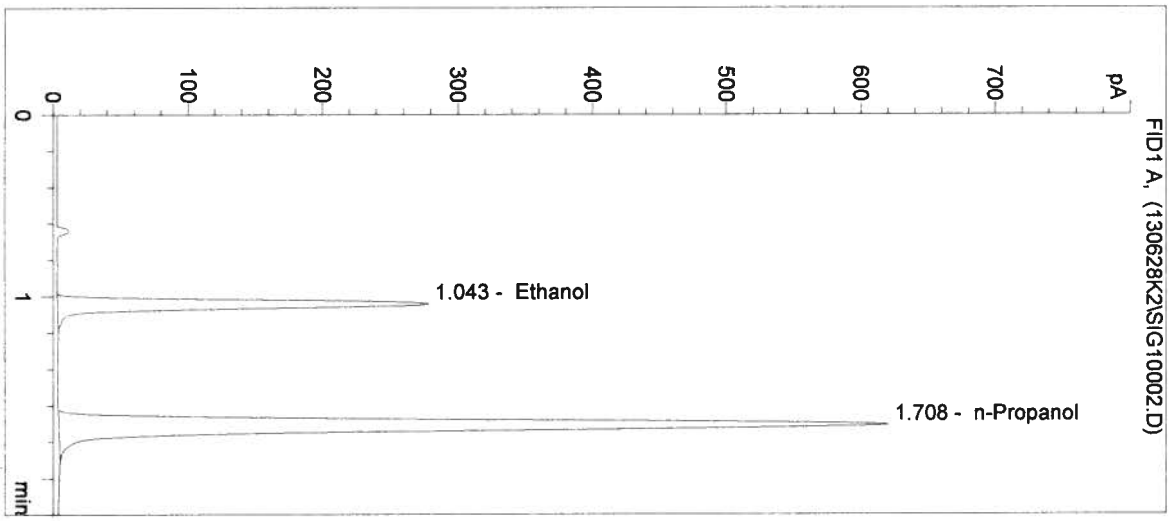
13032
13033

KK

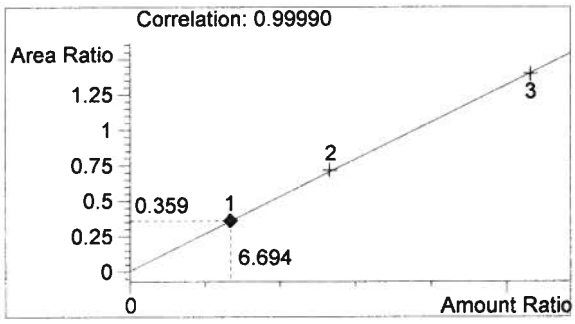
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2013 10:45:05 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

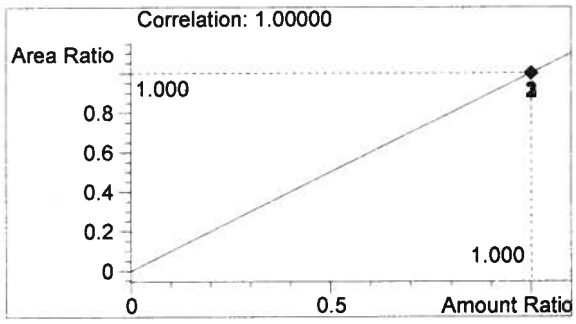
Sample Name: CAL 1 (0.079)
Operator: Katie Knorr
Location: Vial 2



#	Compound	Peak Area	RT (min)
1	Ethanol	881	1.043
2	n-Propanol	2454	1.708



Ethanol 0.080 g/100mL



n-Propanol 0.012 g/100mL

13033

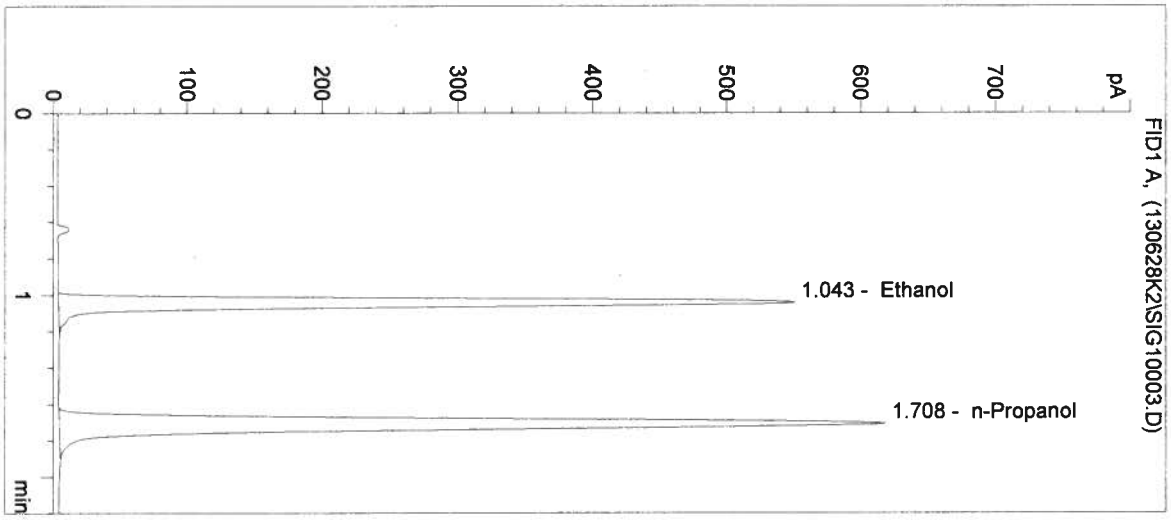
Data File: C:\HPCHEM\1\DATA\130628K2\SIG10002.D

KK

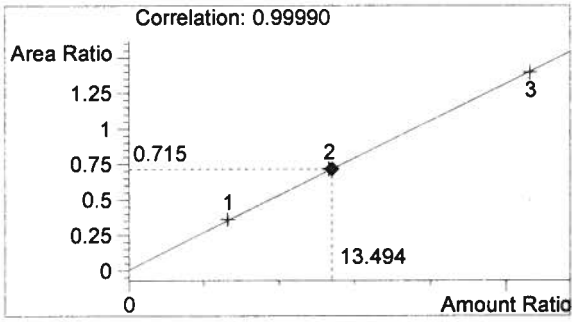
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2013 10:48:10 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

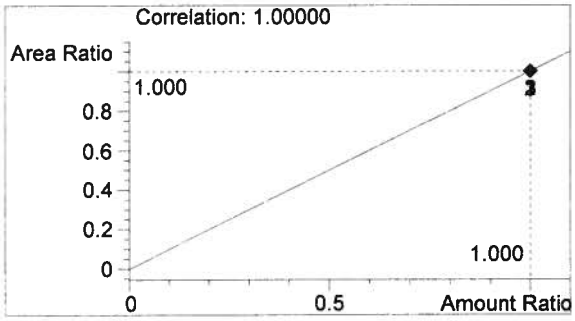
Sample Name: CAL 2 (0.158)
Operator: Katie Knorr
Location: Vial 3



#	Compound	Peak Area	RT (min)
1	Ethanol	1754	1.043
2	n-Propanol	2451	1.708



Ethanol 0.162 g/100mL



n-Propanol 0.012 g/100mL

13032
13033

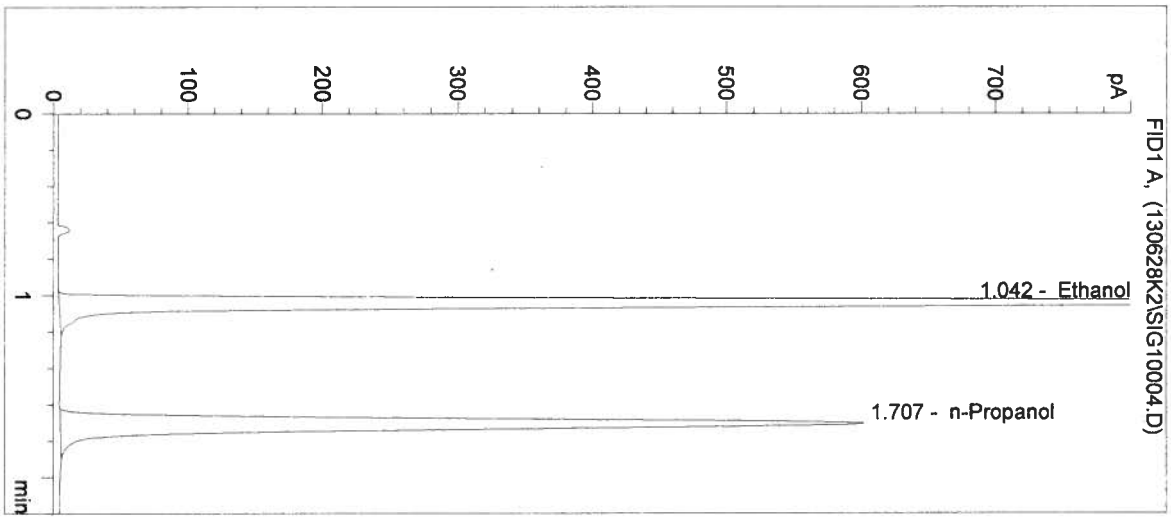
Data File: C:\HPCHEM\1\DATA\130628K2\SIG10003.D

KK

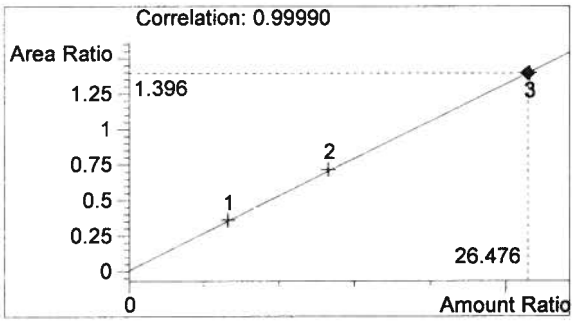
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2013 10:51:14 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

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

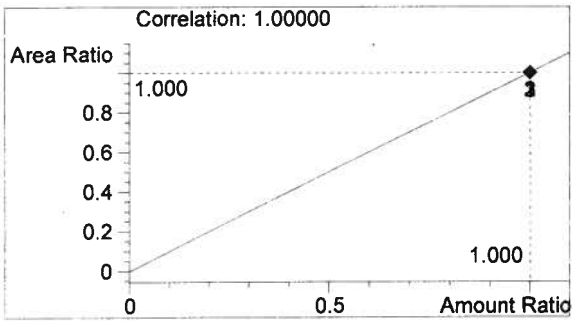


#	Compound	Peak Area	RT (min)
1	Ethanol	3315	1.042
2	n-Propanol	2375	1.707



Ethanol 0.318 g/100mL

13032
13033



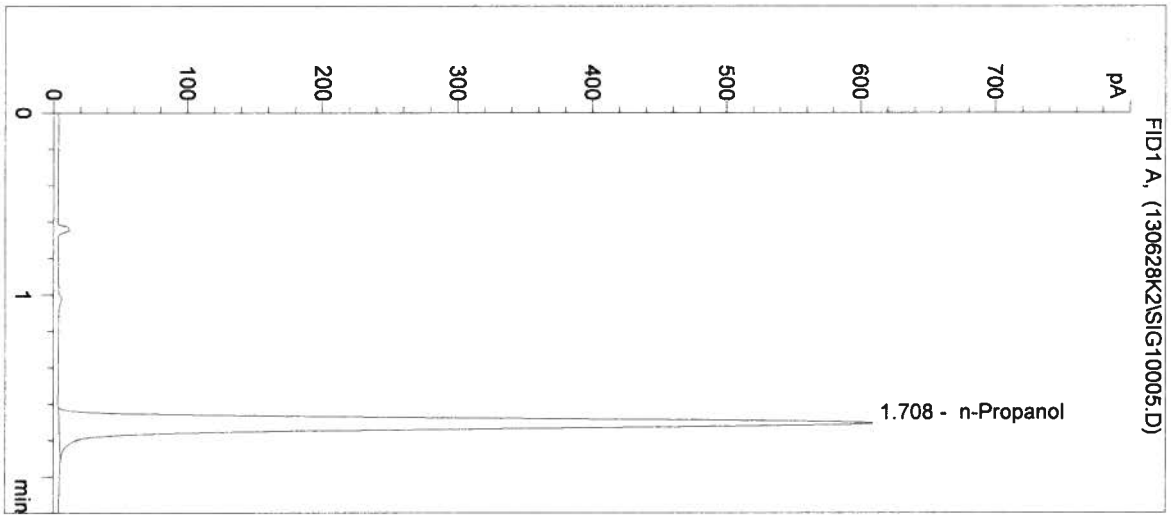
n-Propanol 0.012 g/100mL

KK

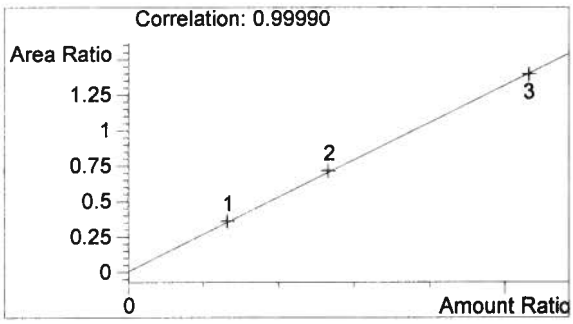
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2013 10:54:19 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

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

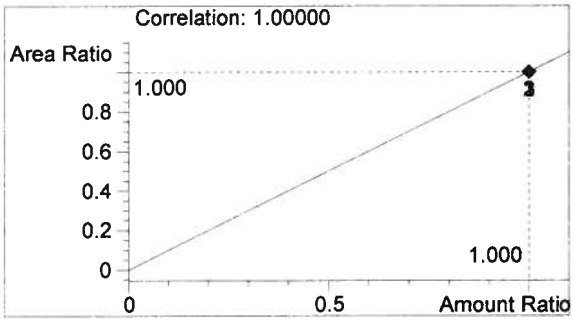


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2413	1.708



Ethanol 0.000 g/100mL

13032
13033



n-Propanol 0.012 g/100mL

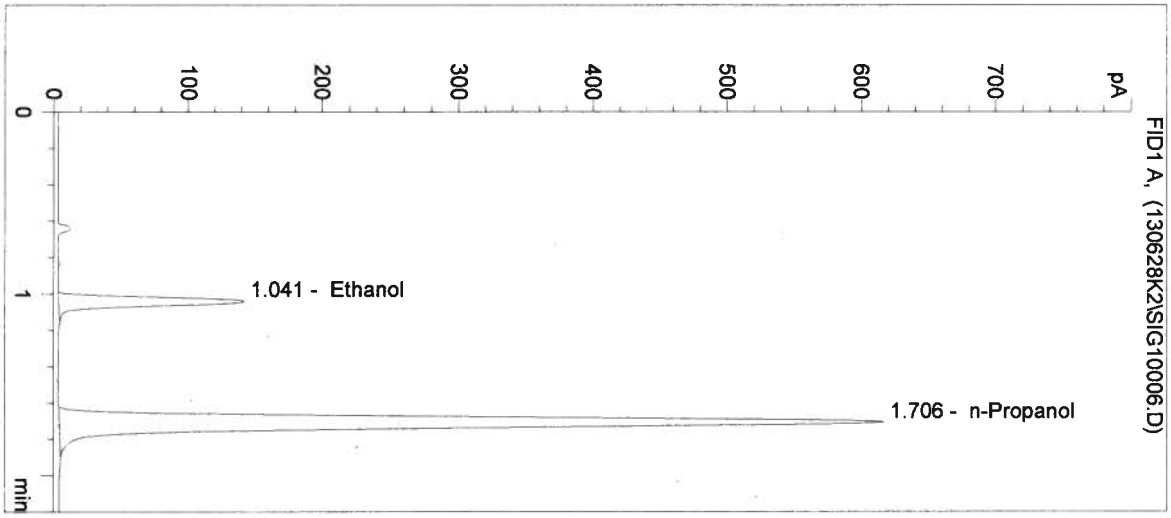
Data File: C:\HPCHEM\1\DATA\130628K2\SIG10005.D

KK

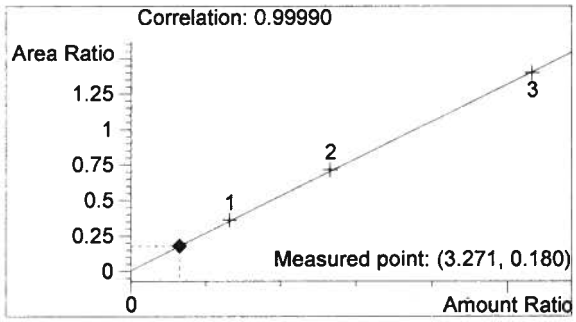
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2013 10:57:24 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

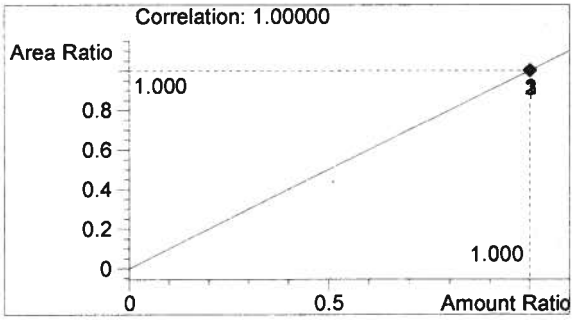
Sample Name: 0.04 CTRL
Operator: Katie Knorr
Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	441	1.041
2	n-Propanol	2454	1.706



Ethanol 0.039 g/100mL



n-Propanol 0.012 g/100mL

13032
13033

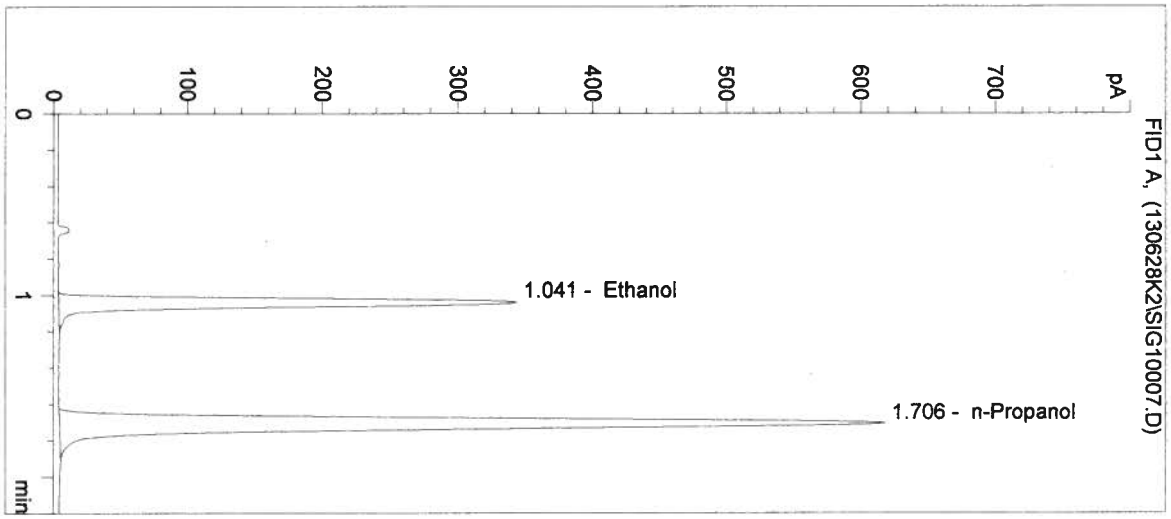
Data File: C:\HPCHEM\1\DATA\130628K2\SIG10006.D

KK

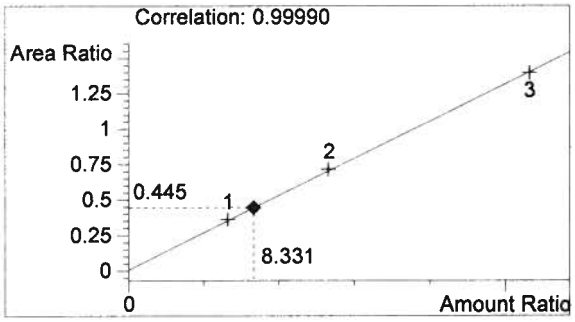
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2013 11:00:29 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

