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

AN A2CLA/LAB-International ACCREDITED LABORATORY
SINCE 11/16/2009

QUALITY ASSURANCE PROCEDURE SOLUTION TEST REPORT

BATCH REPORT: 14052

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: 0.20 g/210L
DATE PREPARED: 10/01/2014
BATCH UNITS: g/100mL

IDENTITY: QAP Solution
PREPARED BY: Katie Knorr

	KK	JLK	RF
1	0.253	0.253	0.250
2	0.254	0.253	0.251
3	0.251	0.253	0.251
4	0.253	0.253	0.251
5	0.252	0.254	0.253
C	0.103	0.102	0.102

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

RESULTS OF TESTING
AVERAGE SOLUTION CONCENTRATION: 0.2523 g/100mL
STANDARD DEVIATION: 0.00123
PRECISION CV (%): 0.49
NUMBER OF TESTS: 15

EQUIVALENT VAPOR CONCENTRATION: **0.2051 g/210L**
EXPANDED UNCERTAINTY: ± 0.0046 (k=2, 95.45% confidence interval)

WASHINGTON STATE PATROL – TOXICOLOGY LABORATORY DIVISION

Lisa Noble Forensic Scientist Supervisor — 10/14/14 DATE REPORT ISSUED

THIS TESTING WAS PERFORMED BY:

ANALYST	NAME	SIGNATURE	DATE TESTED
KK	Katie Knorr		10/01/2014
JLK	Justin L. Knoy		10/09/2014
RF	Rebecca Flaherty		10/10/2014

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

QAP Solution Batch #: 14052 **Date Prepared:** 10/1/2014

Analyst:	KK	JLK	RF
Date Tested:	10/1/2014	10/9/2014	10/10/2014
Instrument:	HSGC #1	HSGC #1	HSGC #1
1	0.253	0.253	0.250
2	0.254	0.253	0.251
3	0.251	0.253	0.251
4	0.253	0.253	0.251
5	0.252	0.254	0.253
C	0.103	0.102	0.102

CV^2_{COA}	$CV^2_{QAP\ Solution}$	$CV^2_{Control}$	$CV^2_{Part\ Coef}$
0.0000084100	0.0000015955	0.0000106102	0.0001016326

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

Average Solution Concentration: 0.2523 g/100mL
Standard Deviation: 0.00123 g/100mL
Precision CV (%): 0.49
Equivalent Vapor Concentration: 0.2051 g/210L
Combined Standard Uncertainty (±): 0.0023 g/210L
Expanded Uncertainty (±): 0.0046 coverage factor (k) =2 (95.45% level of confidence)

Calculations performed by: Lisa Noble (Name) Lisa Noble (Signature) 10/13/14 (Date)

Calculations verified by: Amanda M. Black (Name) [signature] (Signature) 10-13-2014 (Date)

Method: Hand calculation

Tech. review performed by: Lisa Noble (Name) Lisa Noble (Signature) 10/13/14 (Date)

Washington State Patrol Toxicology Laboratory Division

SIMULATOR SOLUTION DATA ENTRY REVIEW

Reviewer/s: Amanda M. Black **Date:** 10-13-2014

Location: WSP-FLSB Seattle, WA **Solution Batch Number:** 14052

	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:** 10-13-2014

Reviewer Signature: AB 10-13-14 **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		
Dawn Sklerov		
Justin Knoy	JK	10.13.14
Katie Knorr	KK	10/13/14
Lyndsey Lowe		
Naziha Nuwayhid		
Rebecca Flaherty	RF	10/13/14

Batch # 14052 fm 10/13/14

JAY INSLEE
Governor

JOHN R. BATISTE
Chief

STATE OF WASHINGTON
WASHINGTON STATE PATROL
WASHINGTON STATE TOXICOLOGY LABORATORY
2203 Airport Way South, Suite 360 • Seattle, Washington 98134-2927 • (206) 262-6100 • FAX (206) 262-6145

0.20 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION CERTIFICATION FOR LOT 14052

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 14052, was prepared in the Washington State Toxicology Laboratory on 10/1/2014. 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 10/1/2015.

Seattle, WA

Katie Knorr 10/13/14

Katie Knorr Date

Forensic Toxicologist

JAY INSLEE
Governor

JOHN R. BATISTE
Chief

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WASHINGTON STATE PATROL
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0.20 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION CERTIFICATION FOR LOT 14052

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

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

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

The quality assurance procedure (QAP) solution, Lot Number 14052, was prepared in the Washington State Toxicology Laboratory on 10/1/2014. 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 10/1/2015.