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

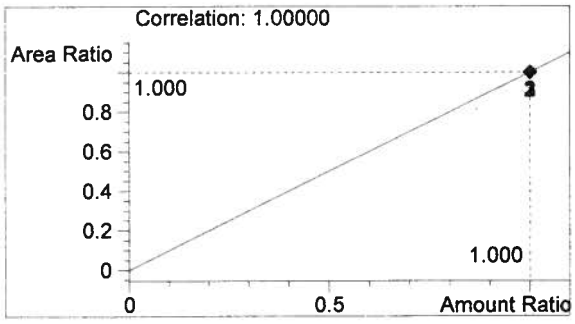


#	Compound	Peak Area	RT (min)
1	Ethanol	1093	1.041
2	n-Propanol	2458	1.706



Ethanol 0.100 g/100mL

13032
13033



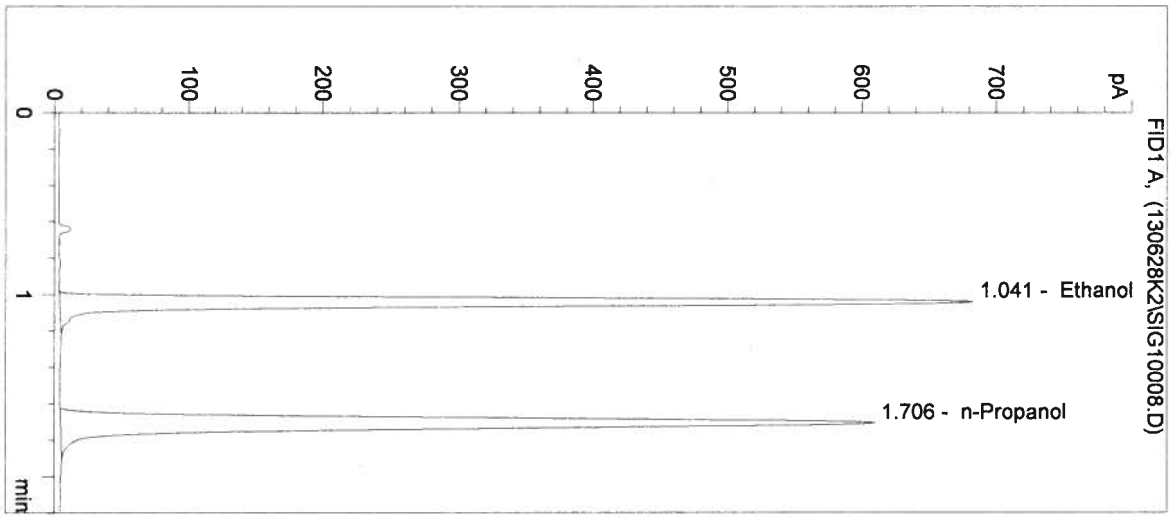
n-Propanol 0.012 g/100mL

KK

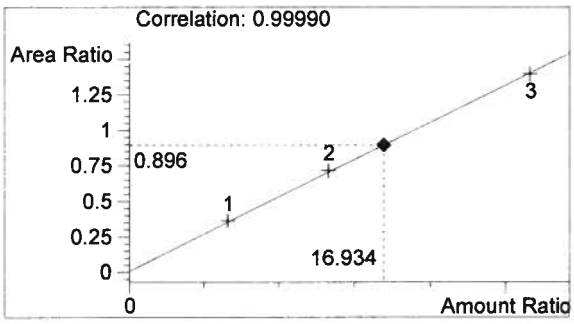
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2013 11:03:34 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

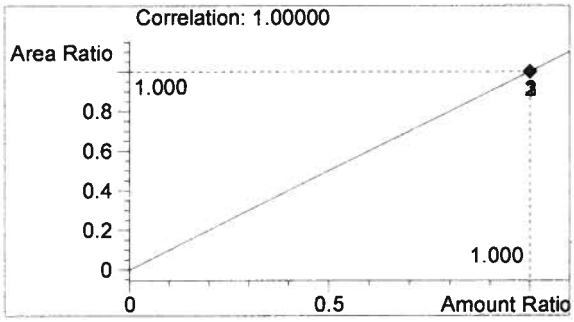
Sample Name: 0.20 CTRL
Operator: Katie Knorr
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	2165	1.041
2	n-Propanol	2417	1.706



Ethanol 0.203 g/100mL



n-Propanol 0.012 g/100mL

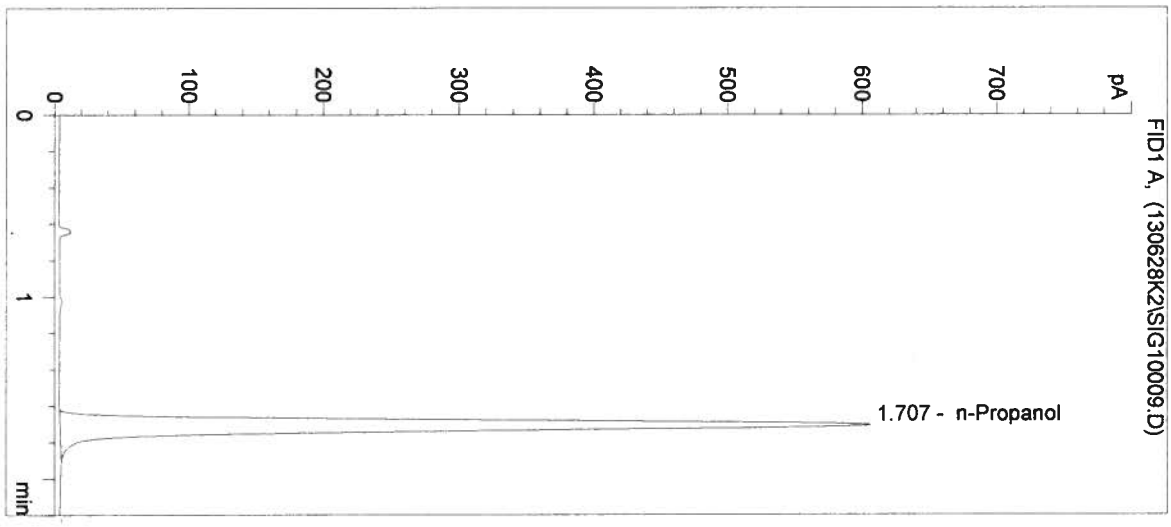
13032
13033

KK

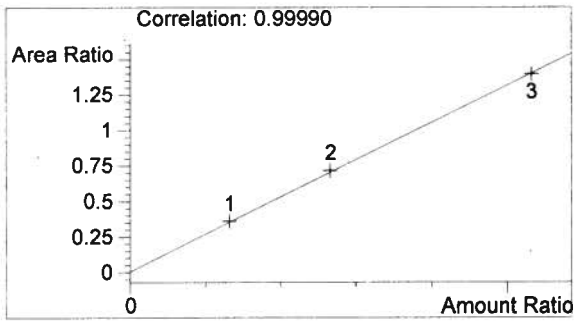
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2013 11:06:39 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

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

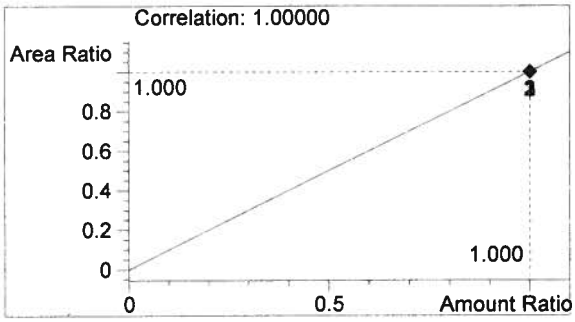


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2400	1.707



Ethanol 0.000 g/100mL

13032
13033

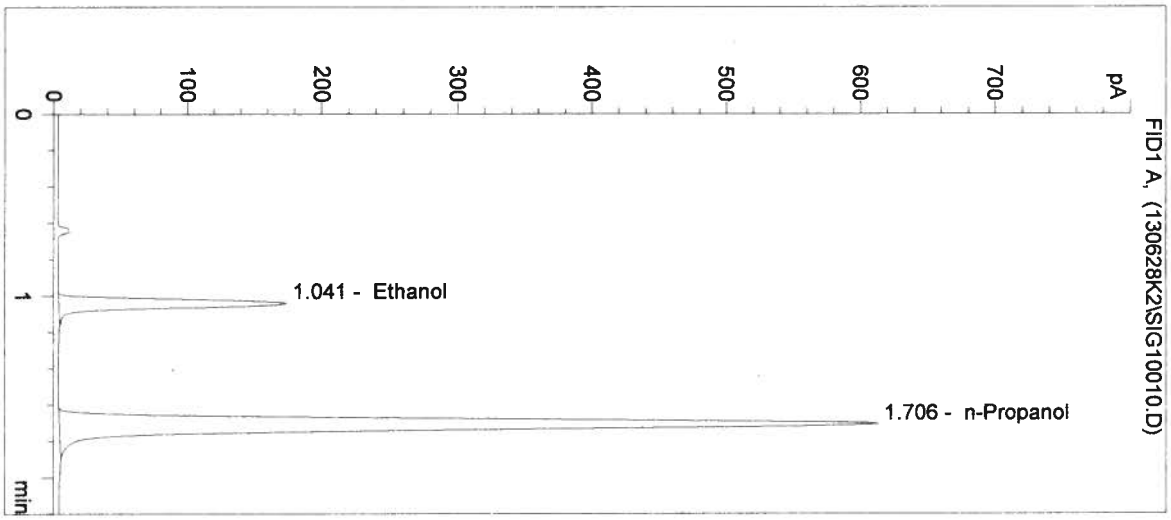


n-Propanol 0.012 g/100mL

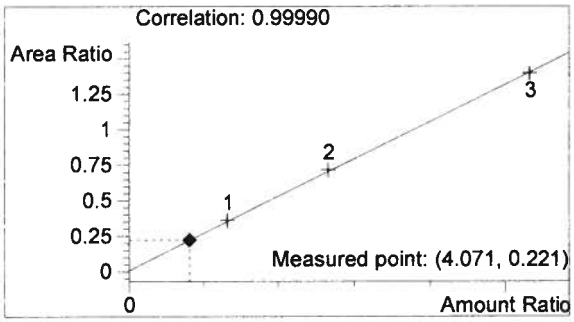
KK

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

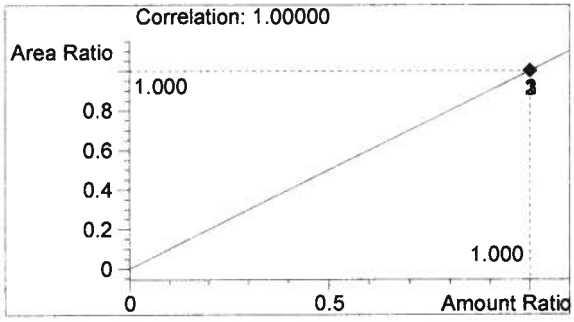
Inj. Date: 6/28/2013 11:09:43 AM
Sample Name: 13032-01
Instrument: HSGC#1
Operator: Katie Knorr
Column: DB-ALC1
Location: Vial 10
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	538	1.041
2	n-Propanol	2429	1.706



Ethanol 0.049 g/100mL



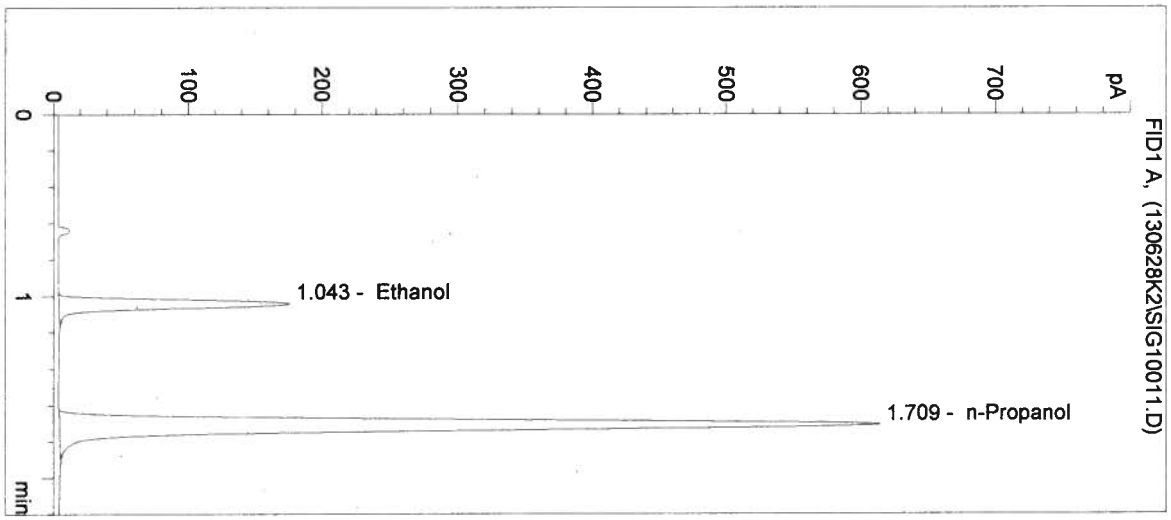
n-Propanol 0.012 g/100mL

KK

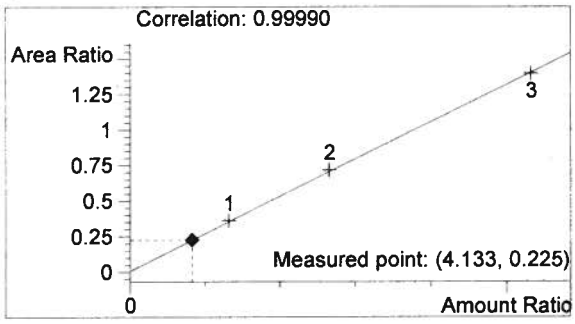
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2013 11:12:48 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

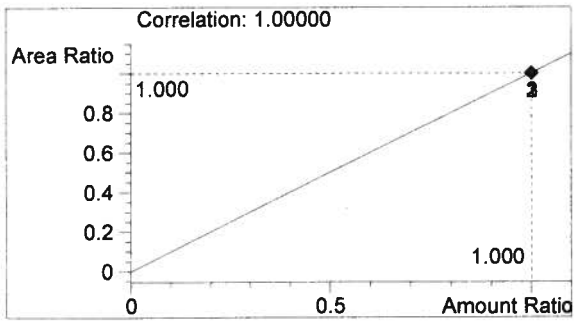
Sample Name: 13032-02
Operator: Katie Knorr
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	549	1.043
2	n-Propanol	2442	1.709



Ethanol 0.050 g/100mL



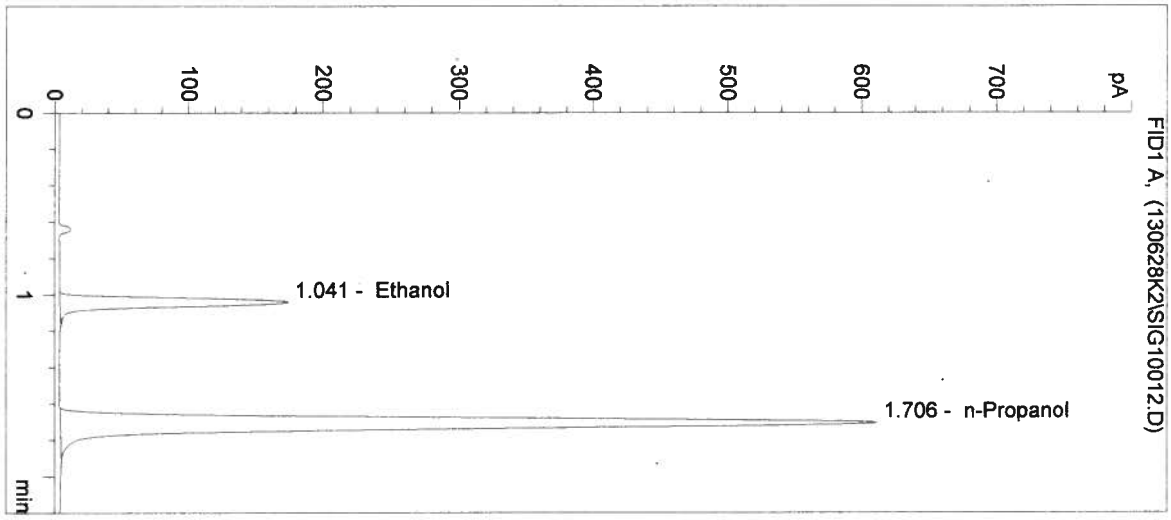
n-Propanol 0.012 g/100mL

KK

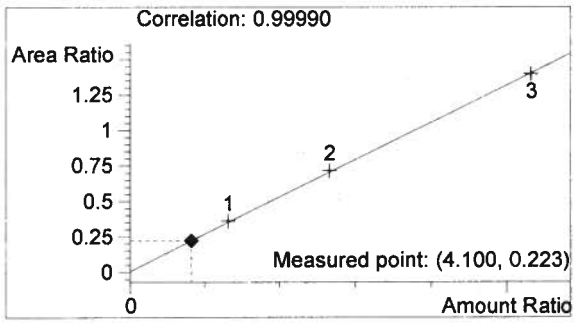
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2013 11:15:53 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

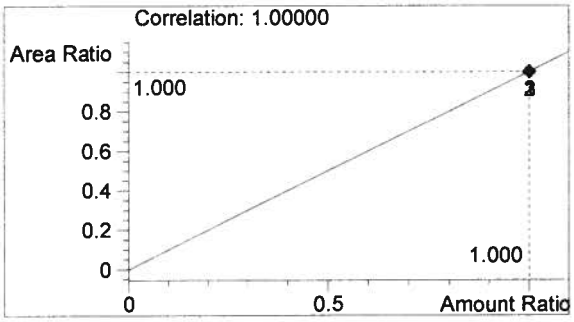
Sample Name: 13032-03
Operator: Katie Knorr
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	540	1.041
2	n-Propanol	2424	1.706



Ethanol 0.049 g/100mL



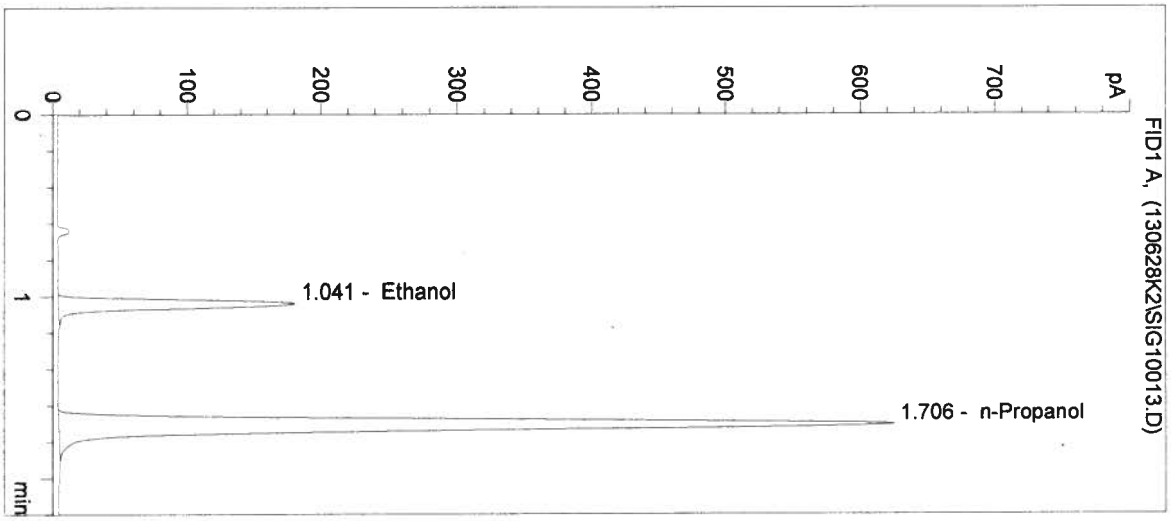
n-Propanol 0.012 g/100mL

KK

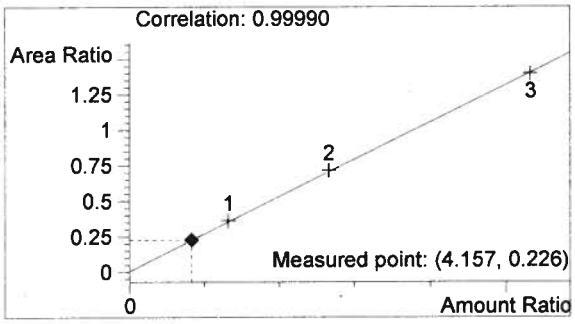
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2013 11:18:58 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

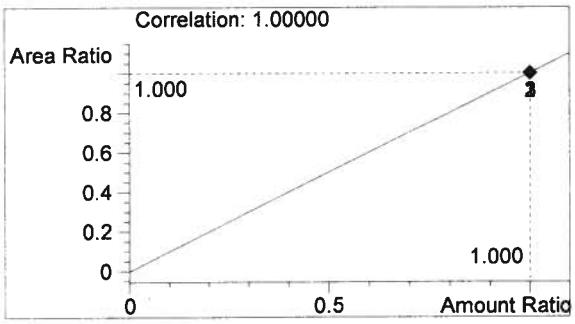
Sample Name: 13032-04
Operator: Katie Knorr
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	560	1.041
2	n-Propanol	2478	1.706



Ethanol 0.050 g/100mL



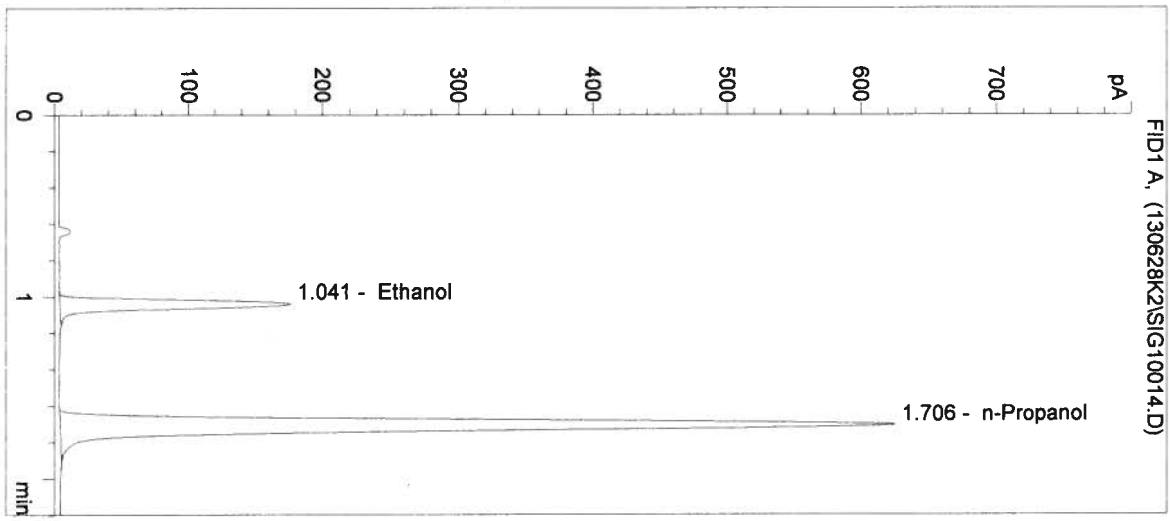
n-Propanol 0.012 g/100mL

KK

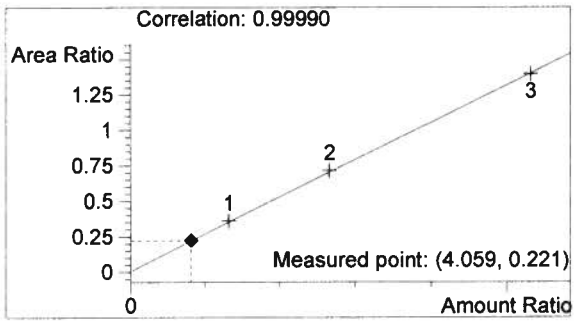
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2013 11:22:03 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

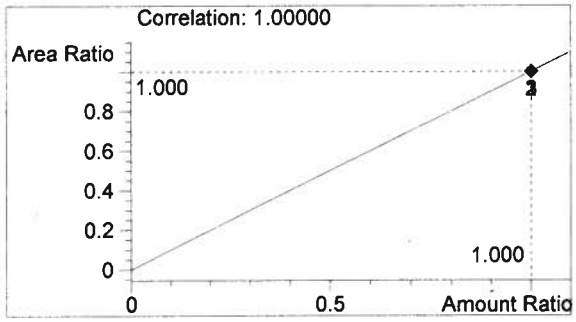
Sample Name: 13032-05
Operator: Katie Knorr
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	549	1.041
2	n-Propanol	2486	1.706



Ethanol 0.049 g/100mL



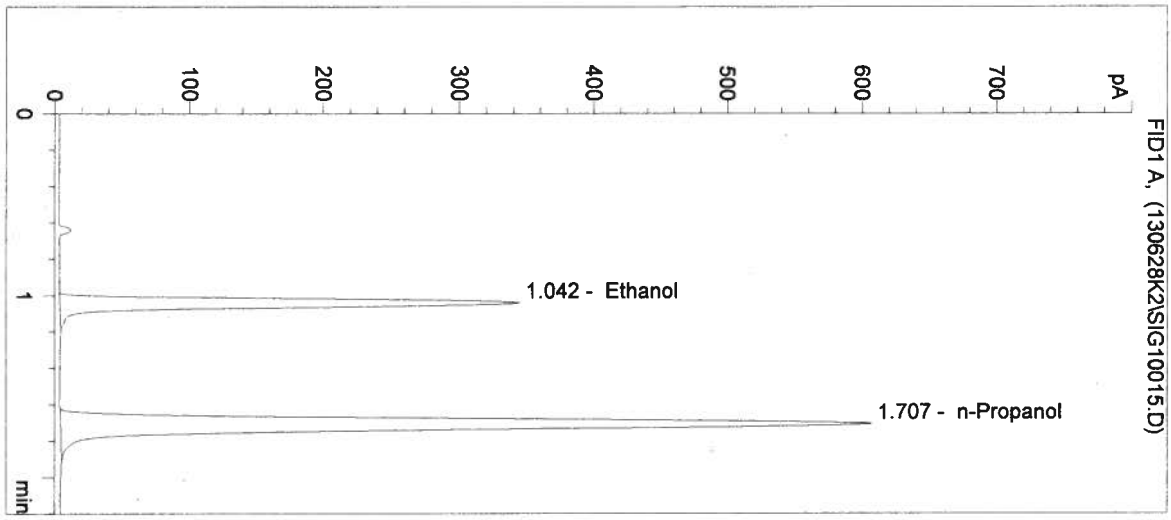
n-Propanol 0.012 g/100mL

KK

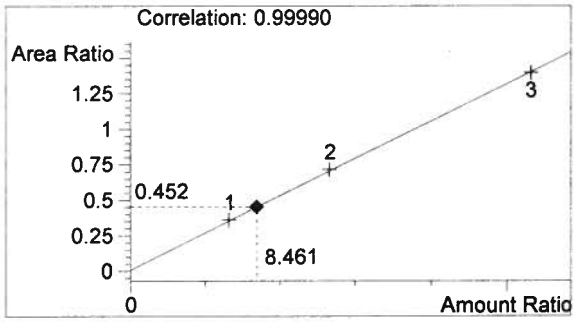
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2013 11:25:07 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

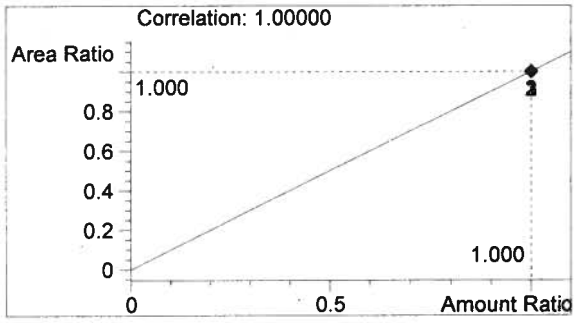
Sample Name: 0.10 CTRL
Operator: Katie Knorr
Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	1085	1.042
2	n-Propanol	2403	1.707



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

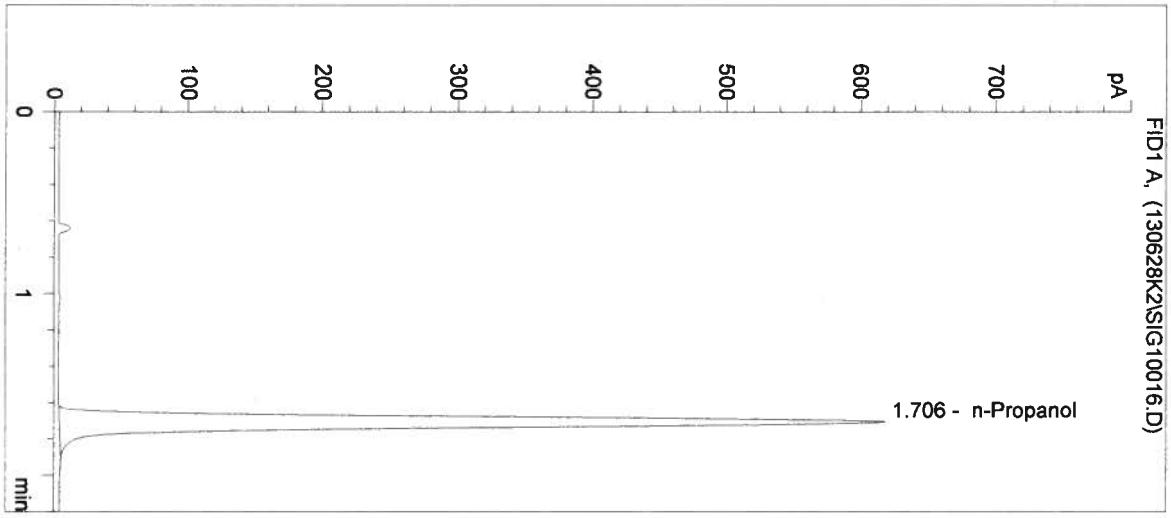
13032

KK

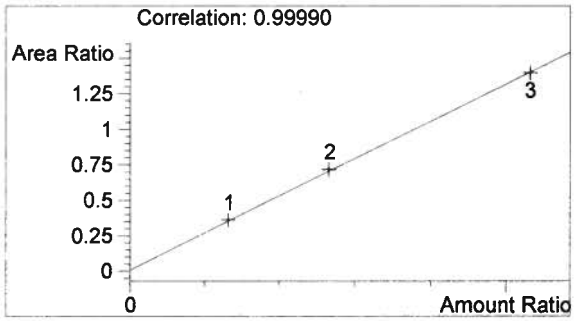
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 6/28/2013 11:28:12 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

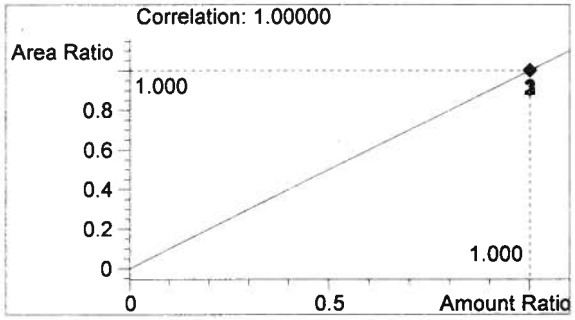
Sample Name: NEG CTRL
Operator: Katie Knorr
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2463	1.706



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

13032

KK

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

Sequence Parameters:

Operator:	Amanda Chandler
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	130701AC
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E0213-01 - Exp. 08/20/13
Ethanol Calibrator 2, E0213-02 - Exp. 08/20/13
Ethanol Calibrator 3, E0213-03 - Exp. 08/20/13

0.04 Control - Lot #A088613 - Exp. 09/2016
0.10 Control - Lot #A090924 - Exp. 01/2017
0.20 Control - Lot #A093219 - Exp. 05/2017

ISTD Lot#P0513 - Exp. 08/02/2013

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	Blank	SIMALC1	1	Sample		
2	Vial 2	0.079 Cal 1	SIMALC1	1	Calib		
3	Vial 3	0.158 Cal 2	SIMALC1	1	Calib		
4	Vial 4	0.316 Cal 3	SIMALC1	1	Calib		
5	Vial 5	Negative-AC	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 Control-AC	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 Control-AC	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 Control-AC	SIMALC1	1	Ctrl Samp		
9	Vial 9	Negative-AC	SIMALC1	1	Ctrl Samp		
10	Vial 10	QAP 0.04 13032 1	SIMALC1	1	Sample		
11	Vial 11	QAP 0.04 13032 2	SIMALC1	1	Sample		
12	Vial 12	QAP 0.04 13032 3	SIMALC1	1	Sample		
13	Vial 13	QAP 0.04 13032 4	SIMALC1	1	Sample		
14	Vial 14	QAP 0.04 13032 5	SIMALC1	1	Sample		
15	Vial 15	0.10 Control AC	SIMALC1	1	Ctrl Samp		
16	Vial 16	Negative-AC	SIMALC1	1	Ctrl Samp		
17	Vial 17	QAP 0.08 13029 1	SIMALC1	1	Sample		
18	Vial 18	QAP 0.08 13029 2	SIMALC1	1	Sample		
19	Vial 19	QAP 0.08 13029 3	SIMALC1	1	Sample		
20	Vial 20	QAP 0.08 13029 4	SIMALC1	1	Sample		
21	Vial 21	QAP 0.08 13029 5	SIMALC1	1	Sample		
22	Vial 22	0.10 Control-AC	SIMALC1	1	Ctrl Samp		
23	Vial 23	Negative-AC	SIMALC1	1	Ctrl Samp		
24	Vial 24	QAP 0.15 13031 1	SIMALC1	1	Sample		
25	Vial 25	QAP 0.15 13031 2	SIMALC1	1	Sample		
26	Vial 26	QAP 0.15 13031 3	SIMALC1	1	Sample		

13032
13029
13031

AC

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

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
27	Vial 27	QAP 0.15 13031 4	SIMALC1	1	Sample		
28	Vial 28	QAP 0.15 13031 5	SIMALC1	1	Sample		
29	Vial 29	0.10 Control-AC	SIMALC1	1	Ctrl Samp		
30	Vial 30	Negative-AC	SIMALC1	1	Ctrl Samp		

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

13032
13029
13031

130701AC
ac

Calibration Table

Calib. Data Modified : Monday, July 01, 2013 11:47:49 AM

Calculate : Internal Standard
Based on : Peak Area

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

Curve Type : Linear
Origin : Included
Weight : Equal

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

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

Sample ISTD Information:

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

Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.042	1	1	7.93800e-2	894.85126	8.87075e-5	1		Ethanol
		2	1.59660e-1	1804.83081	8.84626e-5			
		3	3.19080e-1	3484.94092	9.15597e-5			
1.707	1	1	1.20000e-2	2479.90308	4.83890e-6	I1		n-Propanol
		2	1.20000e-2	2543.51172	4.71789e-6			
		3	1.20000e-2	2450.60669	4.89675e-6			

Peak Sum Table

No Entries in table

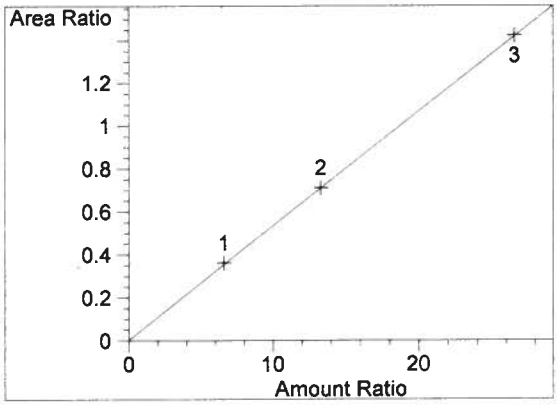
1 3 0 3 2 0 2 9
1 3 0 3 1

130701AC
ac

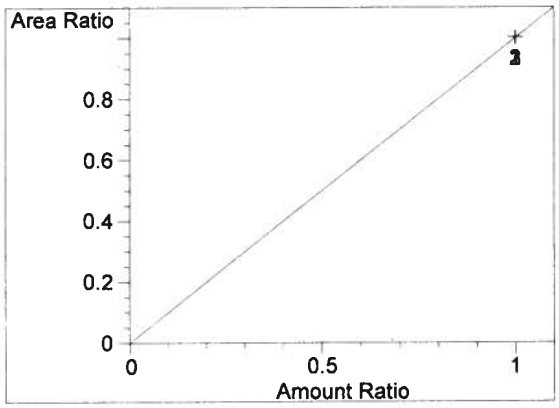
==========

Calibration Curves

==========



Ethanol at exp. RT: 1.042
FID1 A,
Correlation: 0.99998
Residual Std. Dev.: 0.00466
Formula: y = mx + b
m: 5.33814e-2
b: 2.43170e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.707
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

==========

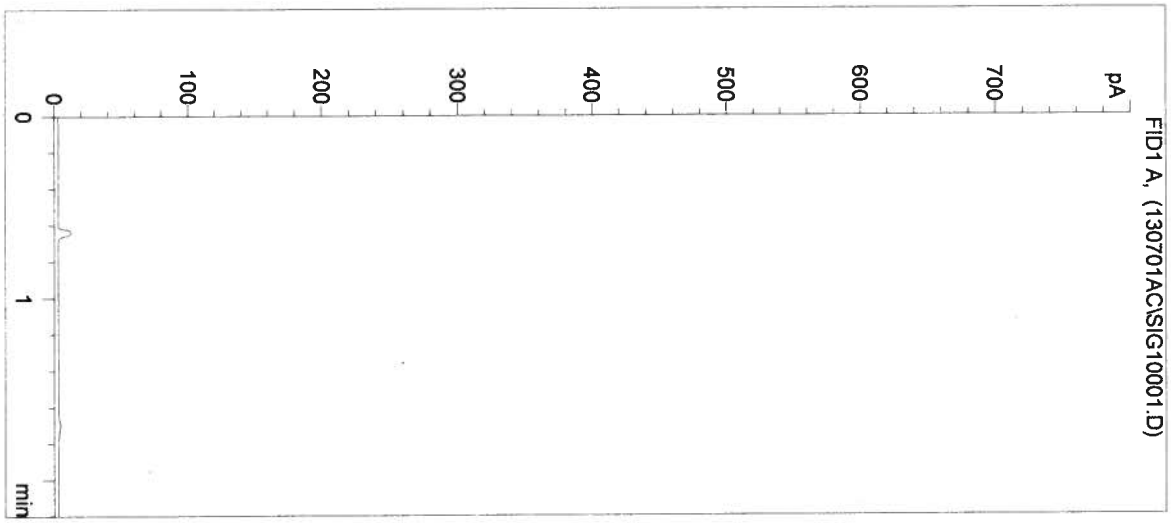
13038
13029
13031

130701AC
ac

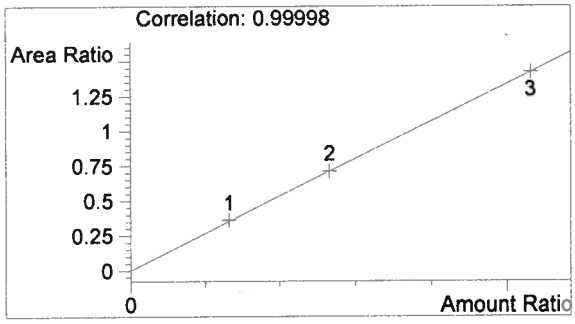
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/1/2013 11:36:22 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

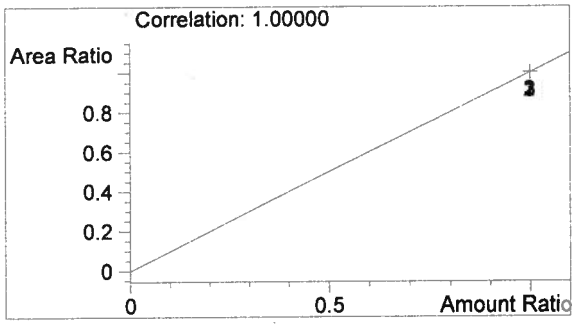
Sample Name: Blank
Operator: Amanda Chandler
Location: Vial 1



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



Ethanol 0.000 g/100mL



n-Propanol 0.000 g/100mL

13032
13031
13029

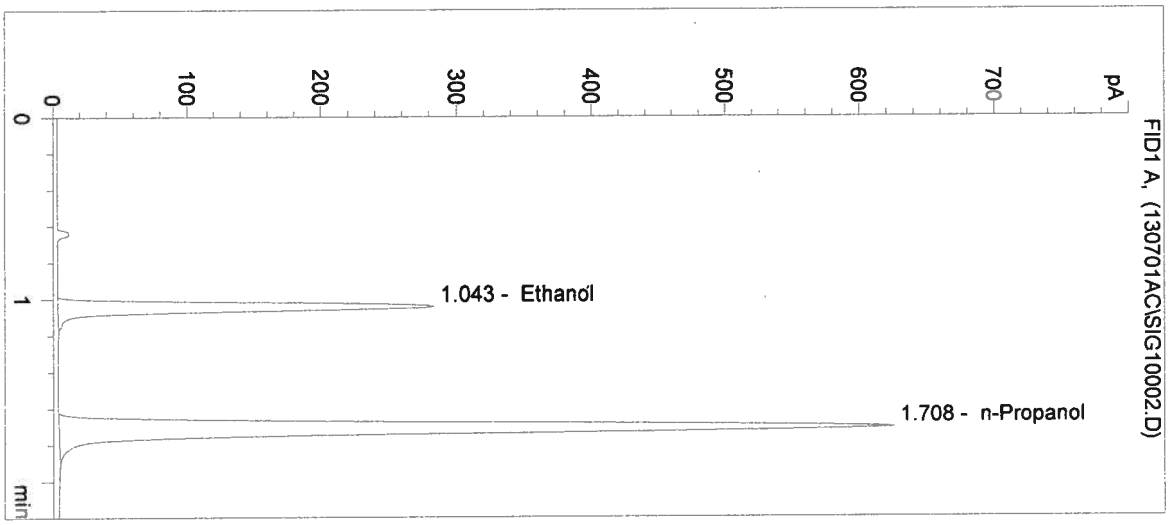
Data File: C:\HPCHEM\1\DATA\130701AC\SIG10001.D

AC

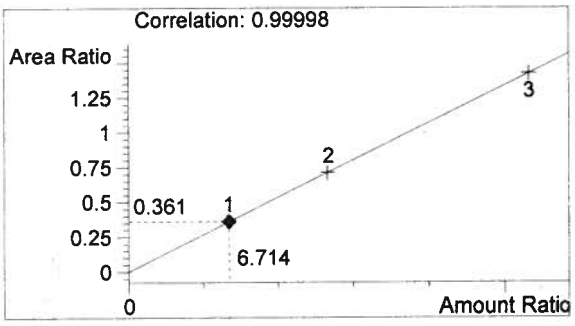
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/1/2013 11:39:26 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

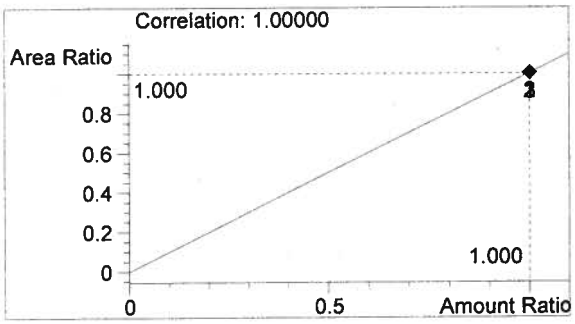
Sample Name: 0.079 Cal 1
Operator: Amanda Chandler
Location: Vial 2



#	Compound	Peak Area	RT (min)
1	Ethanol	895	1.043
2	n-Propanol	2480	1.708



Ethanol 0.081 g/100mL



n-Propanol 0.012 g/100mL

13032
13031
13029

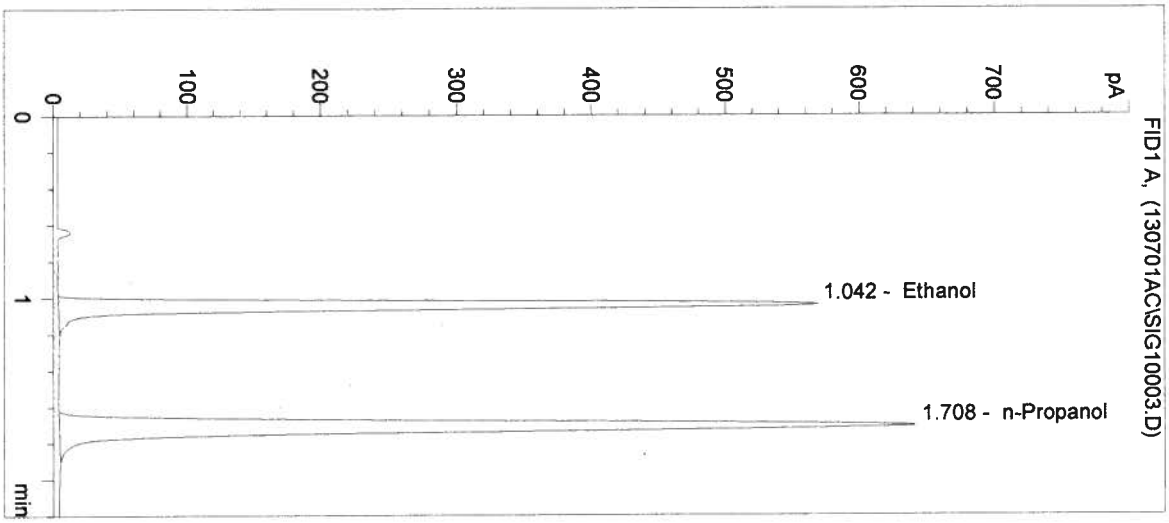
Data File: C:\HPCHEM\1\DATA\130701AC\SIG10002.D