Seattle, WA

10.13.14

Justin L. Knoy — Date

Forensic Toxicologist

JAY INSLEE
Governor

JOHN R. BATISTE
Chief

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0.20 g/210 L QUALITY ASSURANCE PROCEDURE SOLUTION CERTIFICATION FOR LOT 14052

I, Rebecca Flaherty, 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 degrees in Biochemistry and Psychobiology and MS degree in Forensic Science.

The quality assurance procedure (QAP) solution, Lot Number 14052, was prepared in the Washington State Toxicology Laboratory on 10/1/2014. 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 10/1/2015.

Seattle, WA

10/13/2014

Rebecca Flaherty — 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: 10/1/14 Expiration Date: 10/1/15 Initials of Preparer: KK

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

Date the 200-proof Ethanol bottle was opened: 9/29/14

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.

Environmental conditions verified as acceptable: ☑

Simulator Solution	Volume of Ethanol (mL)	Volume of Deionized Water (L)		Batch Number
QAP 0.04	11.2	18	☑	14049
QAP 0.08	22.4	18	☑	14050
QAP 0.10	28.1	18	☐	
QAP 0.15	42.1	18	☑	14051
QAP 0.20	56.1	18	☑	14052
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 ☑ 10/1/14 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

10/1/14
Date

Sequence: C:\HPCHEM\1\SEQUENCE\KKQAP.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\1\DATA\
Data Subdirectory:	141001KK
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment: KK 10/13/14

CAL 1 (0.079g/100mL) - LOT# E0814-01 - EXP 2/19/2015
CAL 2 (0.158g/100mL) - LOT# E0814-02 - EXP 2/19/2015
CAL 3 (0.316g/100mL) - LOT# E0814-03 - EXP 2/19/2015
n-Propanol ISTD - LOT# P0814 - 10/30/2014
CTRL 1 (0.04g/100mL) - LOT# FN05011301 - EXP 05/2018
CTRL 2 (0.10g/100mL) - LOT# FN08051301 - EXP 10/2018
CTRL 3 (0.20g/100mL) - LOT# FN03211401 - EXP 06/2019

Calibration filed with batch 14049 JH 10/13/14

14052
JH 10/13/14

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	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	14049-1	SIMALC1	1	Sample		
11	Vial 11	14049-2	SIMALC1	1	Sample		
12	Vial 12	14049-3	SIMALC1	1	Sample		
13	Vial 13	14049-4	SIMALC1	1	Sample		
14	Vial 14	~~14-049-5~~ 14049-5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL KK	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL 10/13/14	SIMALC1	1	Ctrl Samp		
17	Vial 17	14050-1	SIMALC1	1	Sample		
18	Vial 18	14050-~~1~~2 KK	SIMALC1	1	Sample		
19	Vial 19	14050-3 10/13/14	SIMALC1	1	Sample		
20	Vial 20	14050-4	SIMALC1	1	Sample		
21	Vial 21	14050-5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		
24	Vial 24	14051-1	SIMALC1	1	Sample		
25	Vial 25	14051-2	SIMALC1	1	Sample		
26	Vial 26	14051-3	SIMALC1	1	Sample		
27	Vial 27	14051-4	SIMALC1	1	Sample		
28	Vial 28	14051-5	SIMALC1	1	Sample		

JH

KK

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

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
29	Vial 29	0.10CTRL	SIMALC1	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC1	1	Ctrl Samp		
31	Vial 31	14052-1	SIMALC1	1	Sample		
32	Vial 32	14052-2	SIMALC1	1	Sample		
33	Vial 33	14052-3	SIMALC1	1	Sample		
34	Vial 34	14052-4	SIMALC1	1	Sample		
35	Vial 35	14052-5	SIMALC1	1	Sample		
36	Vial 36	0.10 CTRL	SIMALC1	1	Ctrl Samp		
37	Vial 37	NEG CTRL	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!

14052
10/13/14

KK

Washington State Patrol Toxicology Laboratory
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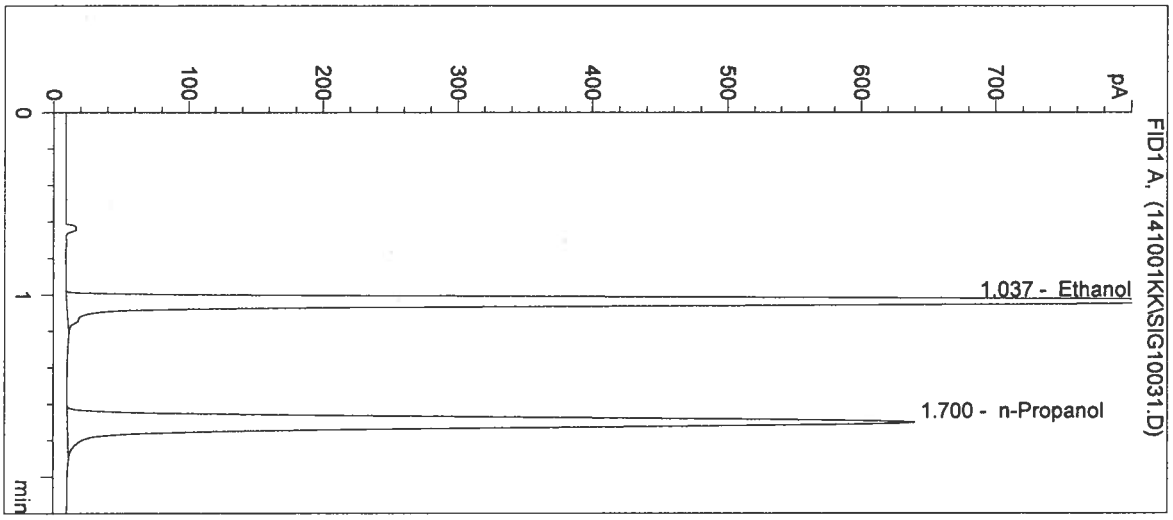
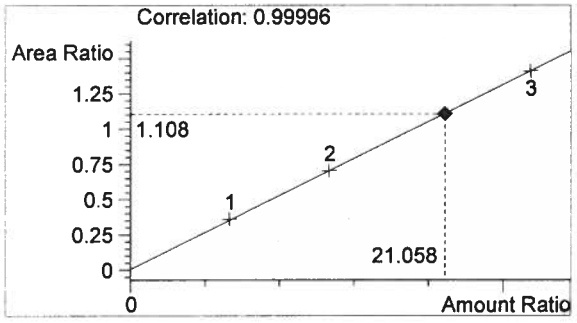
Inj. Date: 10/1/2014 2:13:39 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

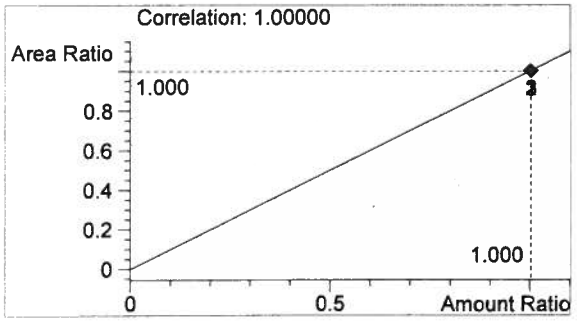
Sample Name: 14052-1
Operator: Katie Knorr
Location: Vial 31



#	Compound	Peak Area	RT (min)
1	Ethanol	2748	1.037
2	n-Propanol	2480	1.700



Ethanol 0.253 g/100mL



n-Propanol 0.012 g/100mL

Data File: C:\HPCHEM\1\DATA\141001KK\SIG10031.D

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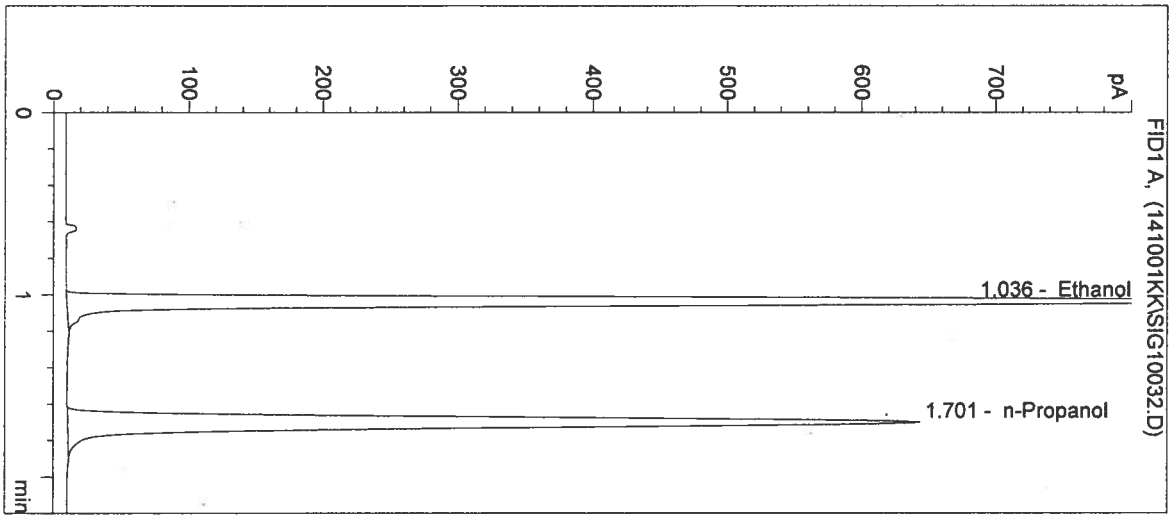
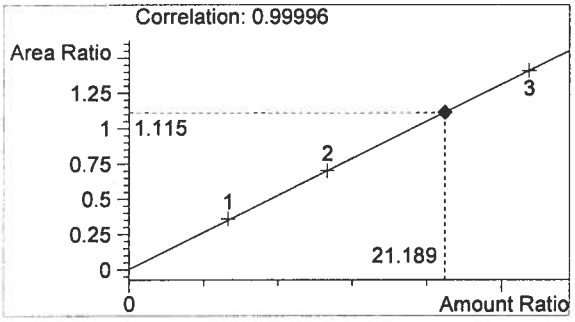
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/1/2014 2:16:52 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