AC

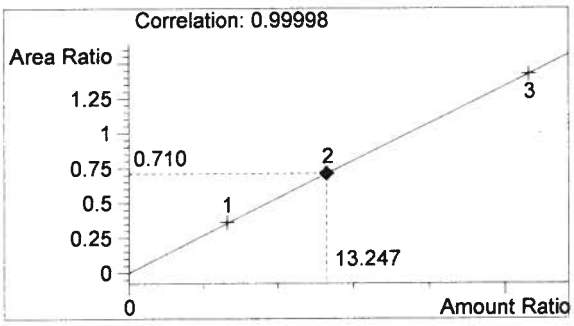
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/1/2013 11:42:31 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

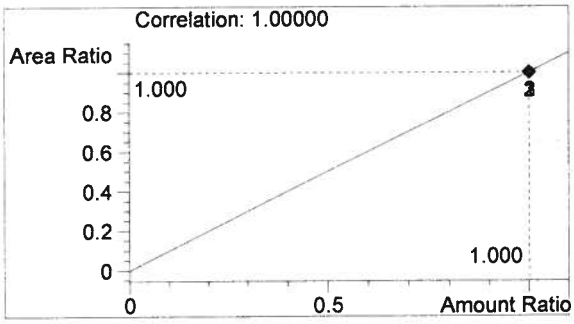
Sample Name: 0.158 Cal 2
Operator: Amanda Chandler
Location: Vial 3



#	Compound	Peak Area	RT (min)
1	Ethanol	1805	1.042
2	n-Propanol	2544	1.708



Ethanol 0.159 g/100mL



n-Propanol 0.012 g/100mL

13032
13031
13029

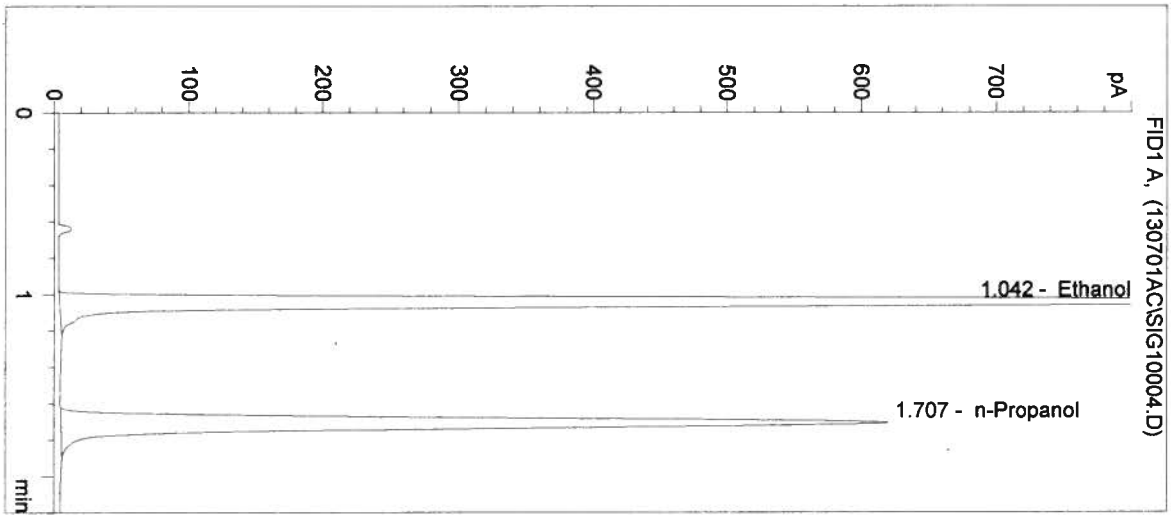
Data File: C:\HPCHEM\1\DATA\130701AC\SIG10003.D

AC

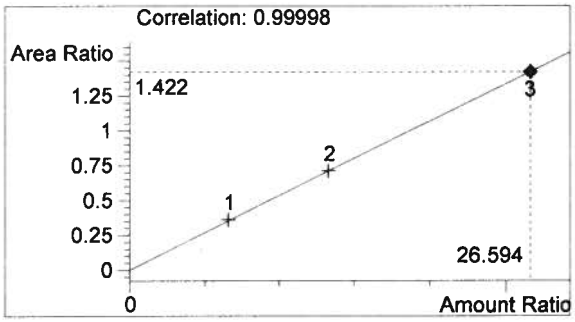
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/1/2013 11:45:36 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

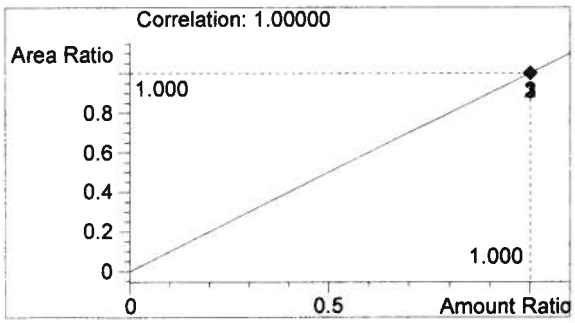
Sample Name: 0.316 Cal 3
Operator: Amanda Chandler
Location: Vial 4



#	Compound	Peak Area	RT (min)
1	Ethanol	3485	1.042
2	n-Propanol	2451	1.707



Ethanol 0.319 g/100mL



n-Propanol 0.012 g/100mL

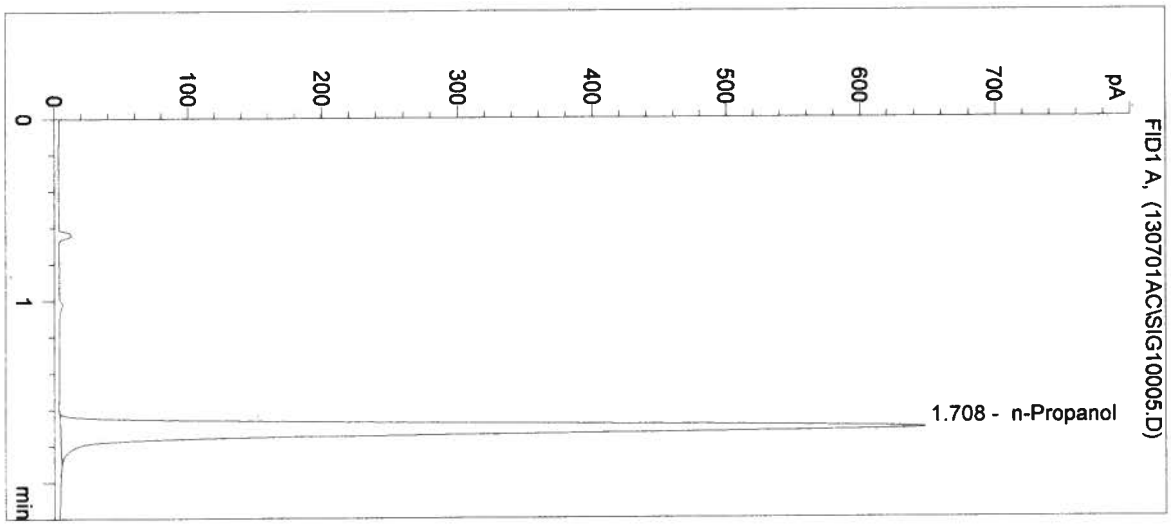
13032
13031
13029

Data File: C:\HPCHEM\1\DATA\130701AC\SIG10004.D

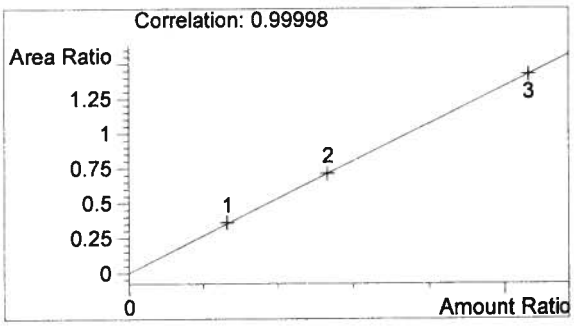
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/1/2013 11:48:41 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

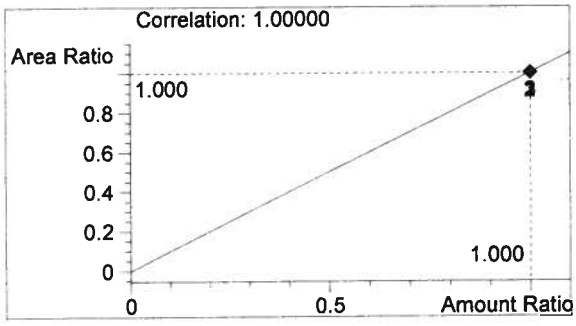
Sample Name: Negative-AC
Operator: Amanda Chandler
Location: Vial 5



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2566	1.708



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

13032
13031
13029

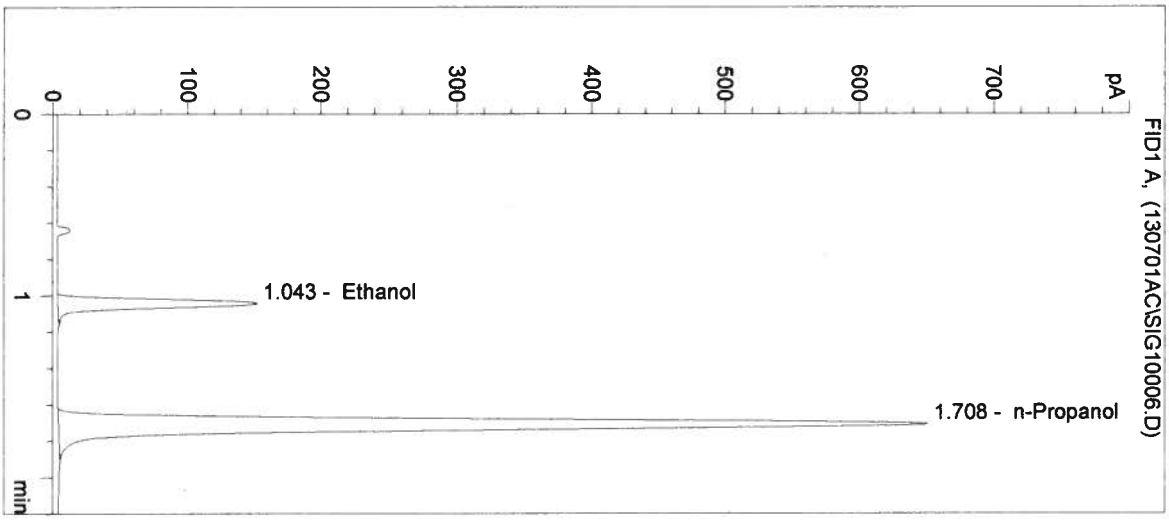
Data File: C:\HPCHEM\1\DATA\130701AC\SIG10005.D

AC

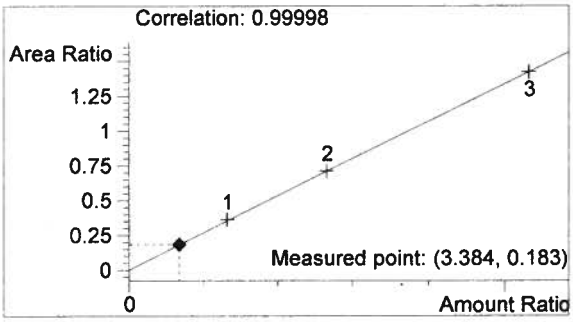
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/1/2013 11:51:46 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

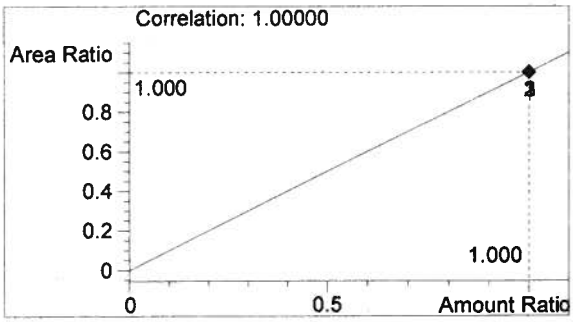
Sample Name: 0.04 Control-AC
Operator: Amanda Chandler
Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	473	1.043
2	n-Propanol	2584	1.708



Ethanol 0.041 g/100mL



n-Propanol 0.012 g/100mL

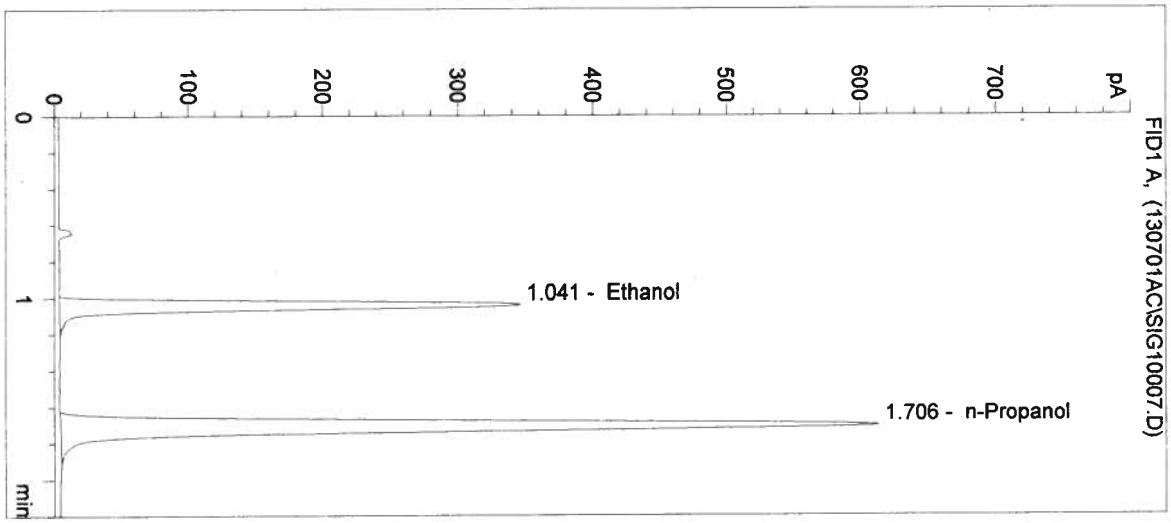
13032
13031
13029

Data File: C:\HPCHEM\1\DATA\130701AC\SIG10006.D

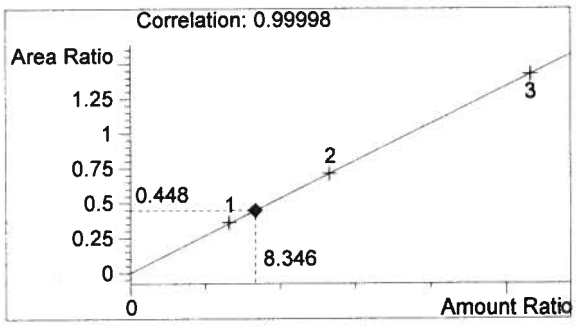
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/1/2013 11:54:50 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

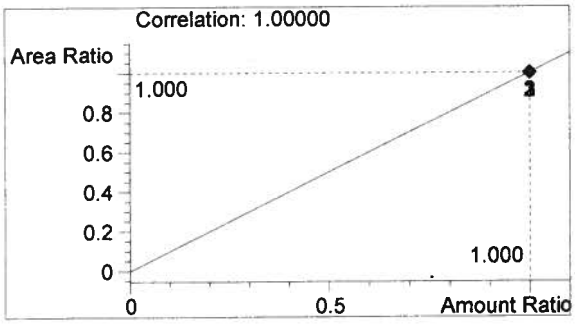
Sample Name: 0.10 Control-AC
Operator: Amanda Chandler
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	1089	1.041
2	n-Propanol	2430	1.706



Ethanol 0.100 g/100mL



n-Propanol 0.012 g/100mL

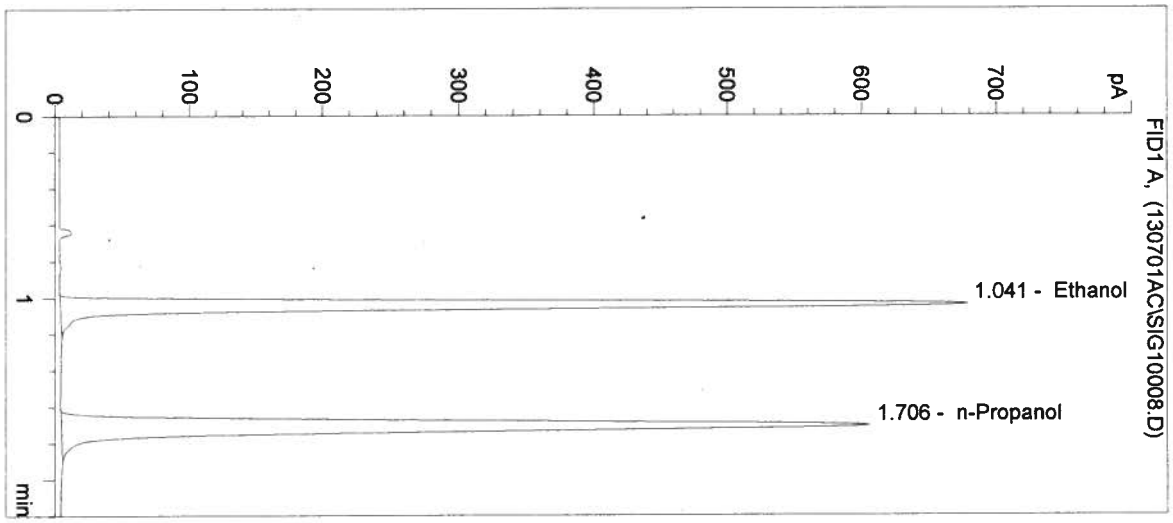
13032
13031
13029

NC

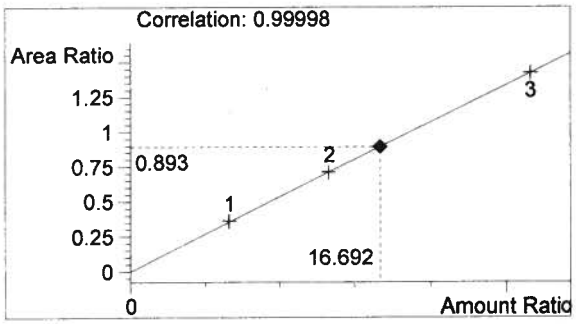
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/1/2013 11:57:55 AM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

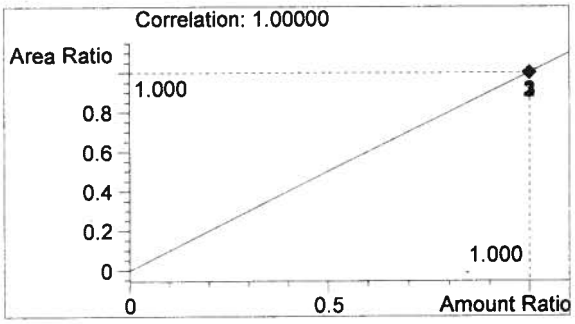
Sample Name: 0.20 Control-AC
Operator: Amanda Chandler
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	2139	1.041
2	n-Propanol	2394	1.706



Ethanol 0.200 g/100mL



n-Propanol 0.012 g/100mL

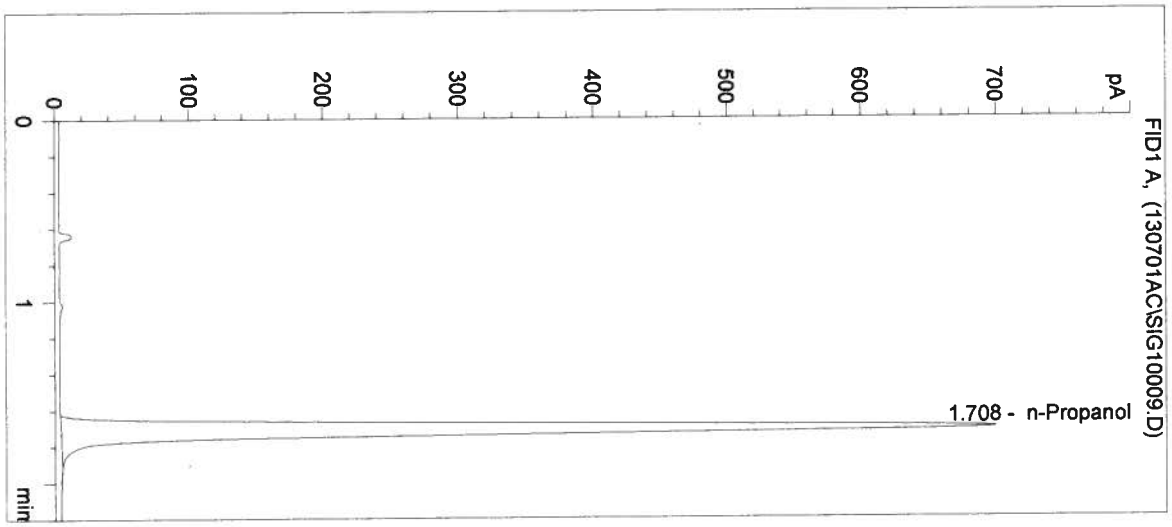
13032
13031
13029

Data File: C:\HPCHEM\1\DATA\130701AC\SIG10008.D

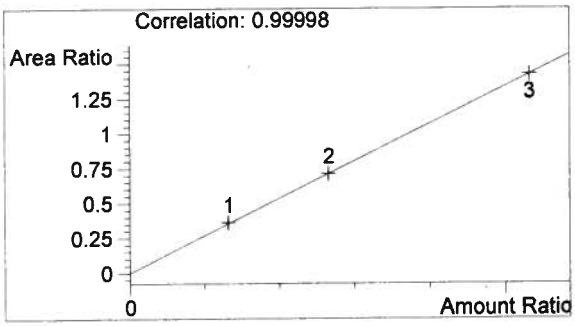
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/1/2013 12:01:00 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