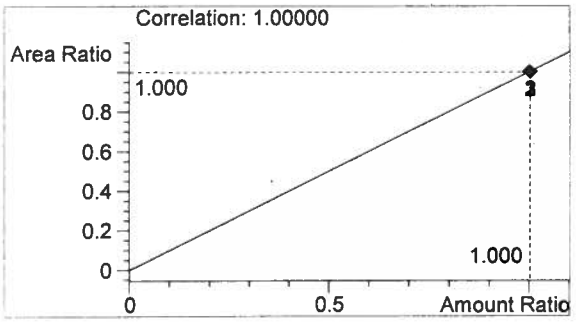
Sample Name: 14052-2
Operator: Katie Knorr
Location: Vial 32



#	Compound	Peak Area	RT (min)
1	Ethanol	2776	1.036
2	n-Propanol	2490	1.701



Ethanol 0.254 g/100mL



n-Propanol 0.012 g/100mL

KK

Washington State Patrol Toxicology Laboratory
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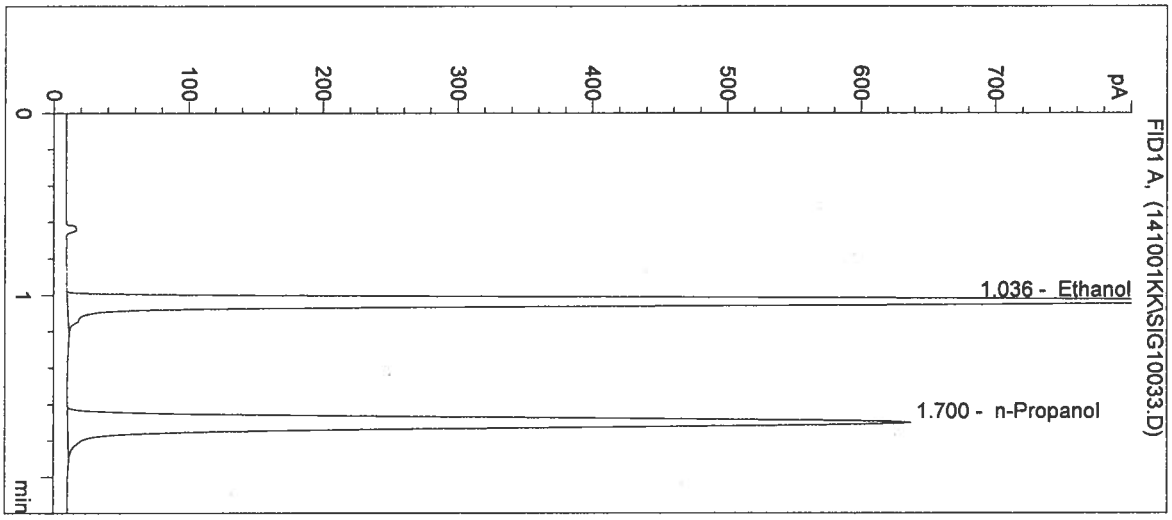
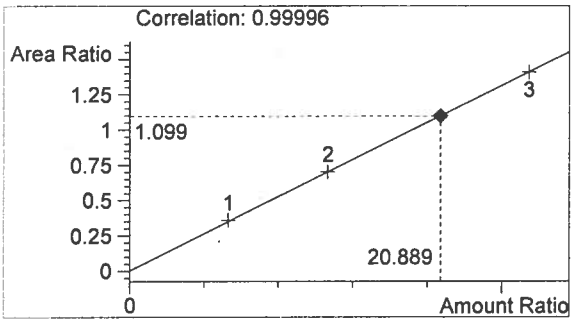
Inj. Date: 10/1/2014 2:20:06 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

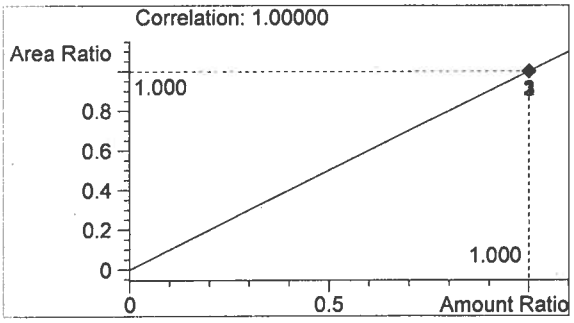
Sample Name: 14052-3
Operator: Katie Knorr
Location: Vial 33



#	Compound	Peak Area	RT (min)
1	Ethanol	2708	1.036
2	n-Propanol	2463	1.700



Ethanol 0.251 g/100mL



n-Propanol 0.012 g/100mL

KK

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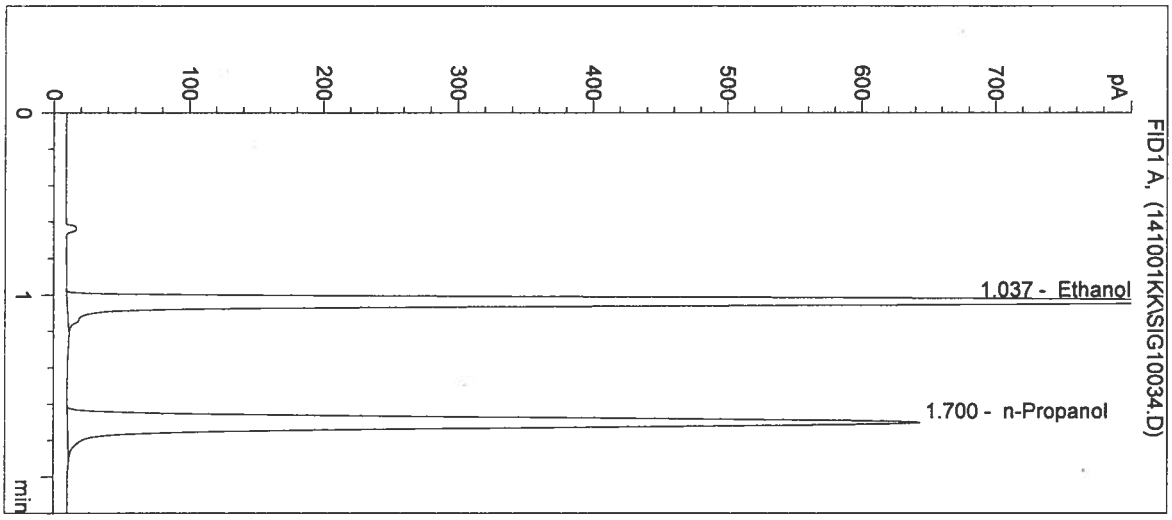
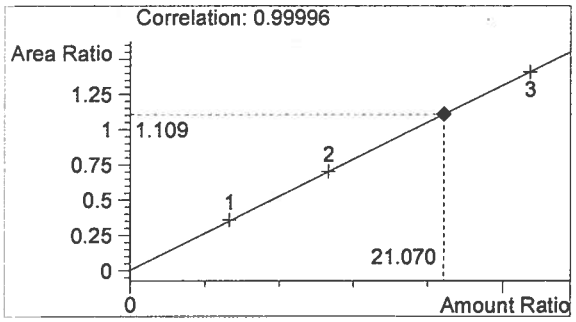
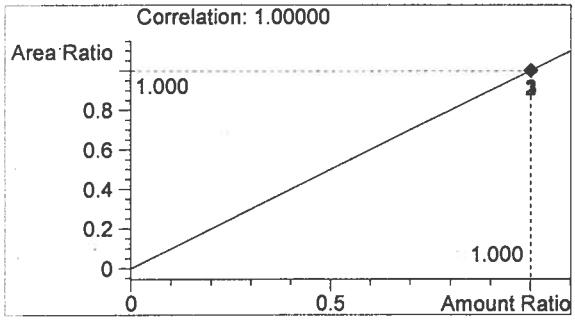
Inj. Date: 10/1/2014 2:23:20 PM Sample Name: 14052-4
Instrument: HSGC#1 Operator: Katie Knorr
Column: DB-ALC1 Location: Vial 34
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:



#	Compound	Peak Area	RT (min)
1	Ethanol	2755	1.037
2	n-Propanol	2485	1.700



Ethanol 0.253 g/100mL



n-Propanol 0.012 g/100mL

KK

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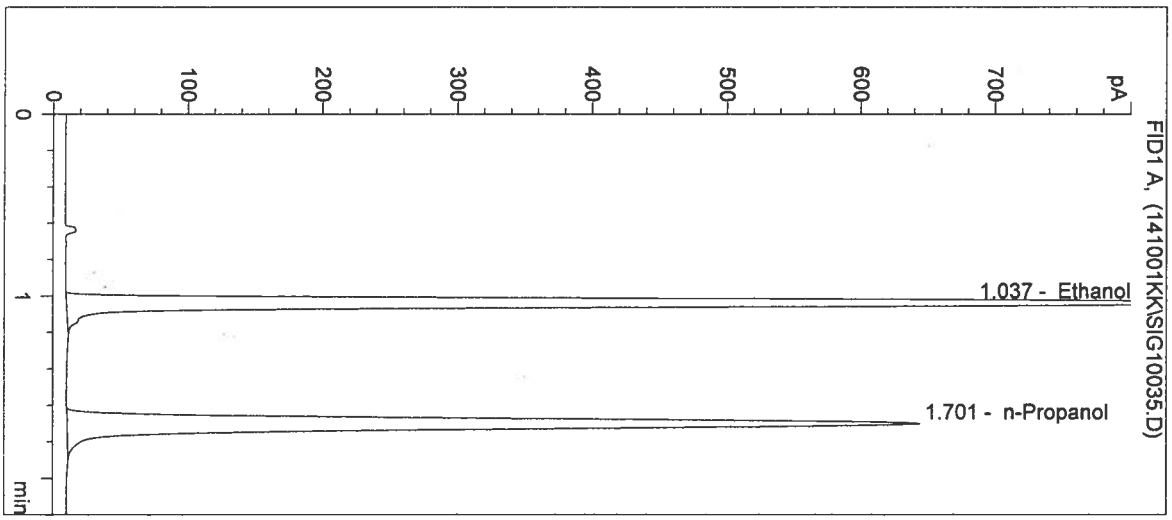
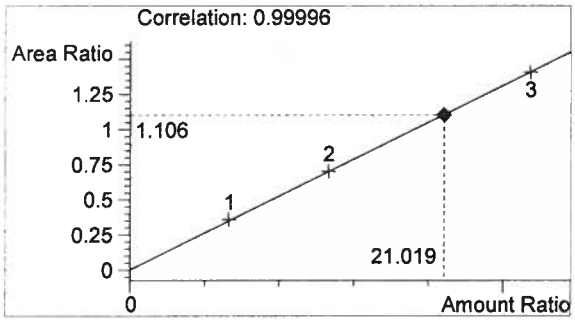
Inj. Date: 10/1/2014 2:26:32 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

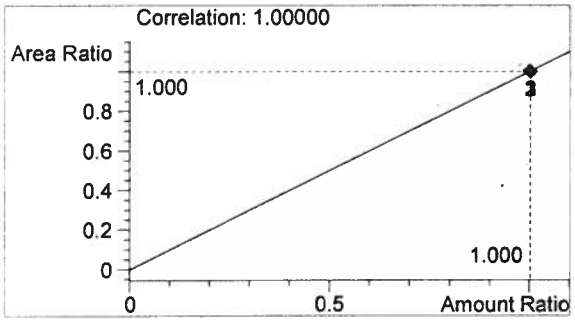
Sample Name: 14052-5
Operator: Katie Knorr
Location: Vial 35