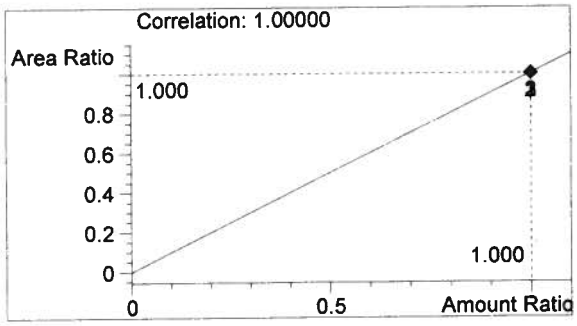
Sample Name: Negative-AC
Operator: Amanda Chandler
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2780	1.708



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

13032
13031
13029

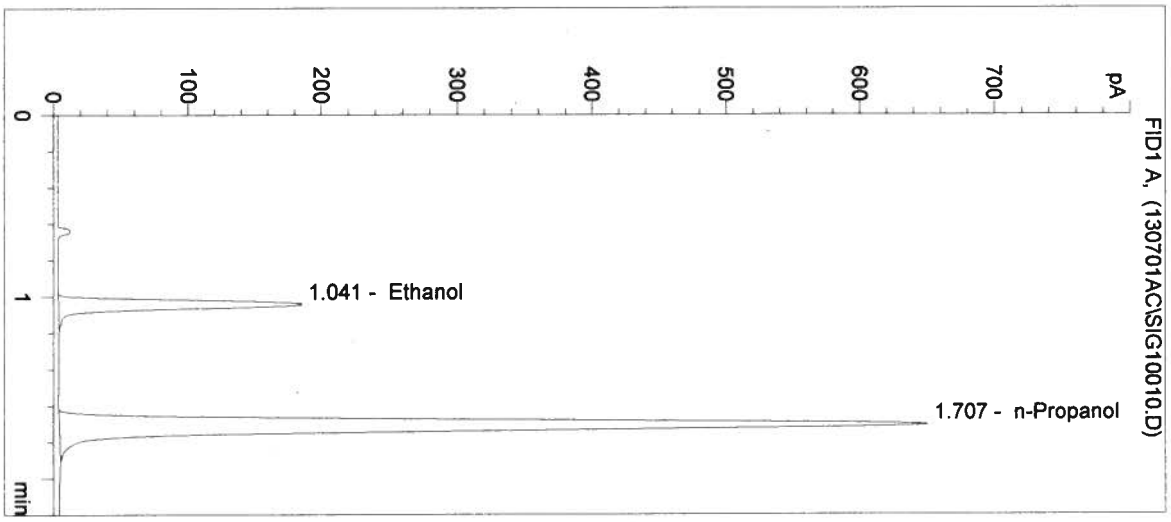
Data File: C:\HPCHEM\1\DATA\130701AC\SIG10009.D

AC

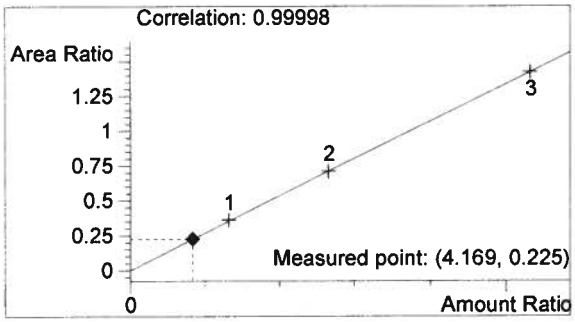
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/1/2013 12:04:04 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

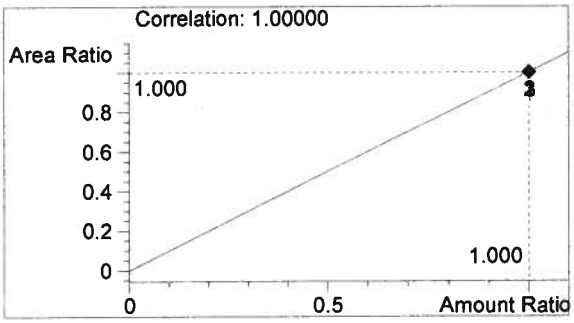
Sample Name: QAP 0.04 13032 1
Operator: Amanda Chandler
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	580	1.041
2	n-Propanol	2578	1.707



Ethanol 0.050 g/100mL



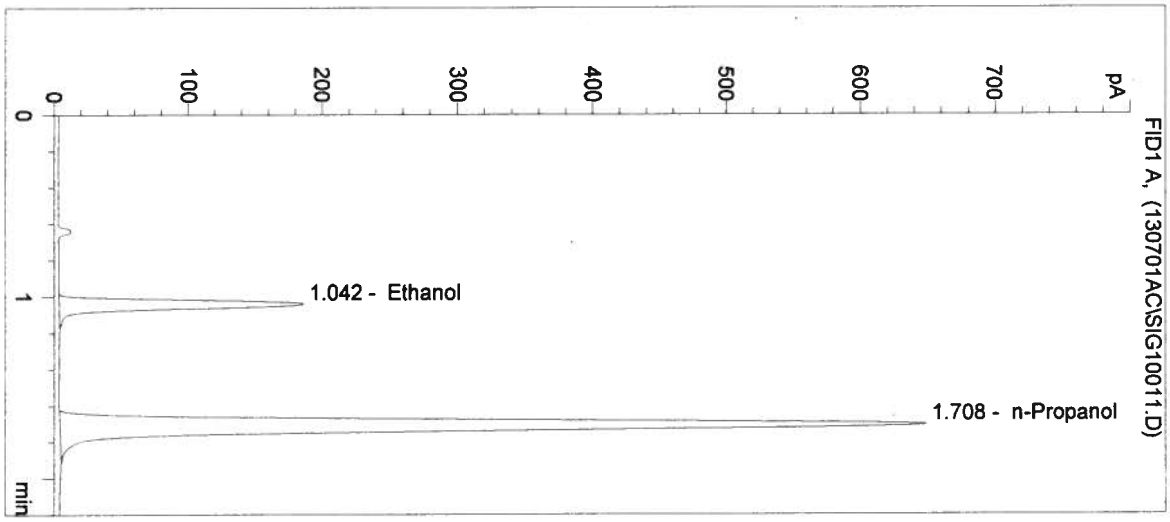
n-Propanol 0.012 g/100mL

AC

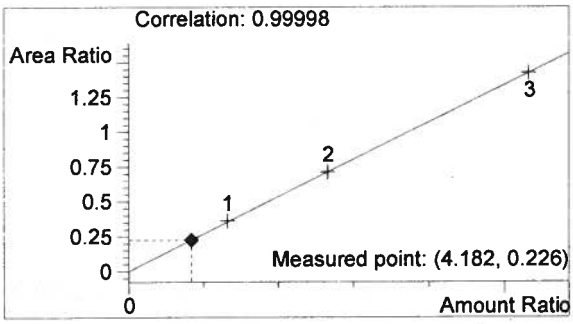
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/1/2013 12:07:09 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

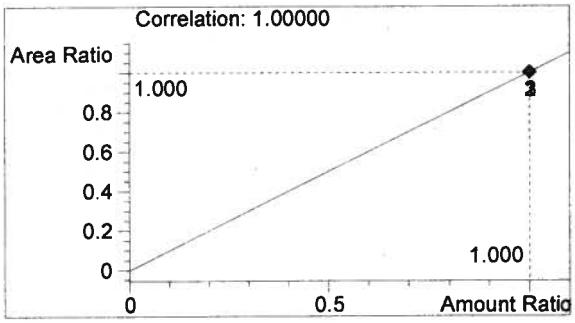
Sample Name: QAP 0.04 13032 2
Operator: Amanda Chandler
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	581	1.042
2	n-Propanol	2574	1.708



Ethanol 0.050 g/100mL



n-Propanol 0.012 g/100mL

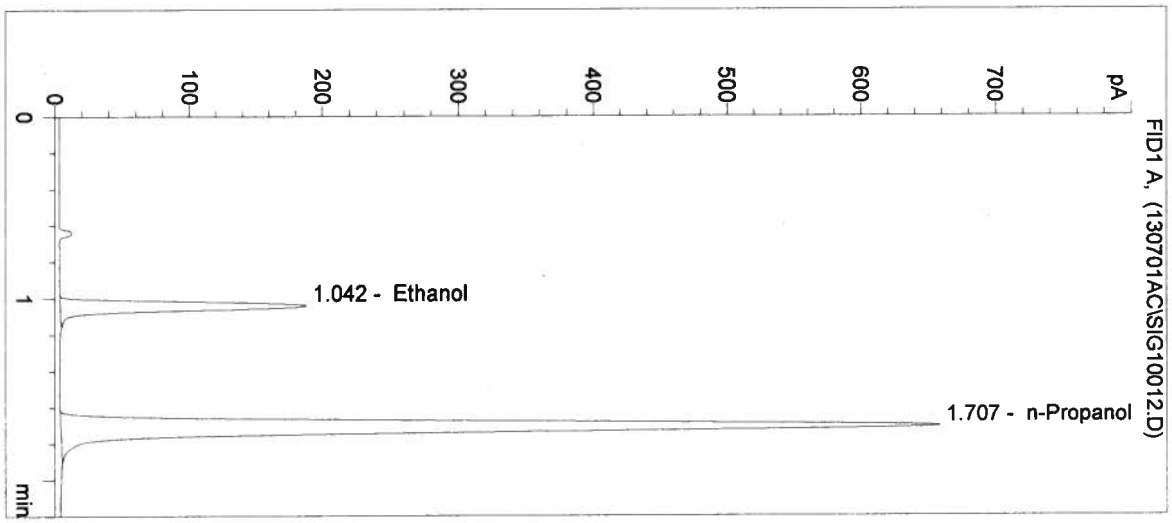
Data File: C:\HPCHEM\1\DATA\130701AC\SIG10011.D

AC

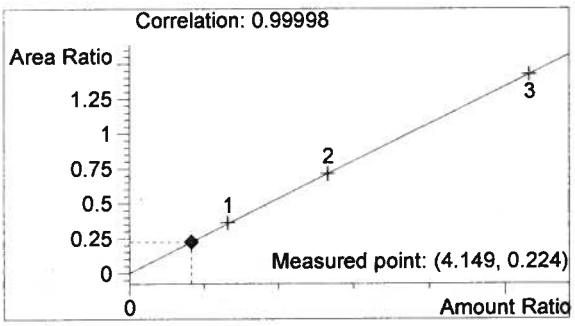
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/1/2013 12:10:14 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

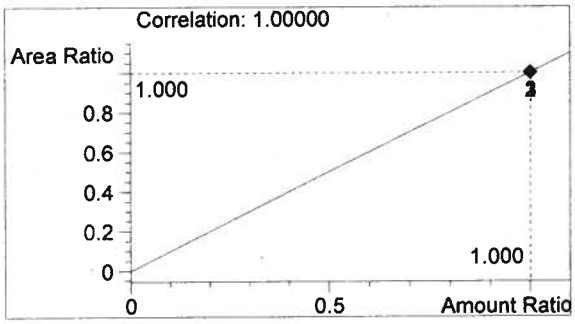
Sample Name: QAP 0.04 13032 3
Operator: Amanda Chandler
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	585	1.042
2	n-Propanol	2610	1.707



Ethanol 0.050 g/100mL



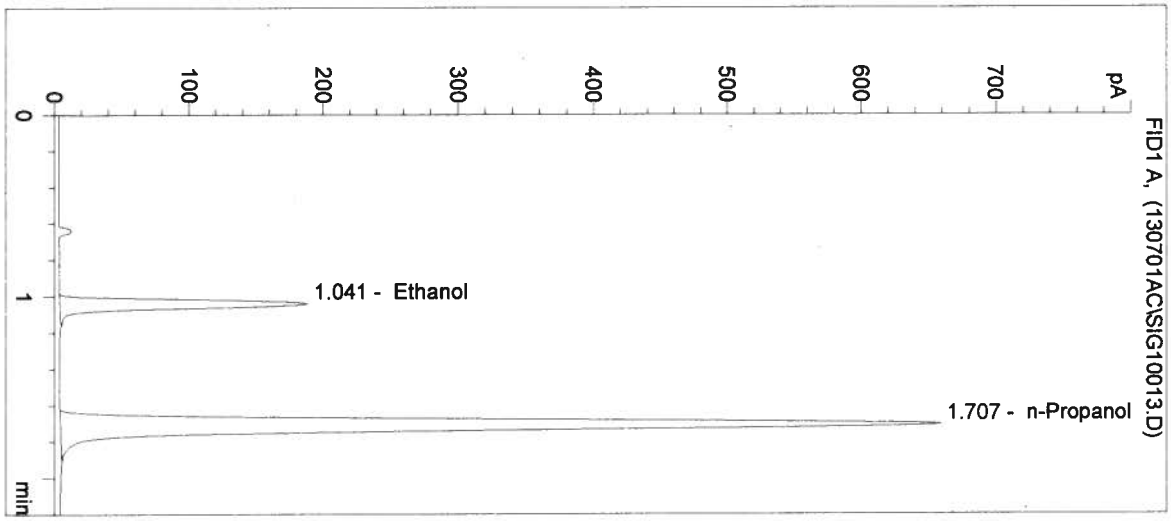
n-Propanol 0.012 g/100mL

AC

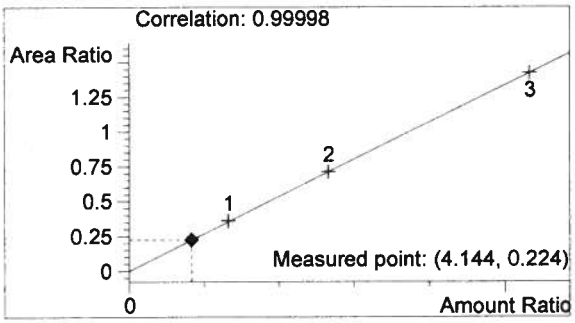
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/1/2013 12:13:19 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

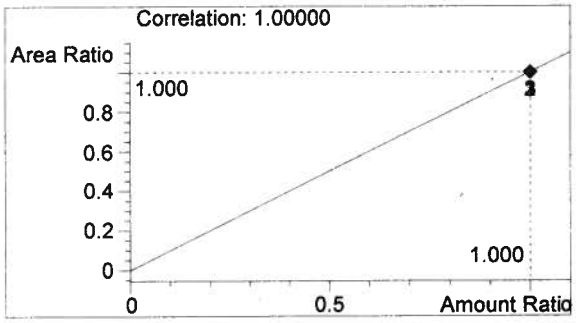
Sample Name: QAP 0.04 13032 4
Operator: Amanda Chandler
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	584	1.041
2	n-Propanol	2610	1.707



Ethanol 0.050 g/100mL

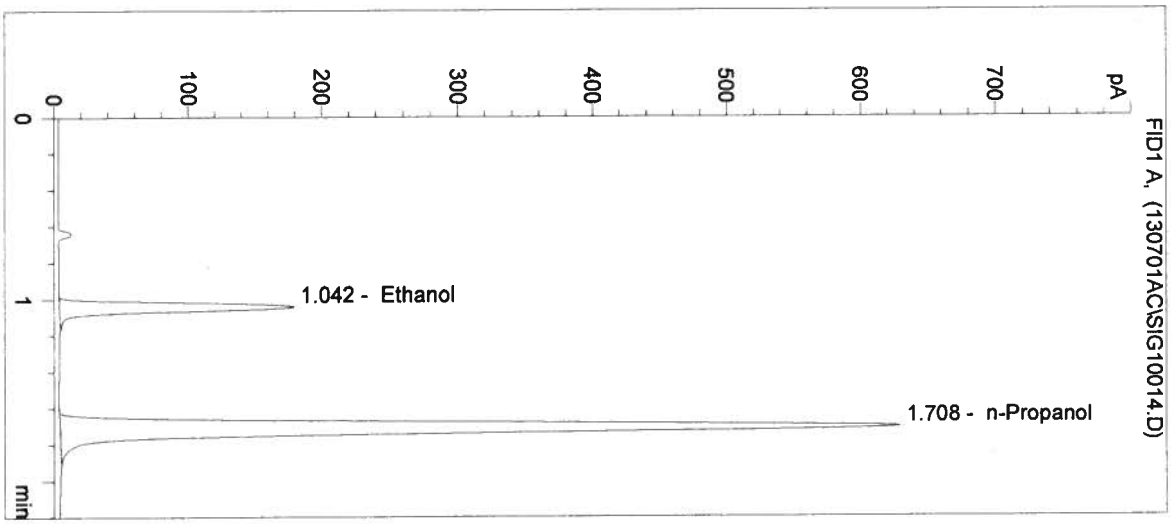


n-Propanol 0.012 g/100mL

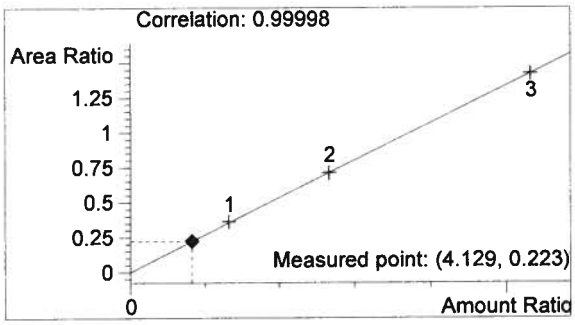
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/1/2013 12:16:24 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

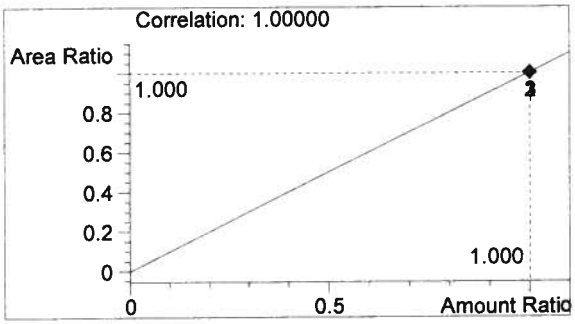
Sample Name: QAP 0.04 13032 5
Operator: Amanda Chandler
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	556	1.042
2	n-Propanol	2494	1.708



Ethanol 0.050 g/100mL

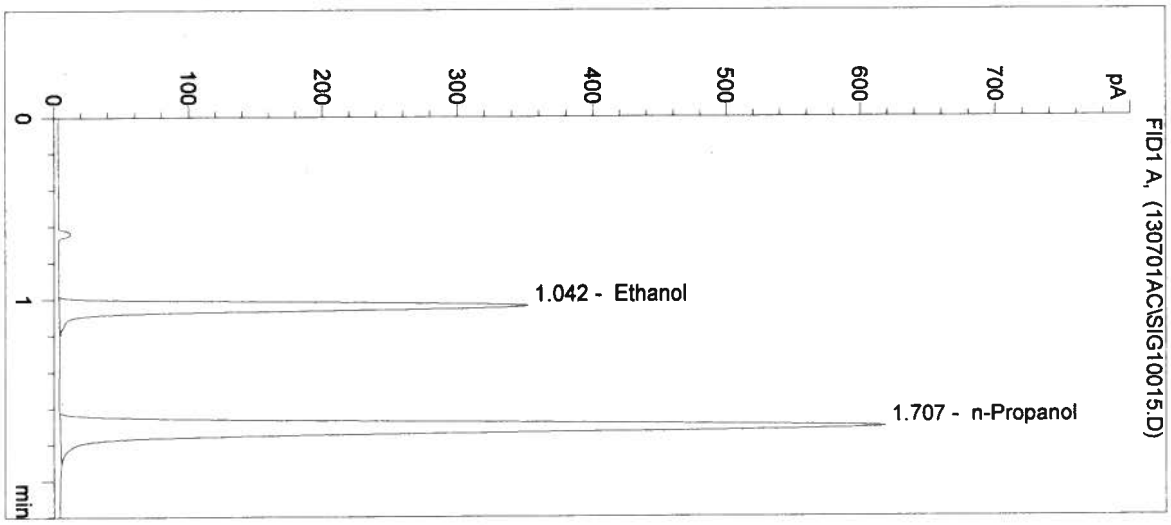


n-Propanol 0.012 g/100mL

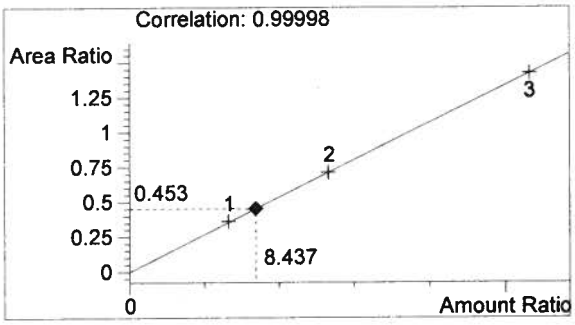
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/1/2013 12:19:28 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

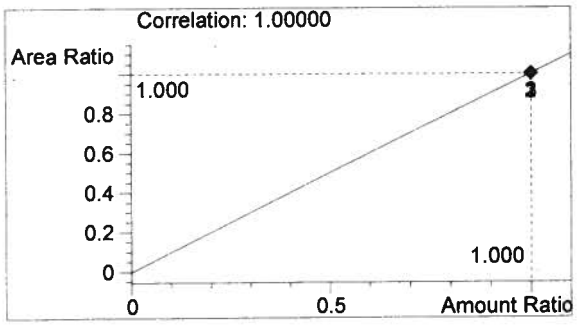
Sample Name: 0.10 Control AC
Operator: Amanda Chandler
Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	1107	1.042
2	n-Propanol	2445	1.707