#	Compound	Peak Area	RT (min)
1	Ethanol	2752	1.037
2	n-Propanol	2488	1.701



Ethanol 0.252 g/100mL



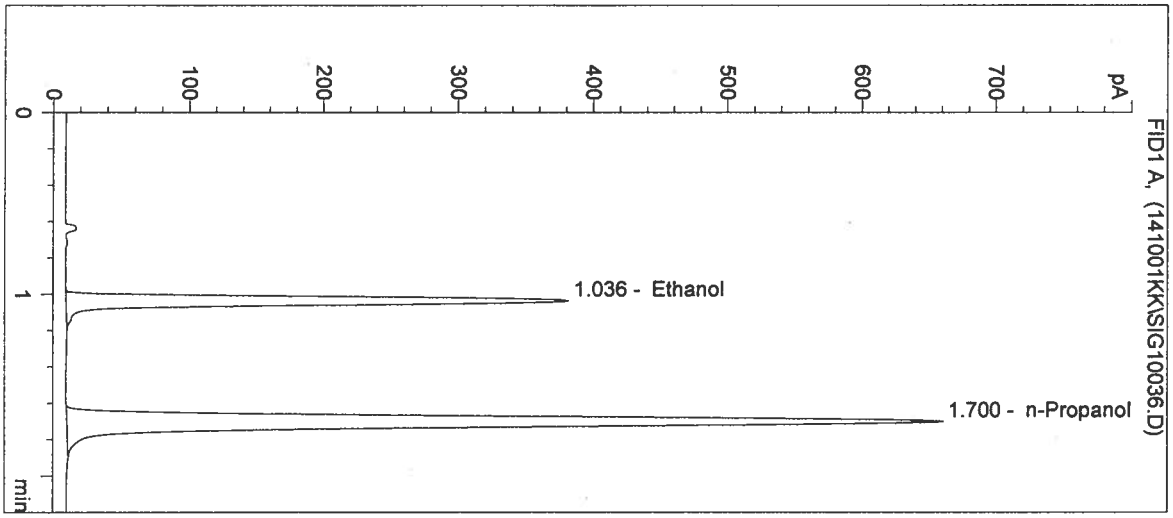
n-Propanol 0.012 g/100mL

KK

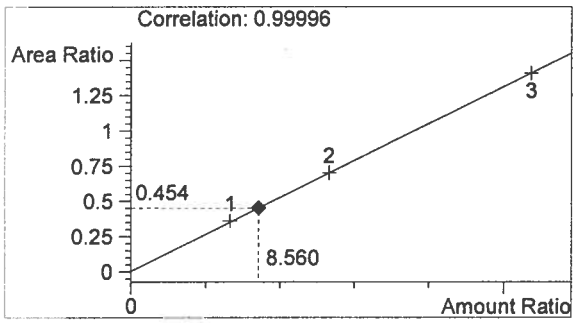
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/1/2014 2:29:45 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

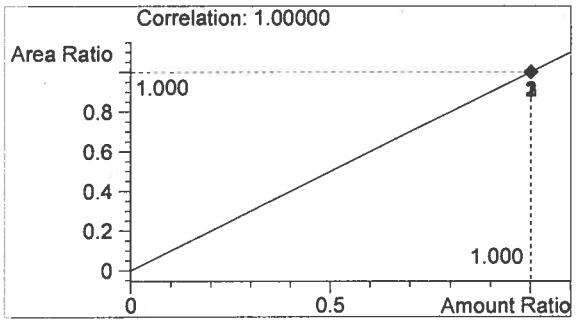
Sample Name: 0.10 CTRL
Operator: Katie Knorr
Location: Vial 36



#	Compound	Peak Area	RT (min)
1	Ethanol	1159	1.036
2	n-Propanol	2555	1.700



Ethanol 0.103 g/100mL



n-Propanol 0.012 g/100mL

14052
JH 10/13/14

JH

Data File: C:\HPCHEM\1\DATA\141001KK\SIG10036.D

KK

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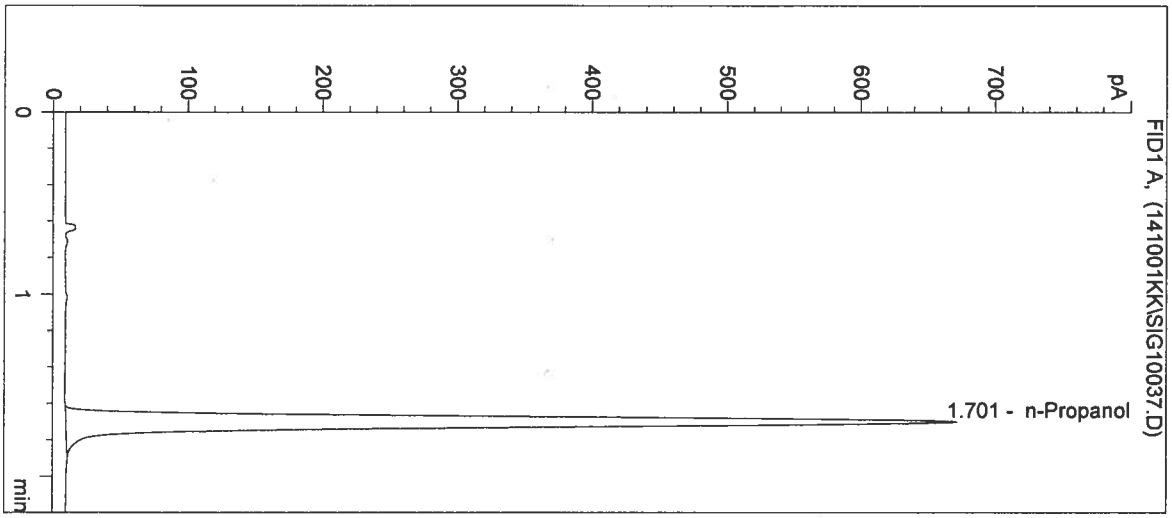
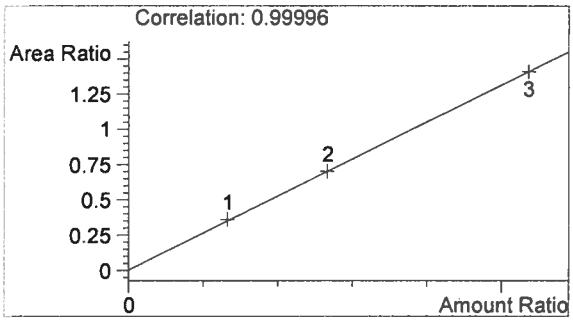
Inj. Date: 10/1/2014 2:33:00 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