Ethanol 0.101 g/100mL



n-Propanol 0.012 g/100mL

13032

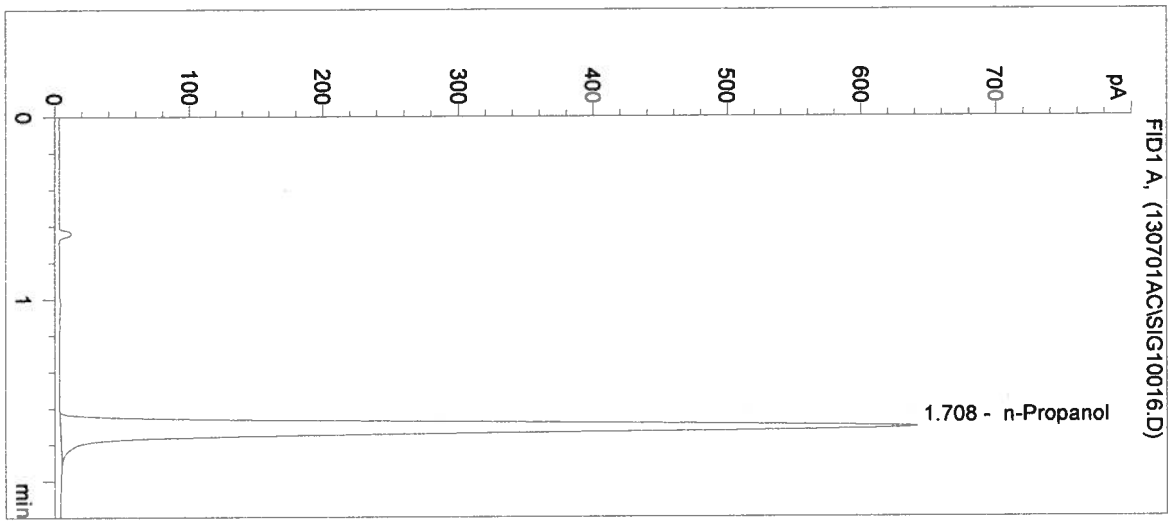
Data File: C:\HPCHEM\1\DATA\130701AC\SIG10015.D

AC

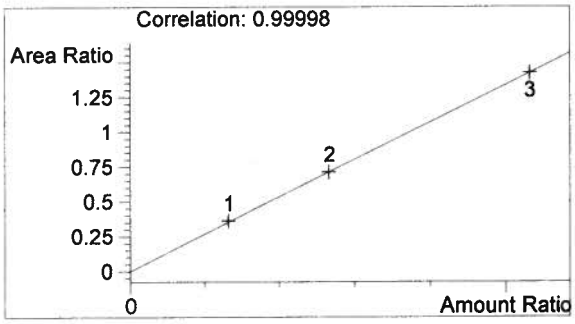
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/1/2013 12:22:33 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

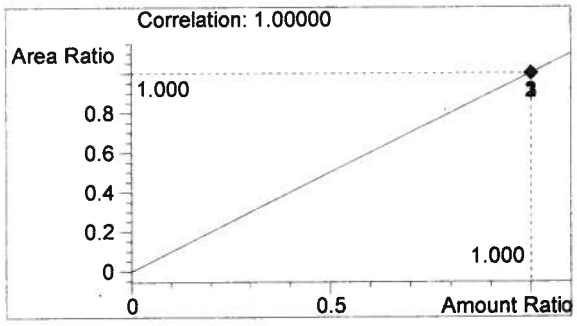
Sample Name: Negative-AC
Operator: Amanda Chandler
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2547	1.708



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

13032

Data File: C:\HPCHEM\1\DATA\130701AC\SIG10016.D

AC

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

Sequence Parameters:

Operator:	Lyndsey Lowe
Data File Naming:	Prefix/Counter
Signal 1 Prefix:	SIG1
Counter:	0001
Signal 2 Prefix:	SIG2
Counter:	0001
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	130702LL
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E0213-01 - Exp. 08/20/13
Ethanol Calibrator 2, E0213-02 - Exp. 08/20/13
Ethanol Calibrator 3, E0213-03 - Exp. 08/20/13

0.04 Control - Lot #A088613 - Exp. 09/2016
0.10 Control - Lot #A090924 - Exp. 01/2017
0.20 Control - Lot #A093219 - Exp. 05/2017

ISTD Lot#P0513 - Exp. 08/02/2013

Sequence Table (Front Injector):

Method and Injection Info Part:

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	Vial 1	BLANK	SIMALC1	1	Sample		
2	Vial 2	0.079 CAL 1	SIMALC1	1	Calib		
3	Vial 3	0.158 CAL 2	SIMALC1	1	Calib		
4	Vial 4	0.316 CAL 3	SIMALC1	1	Calib		
5	Vial 5	Negative	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 Ctrl	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 Ctrl	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 Ctrl	SIMALC1	1	Ctrl Samp		
9	Vial 9	Negative	SIMALC1	1	Ctrl Samp		
10	Vial 10	13032 0.04 #1	SIMALC1	1	Sample		
11	Vial 11	13032 0.04 #2	SIMALC1	1	Sample		
12	Vial 12	13032 0.04 #3	SIMALC1	1	Sample		
13	Vial 13	13032 0.04 #4	SIMALC1	1	Sample		
14	Vial 14	13032 0.04 #5	SIMALC1	1	Sample		
15	Vial 15	0.10 Ctrl	SIMALC1	1	Ctrl Samp		
16	Vial 16	Negative	SIMALC1	1	Ctrl Samp		
17	Vial 17	13029 0.08 #1	SIMALC1	1	Sample		
18	Vial 18	13029 0.08 #2	SIMALC1	1	Sample		
19	Vial 19	13029 0.08 #3	SIMALC1	1	Sample		
20	Vial 20	13029 0.08 #4	SIMALC1	1	Sample		
21	Vial 21	13029 0.08 #5	SIMALC1	1	Sample		
22	Vial 22	0.10 Ctrl	SIMALC1	1	Ctrl Samp		
23	Vial 23	Negative	SIMALC1	1	Ctrl Samp		
24	Vial 24	13031 0.15 #1	SIMALC1	1	Sample		
25	Vial 25	13031 0.15 #2	SIMALC1	1	Sample		
26	Vial 26	13031 0.15 #3	SIMALC1	1	Sample		

13029
13031
13032

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

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
27	Vial 27	13031 0.15 #4	SIMALC1	1	Sample		
28	Vial 28	13031 0.15 #5	SIMALC1	1	Sample		
29	Vial 29	0.10 Ctrl	SIMALC1	1	Ctrl Samp		
30	Vial 30	Negative	SIMALC1	1	Ctrl Samp		

Calibration Part:

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

Sequence Table (Back Injector):

No entries - empty table!

13029
13031
13032
130702

Calibration Table

Calib. Data Modified : Tuesday, July 02, 2013 1:24:40 PM

Calculate : Internal Standard
Based on : Peak Area

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

Curve Type : Linear
Origin : Included
Weight : Equal

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

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

Sample ISTD Information:

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

Signal 1: FID1 A,

RetTime [min]	Lvl Sig		Amount [g/100mL]	Area	Amt/Area	Ref	Grp	Name
1.042	1	1	7.93800e-2	847.94122	9.36150e-5	1		Ethanol
		2	1.59660e-1	1704.18787	9.36869e-5			
		3	3.19080e-1	3632.32666	8.78445e-5			
1.708	1	1	1.20000e-2	2360.49756	5.08367e-6	I1		n-Propanol
		2	1.20000e-2	2374.66748	5.05334e-6			
		3	1.20000e-2	2503.49268	4.79330e-6			

Peak Sum Table

No Entries in table

13029
13031
13032

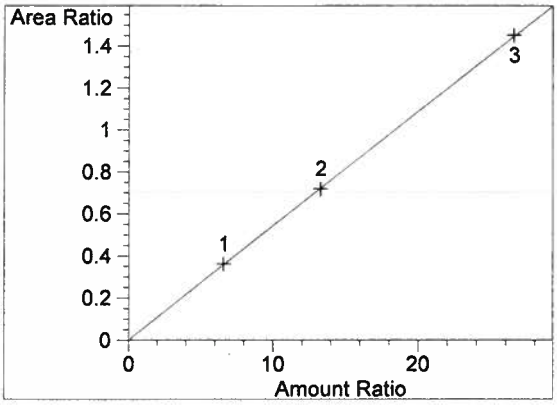
130702LL

LL

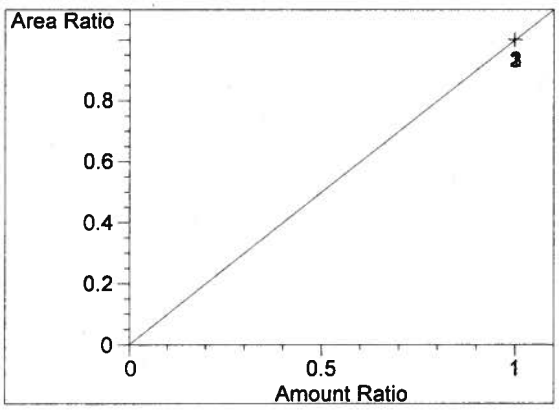
==========

Calibration Curves

==========



Ethanol at exp. RT: 1.042
FID1 A,
Correlation: 0.99998
Residual Std. Dev.: 0.00486
Formula: y = mx + b
m: 5.45520e-2
b: -2.35900e-3
x: Amount Ratio
y: Area Ratio



n-Propanol at exp. RT: 1.708
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

==========

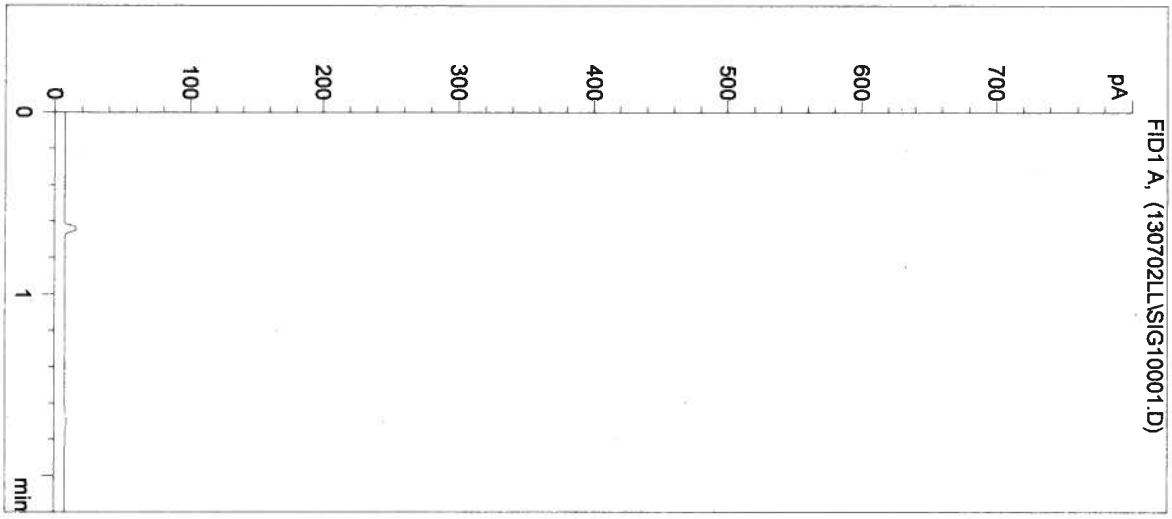
1307021

13029
13031
13032

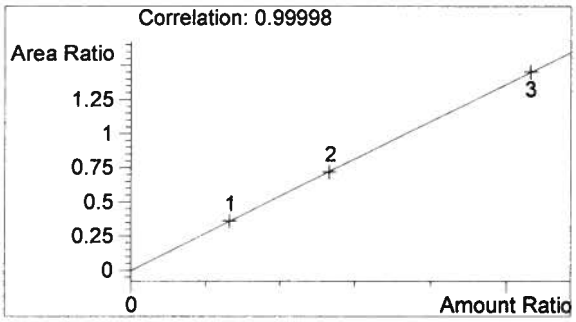
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/2/2013 1:13:13 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

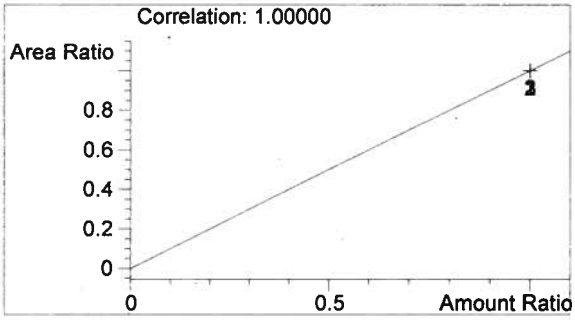
Sample Name: BLANK
Operator: Lyndsey Lowe
Location: Vial 1



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



Ethanol 0.000 g/100mL



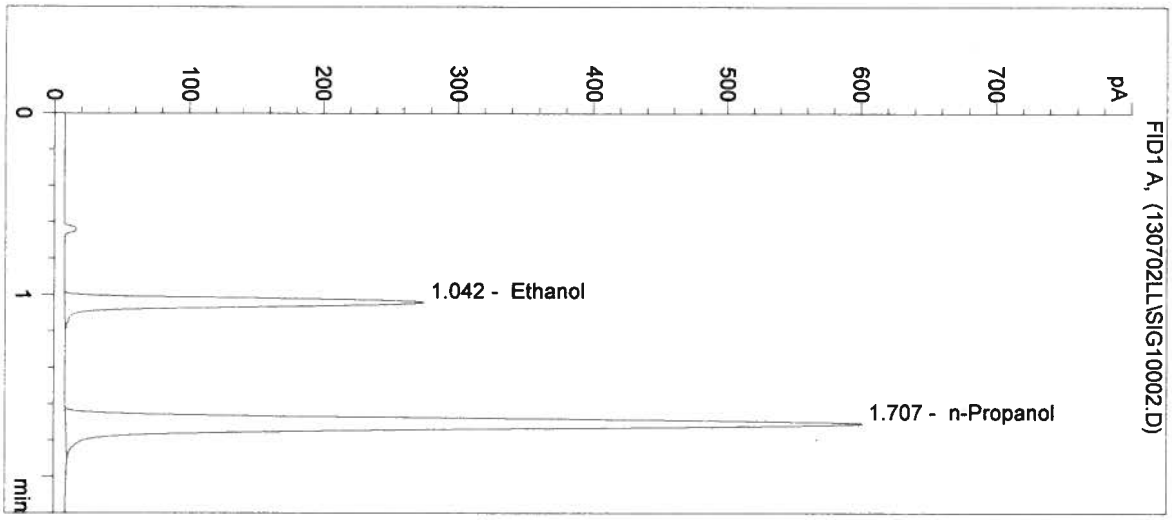
n-Propanol 0.000 g/100mL

13029
13031
13032

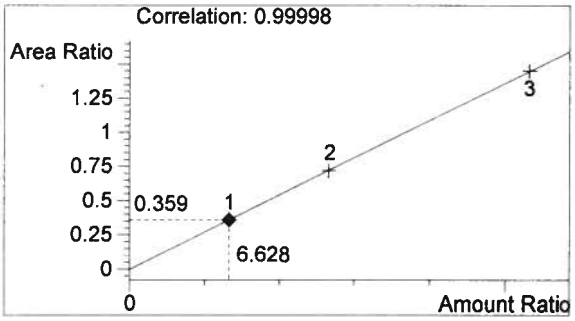
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/2/2013 1:16:17 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

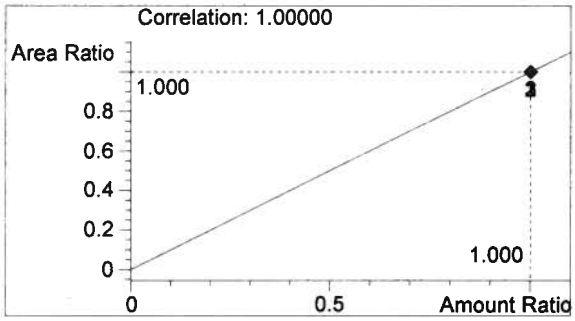
Sample Name: 0.079 CAL 1
Operator: Lyndsey Lowe
Location: Vial 2



#	Compound	Peak Area	RT (min)
1	Ethanol	848	1.042
2	n-Propanol	2360	1.707



Ethanol 0.080 g/100mL



n-Propanol 0.012 g/100mL

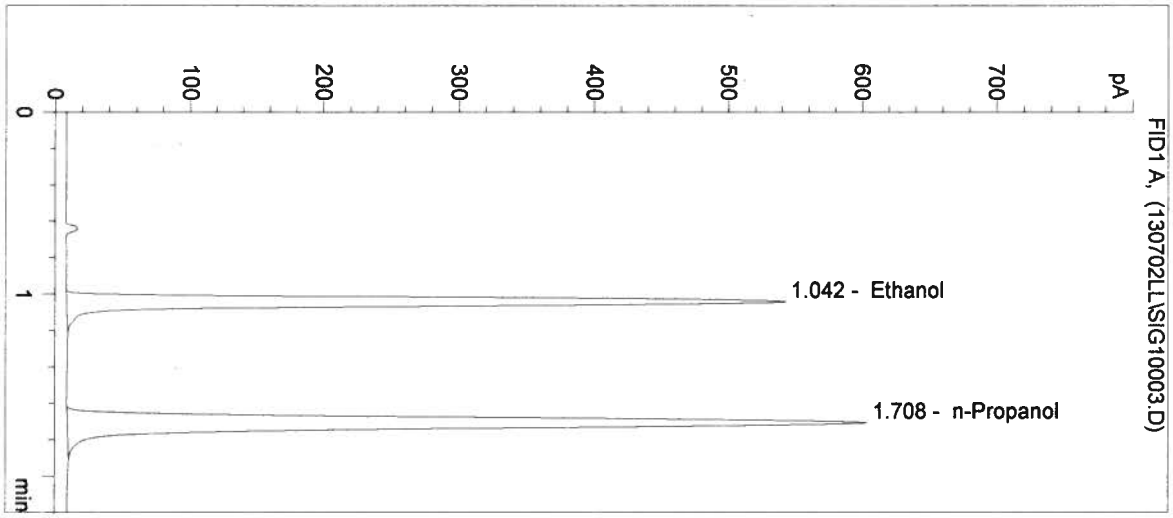
13029
13031
13032

Data File: C:\HPCHEM\1\DATA\130702LL\SIG10002.D

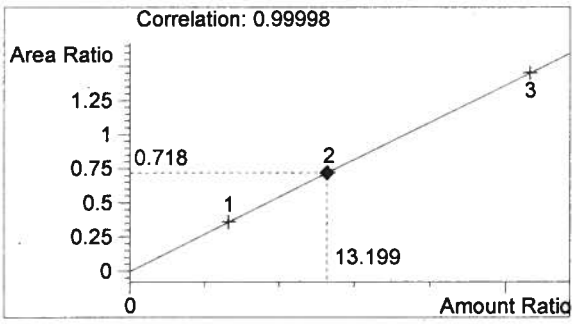
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/2/2013 1:19:22 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

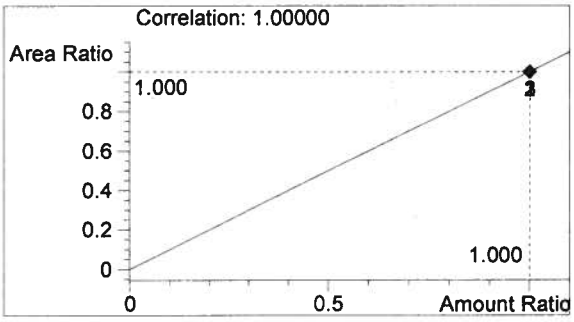
Sample Name: 0.158 CAL 2
Operator: Lyndsey Lowe
Location: Vial 3



#	Compound	Peak Area	RT (min)
1	Ethanol	1704	1.042
2	n-Propanol	2375	1.708



Ethanol 0.158 g/100mL



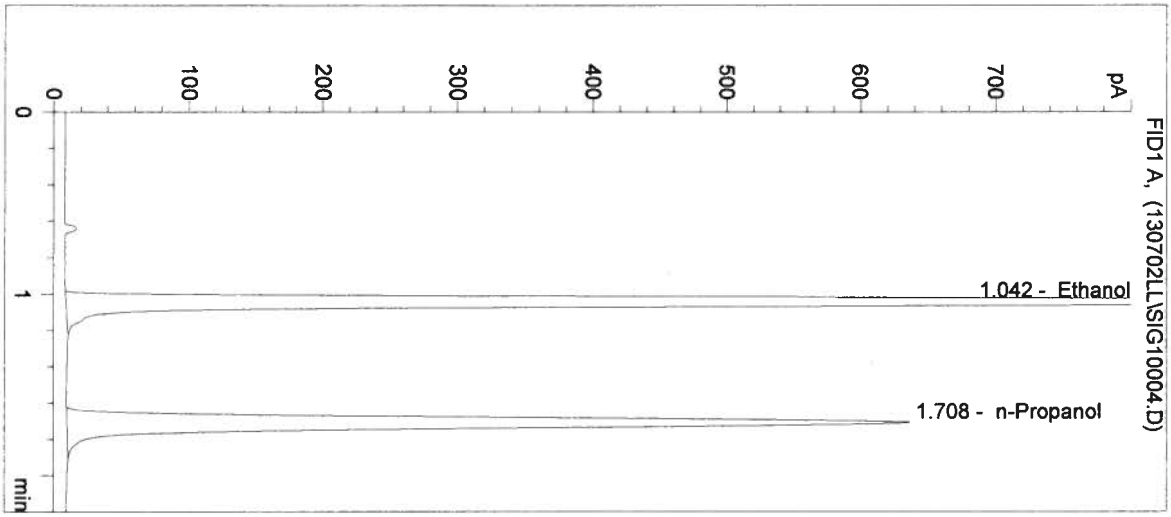
n-Propanol 0.012 g/100mL

13029
13031
13032

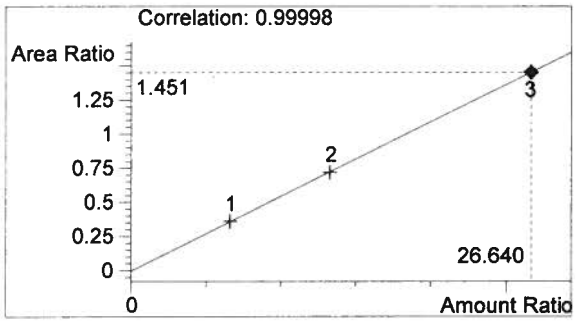
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/2/2013 1:22:27 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

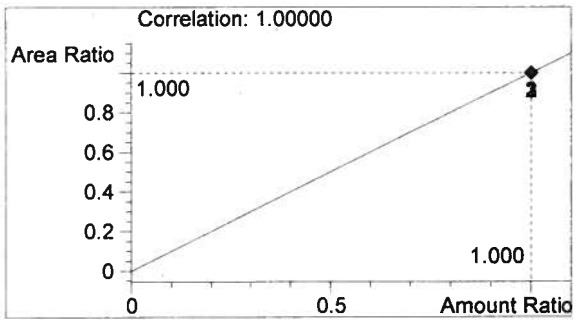
Sample Name: 0.316 CAL 3
Operator: Lyndsey Lowe
Location: Vial 4



#	Compound	Peak Area	RT (min)
1	Ethanol	3632	1.042
2	n-Propanol	2503	1.708



Ethanol 0.320 g/100mL



n-Propanol 0.012 g/100mL

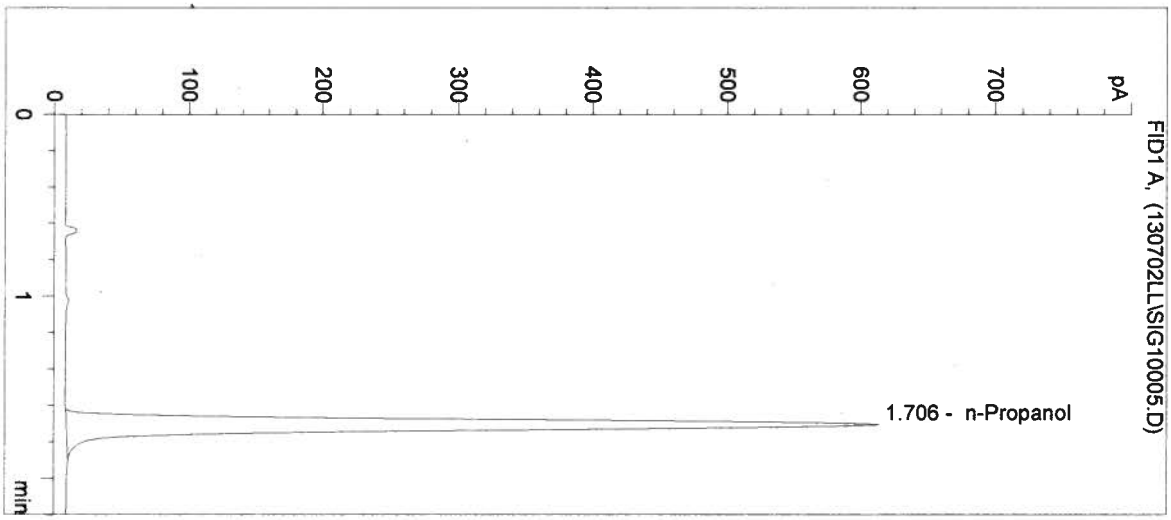
13029
13031
13032

u

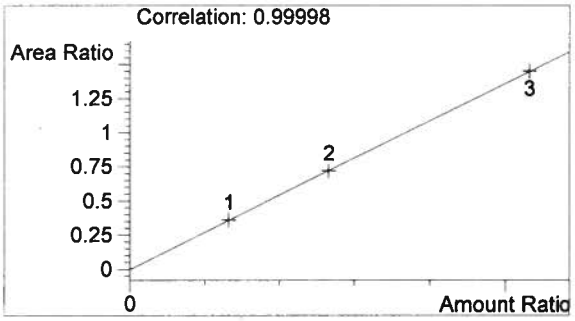
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/2/2013 1:25:32 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

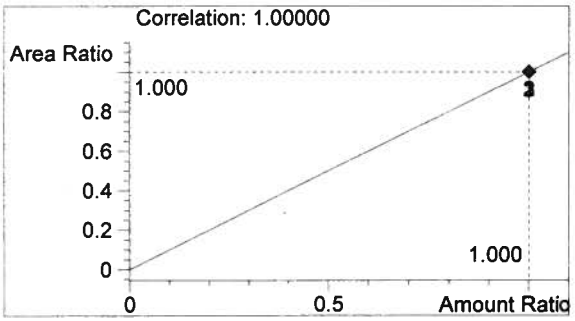
Sample Name: Negative
Operator: Lyndsey Lowe
Location: Vial 5



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2420	1.706



Ethanol 0.000 g/100mL



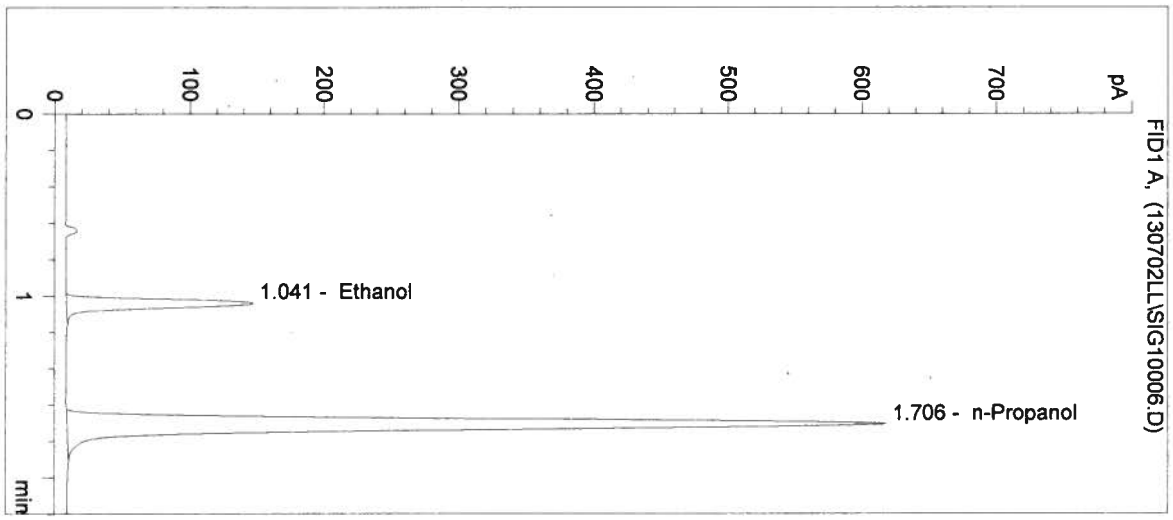
n-Propanol 0.012 g/100mL

13029
13031
13032

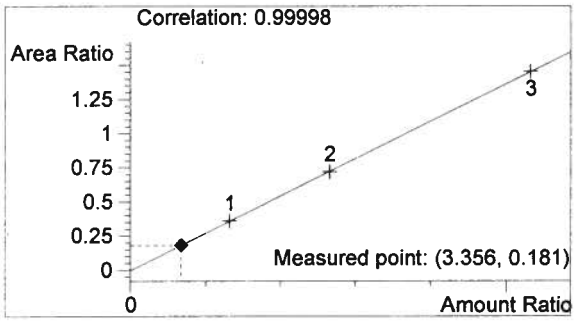
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/2/2013 1:28:36 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

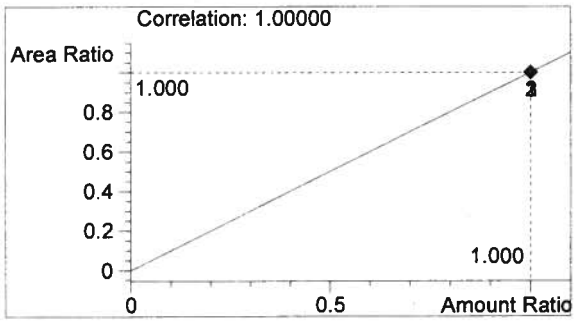
Sample Name: 0.04 Ctrl
Operator: Lyndsey Lowe
Location: Vial 6



#	Compound	Peak Area	RT (min)
1	Ethanol	441	1.041
2	n-Propanol	2442	1.706



Ethanol 0.040 g/100mL



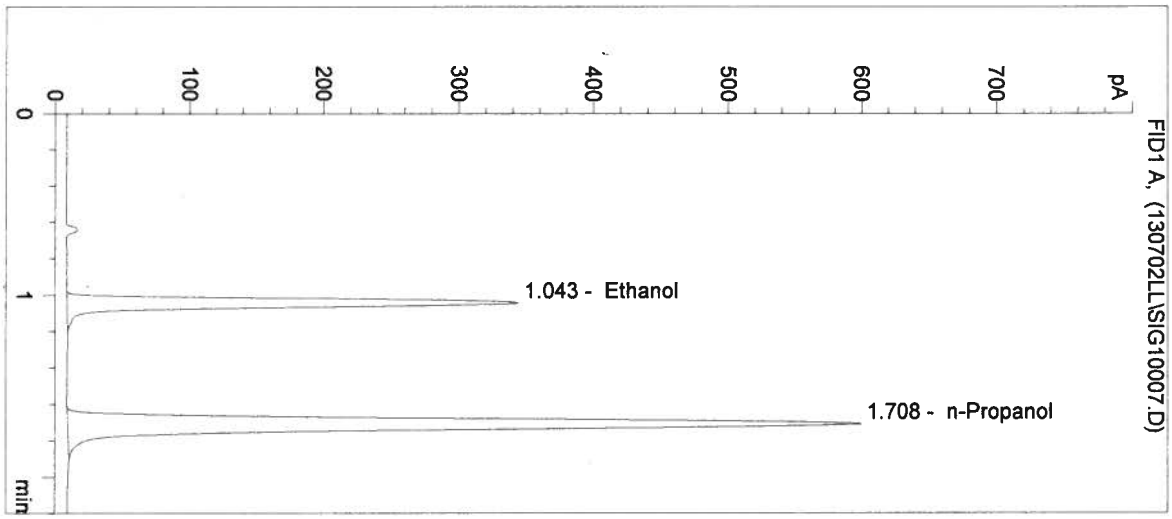
n-Propanol 0.012 g/100mL

13029
13031
13032

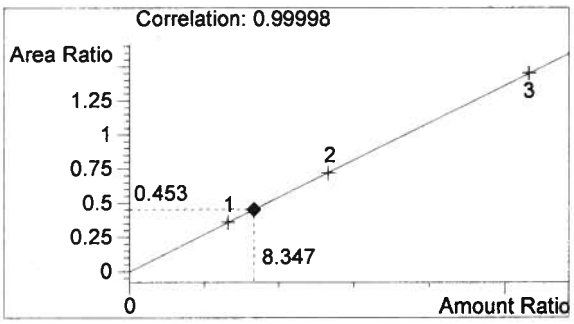
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/2/2013 1:31:41 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

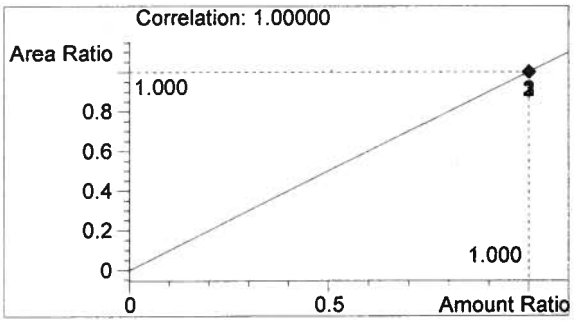
Sample Name: 0.10 Ctrl
Operator: Lyndsey Lowe
Location: Vial 7



#	Compound	Peak Area	RT (min)
1	Ethanol	1069	1.043
2	n-Propanol	2359	1.708



Ethanol 0.100 g/100mL



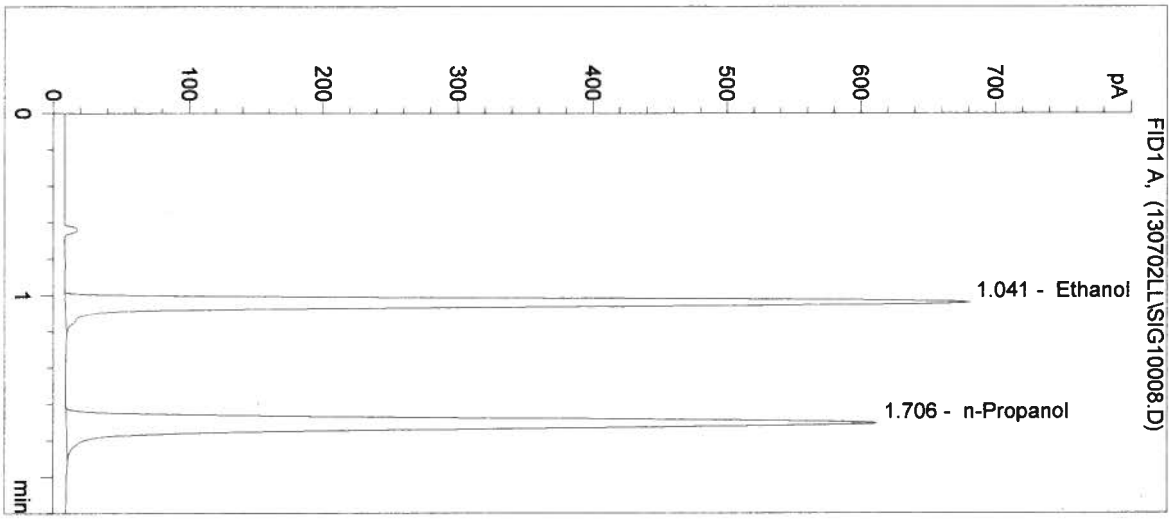
n-Propanol 0.012 g/100mL

13029
13031
13032

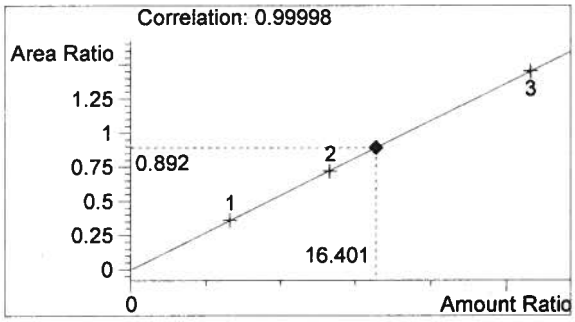
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/2/2013 1:34:46 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

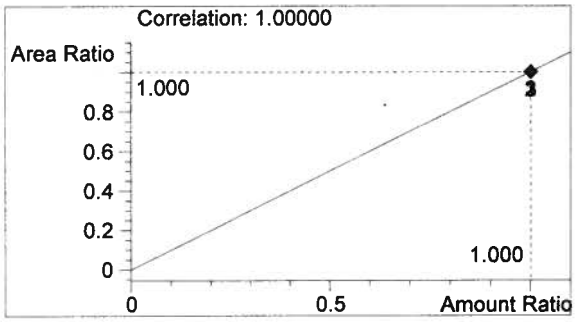
Sample Name: 0.20 Ctrl
Operator: Lyndsey Lowe
Location: Vial 8



#	Compound	Peak Area	RT (min)
1	Ethanol	2152	1.041
2	n-Propanol	2411	1.706



Ethanol 0.197 g/100mL



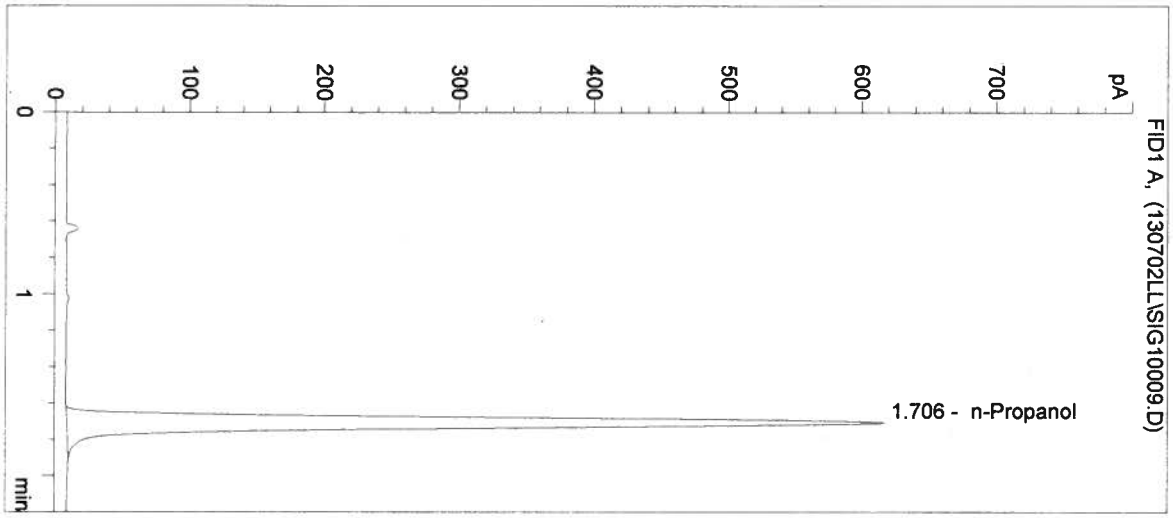
n-Propanol 0.012 g/100mL

13029
13031
13032

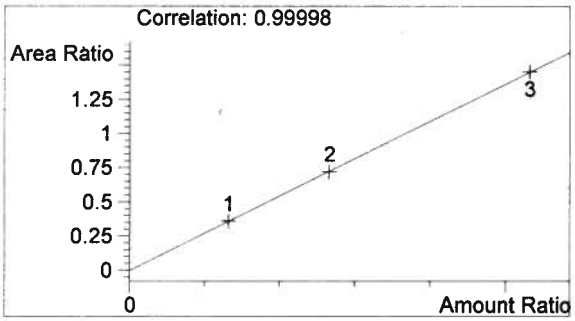
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/2/2013 1:37:50 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

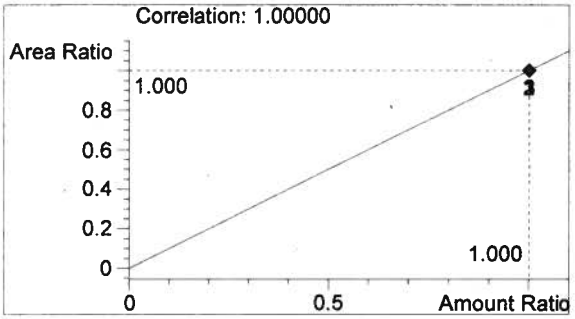
Sample Name: Negative
Operator: Lyndsey Lowe
Location: Vial 9



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2426	1.706



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

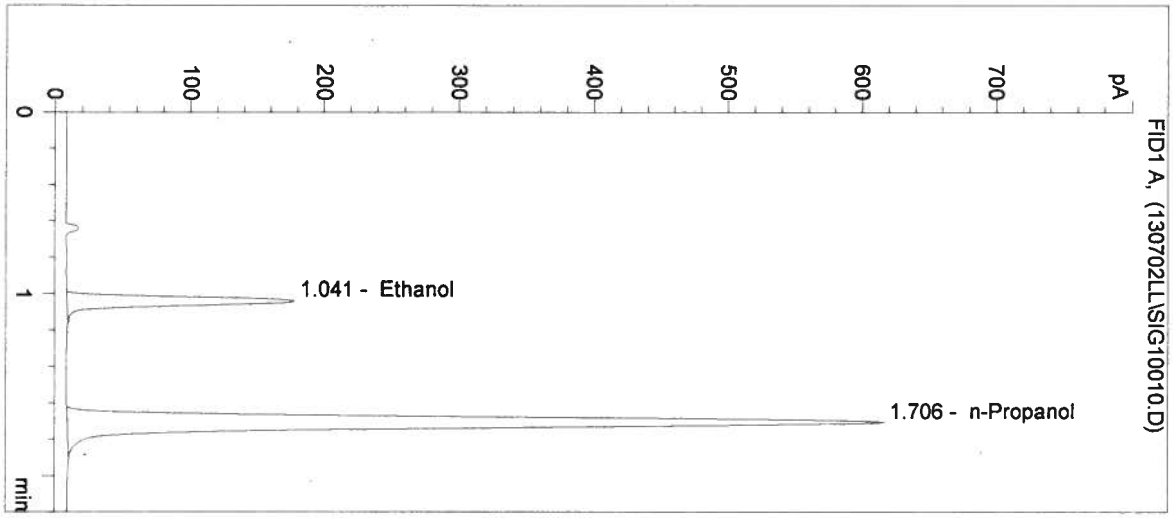
13029
13031
13032

W

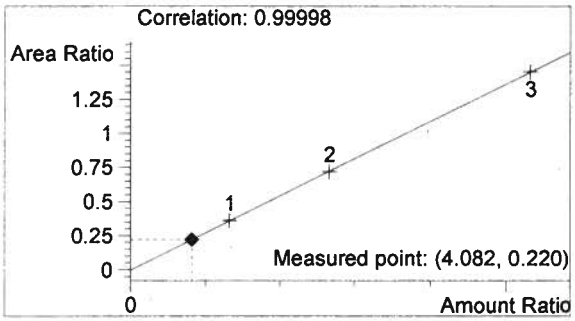
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/2/2013 1:40:55 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

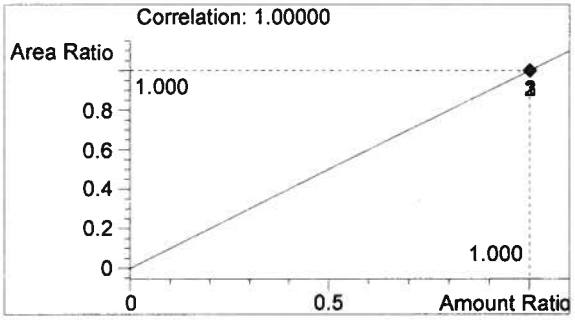
Sample Name: 13032 0.04 #1
Operator: Lyndsey Lowe
Location: Vial 10



#	Compound	Peak Area	RT (min)
1	Ethanol	536	1.041
2	n-Propanol	2433	1.706



Ethanol 0.049 g/100mL

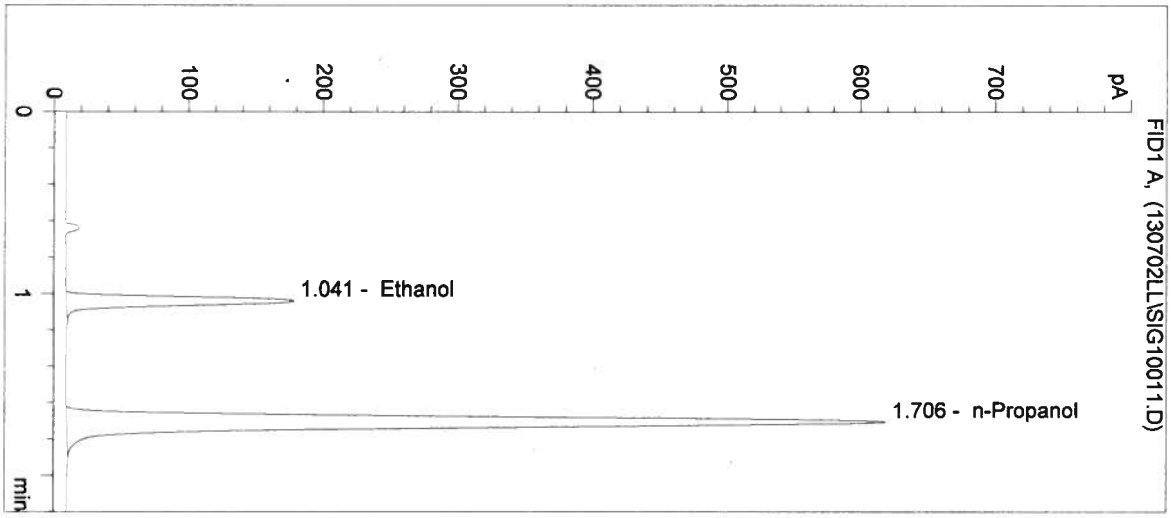


n-Propanol 0.012 g/100mL

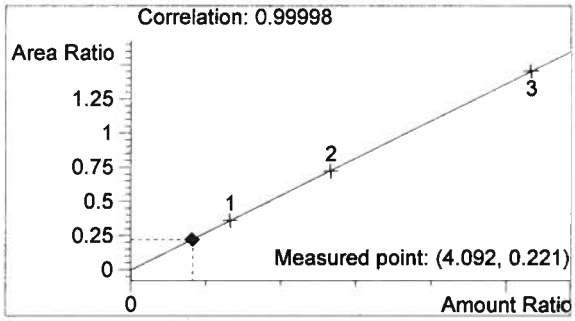
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/2/2013 1:44:00 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

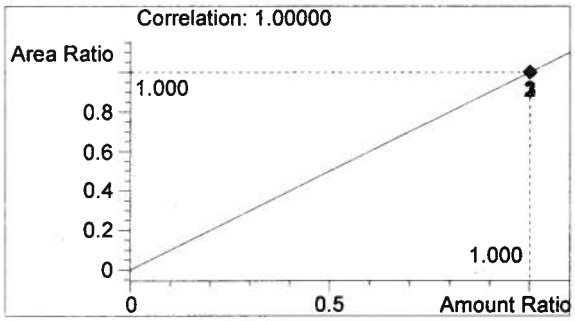
Sample Name: 13032 0.04 #2
Operator: Lyndsey Lowe
Location: Vial 11



#	Compound	Peak Area	RT (min)
1	Ethanol	540	1.041
2	n-Propanol	2445	1.706



Ethanol 0.049 g/100mL

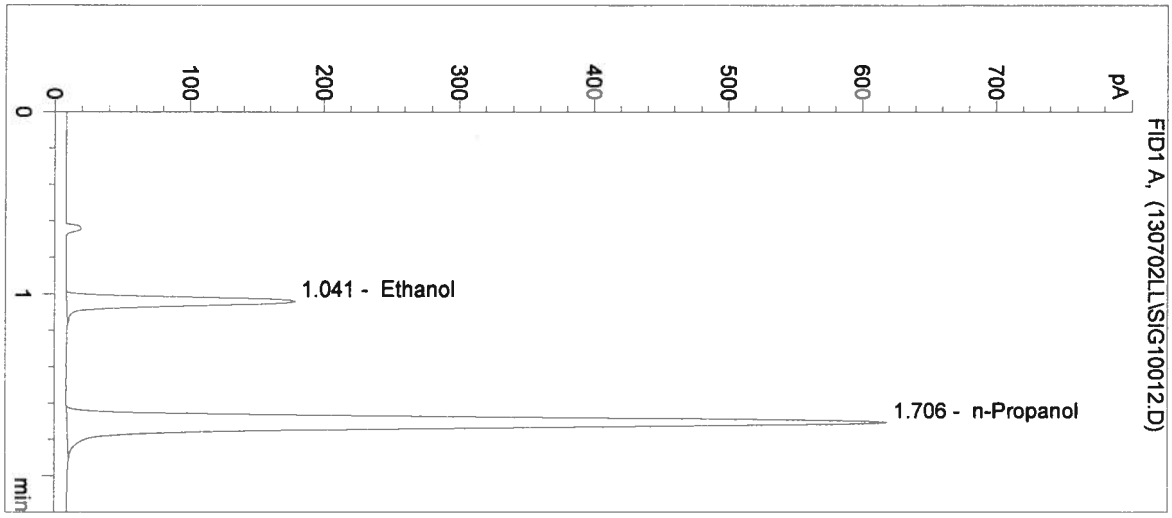


n-Propanol 0.012 g/100mL

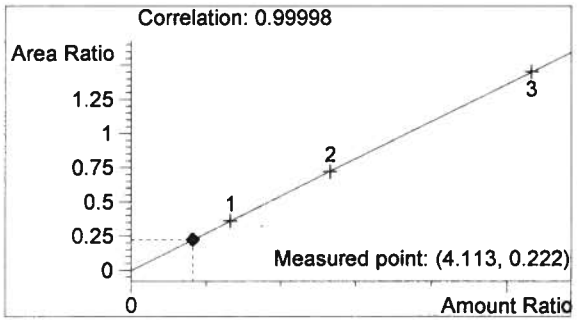
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/2/2013 1:47:05 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

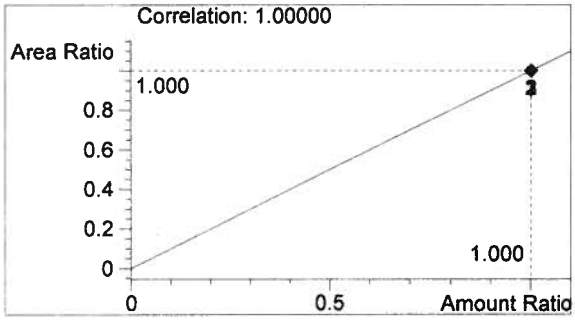
Sample Name: 13032 0.04 #3
Operator: Lyndsey Lowe
Location: Vial 12



#	Compound	Peak Area	RT (min)
1	Ethanol	543	1.041
2	n-Propanol	2447	1.706



Ethanol 0.049 g/100mL

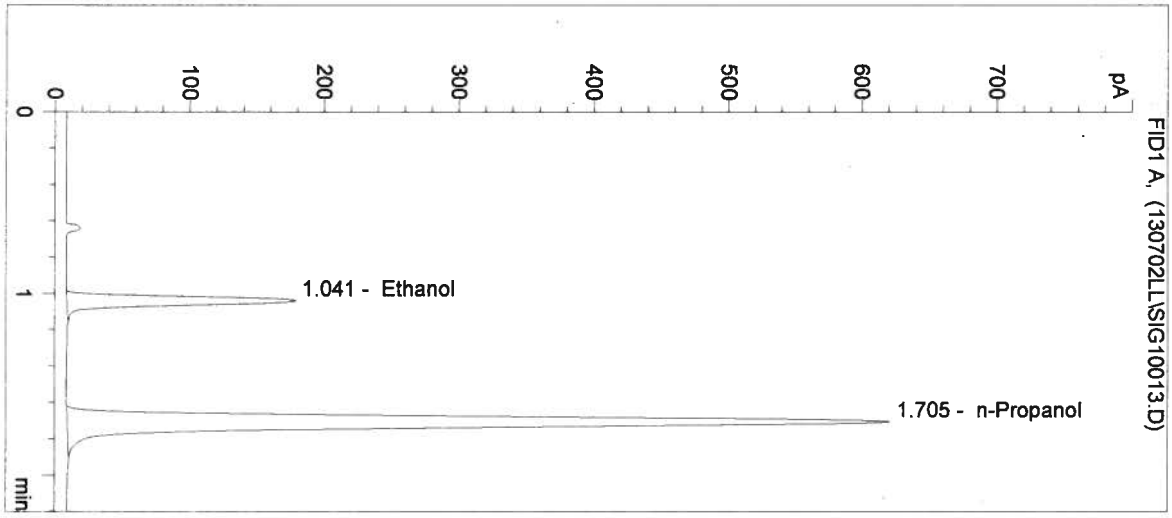


n-Propanol 0.012 g/100mL

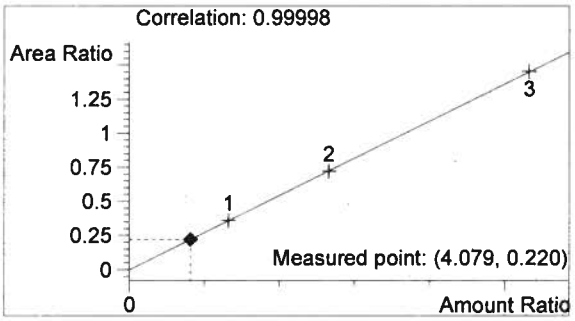
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/2/2013 1:50:09 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

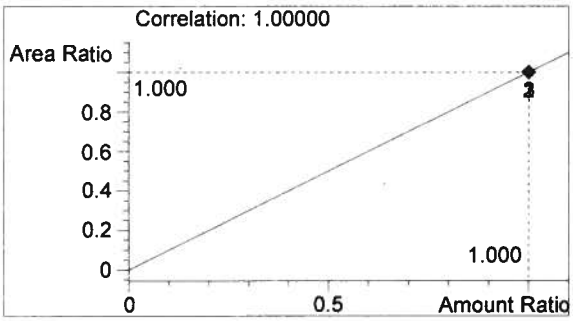
Sample Name: 13032 0.04 #4
Operator: Lyndsey Lowe
Location: Vial 13



#	Compound	Peak Area	RT (min)
1	Ethanol	540	1.041
2	n-Propanol	2453	1.705



Ethanol 0.049 g/100mL

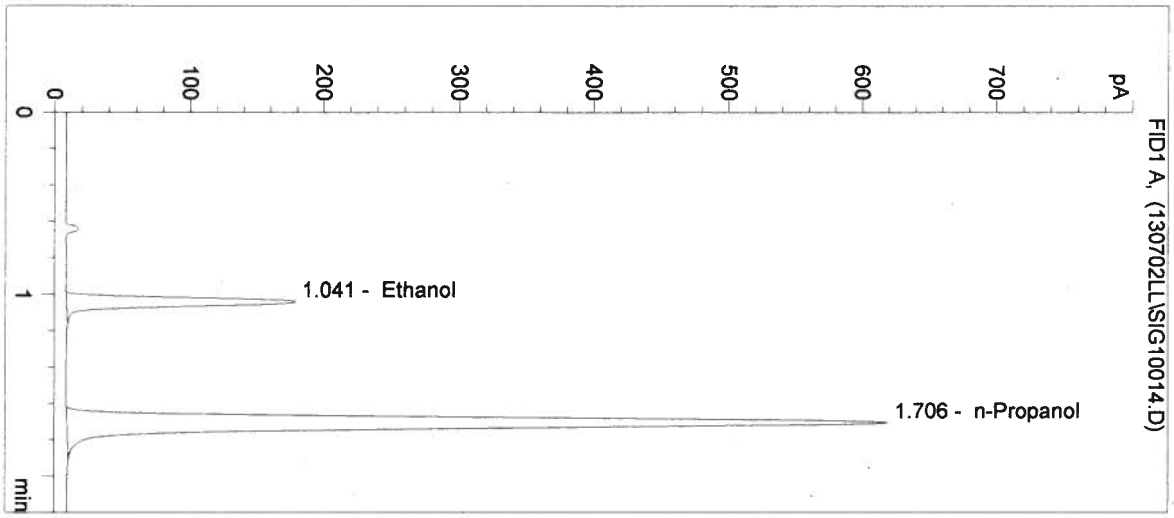


n-Propanol 0.012 g/100mL

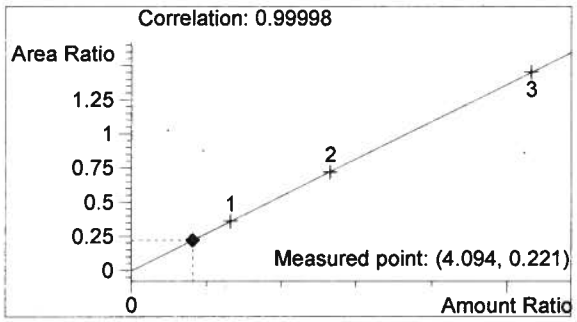
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/2/2013 1:53:14 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

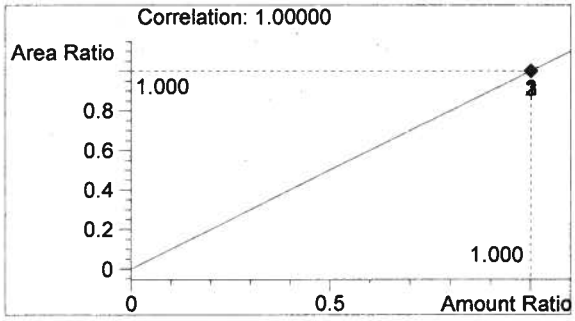
Sample Name: 13032 0.04 #5
Operator: Lyndsey Lowe
Location: Vial 14



#	Compound	Peak Area	RT (min)
1	Ethanol	541	1.041
2	n-Propanol	2448	1.706



Ethanol 0.049 g/100mL



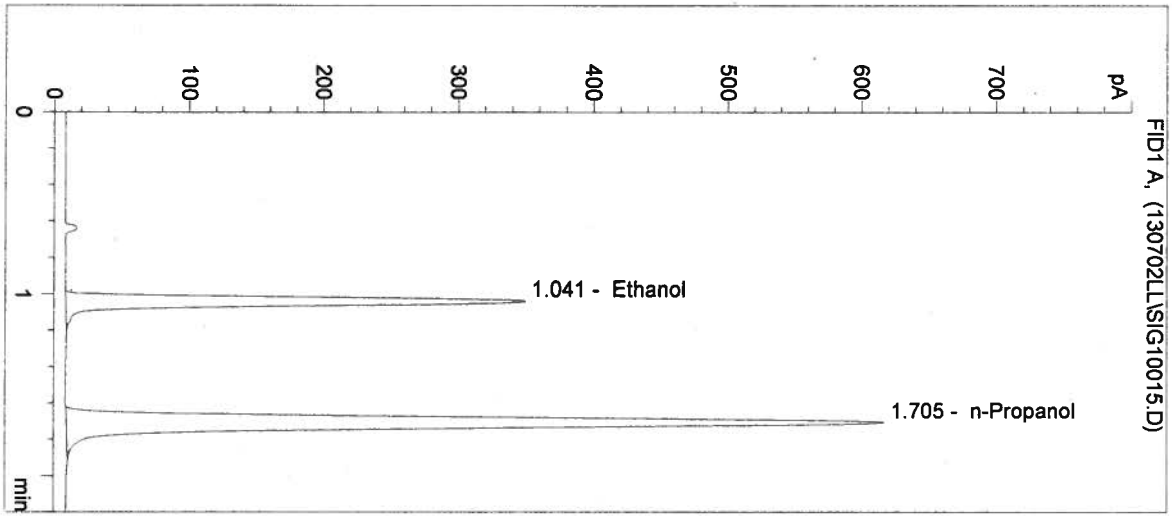
n-Propanol 0.012 g/100mL

W

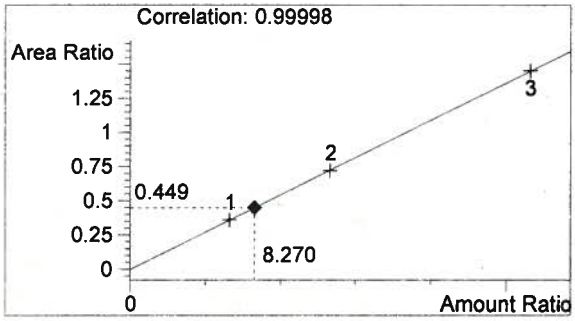
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/2/2013 1:56:19 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

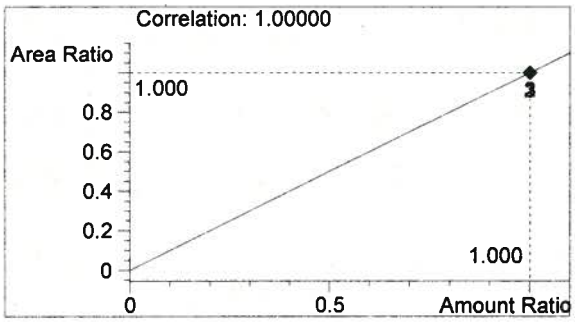
Sample Name: 0.10 Ctrl
Operator: Lyndsey Lowe
Location: Vial 15



#	Compound	Peak Area	RT (min)
1	Ethanol	1095	1.041
2	n-Propanol	2440	1.705



Ethanol 0.099 g/100mL



n-Propanol 0.012 g/100mL

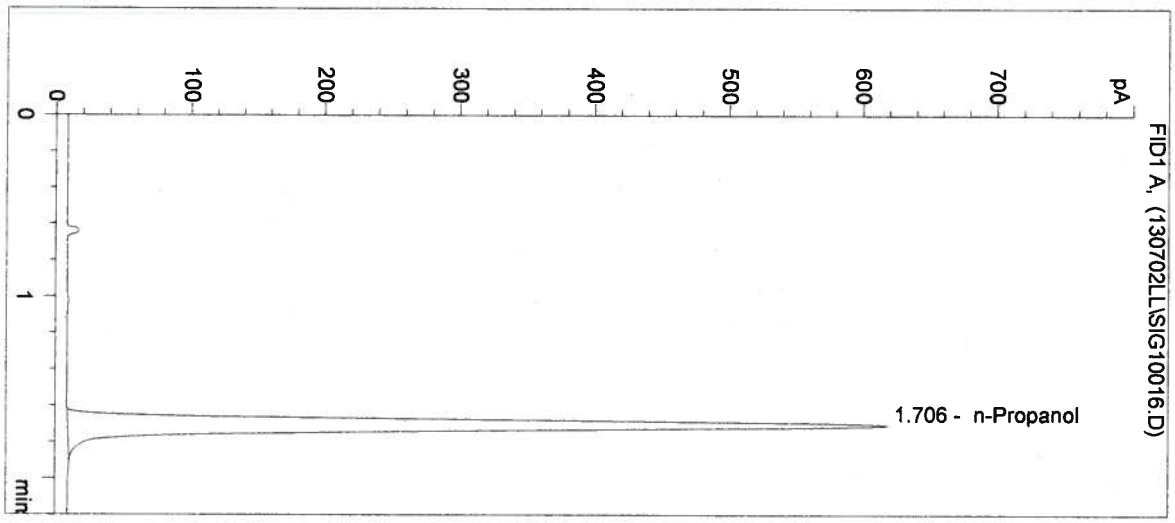
13032

~~13029~~ LB 7.11.13

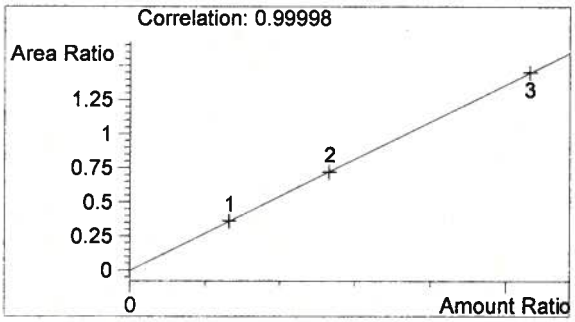
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 7/2/2013 1:59:24 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

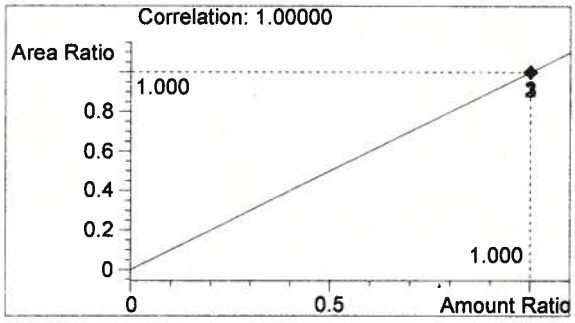
Sample Name: Negative
Operator: Lyndsey Lowe
Location: Vial 16



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2441	1.706



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

13032

~~13029~~ MP 7.11.13

Data File: C:\HPCHEM\1\DATA\130702LL\SIG10016.D