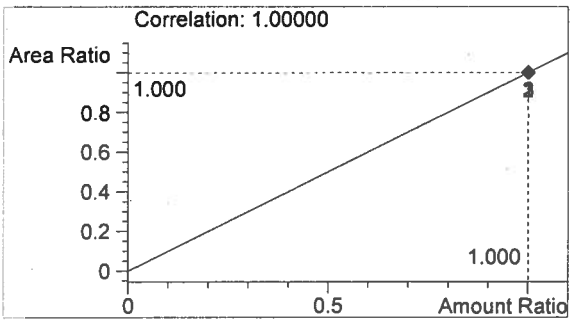
Sample Name: NEG CTRL
Operator: Katie Knorr
Location: Vial 37



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2597	1.701



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL

14052
10/13/14

Data File: C:\HPCHEM\1\DATA\141001KK\SIG10037.D

KK

Sequence: C:\HPCHEM\1\SEQUENCE\JKQARUN1.S

Sequence Parameters:

Operator:	Justin Knoy
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\1\DATA\
Data Subdirectory:	141009JK
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E0814-01 - Exp. 02/19/2015
Ethanol Calibrator 2, E0814-02 - Exp. 02/19/2015
Ethanol Calibrator 3, E0814-03 - Exp. 02/19/2015
CTRL1 (0.04g/100mL), Lot # FN05011301 - Exp. 05/2018
CTRL2 (0.10g/100mL), Lot # FN08051301 - Exp. 10/2018
CTRL3 (0.20g/100mL), Lot # FN03211401 - Exp. 06/2019

Internal Standard Lot#P0914 - Exp. 12/29/14

Calibration filed with batch 14049 JK 10/13/14

14052

JK 10/13/14

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	NEG CTRL JK	SIMALC1	1	Ctrl Samp		
6	Vial 6	0.04 CTRL - JK	SIMALC1	1	Ctrl Samp		
7	Vial 7	0.10 CTRL - JK	SIMALC1	1	Ctrl Samp		
8	Vial 8	0.20 CTRL - JK	SIMALC1	1	Ctrl Samp		
9	Vial 9	NEG CTRL JK	SIMALC1	1	Ctrl Samp		
10	Vial 10	14049-1	SIMALC1	1	Sample		
11	Vial 11	14049-2	SIMALC1	1	Sample		
12	Vial 12	14049-3	SIMALC1	1	Sample		
13	Vial 13	14049-4	SIMALC1	1	Sample		
14	Vial 14	14049-5	SIMALC1	1	Sample		
15	Vial 15	0.10 CTRL JK	SIMALC1	1	Ctrl Samp		
16	Vial 16	NEG CTRL JK	SIMALC1	1	Ctrl Samp		
17	Vial 17	14050-1	SIMALC1	1	Sample		
18	Vial 18	14050-2	SIMALC1	1	Sample		
19	Vial 19	14050-3	SIMALC1	1	Sample		
20	Vial 20	14050-4	SIMALC1	1	Sample		
21	Vial 21	14050-5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL JK	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL JK	SIMALC1	1	Ctrl Samp		
24	Vial 24	14051-1	SIMALC1	1	Sample		
25	Vial 25	14051-2	SIMALC1	1	Sample		
26	Vial 26	14051-3	SIMALC1	1	Sample		
27	Vial 27	14051-4	SIMALC1	1	Sample		

JK

JK

Sequence: C:\HPCHEM\1\SEQUENCE\JKQARUN1.S

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
28	Vial 28	14051-5	SIMALC1	1	Sample		
29	Vial 29	0.10 CTRL JK	SIMALC1	1	Ctrl Samp		
30	Vial 30	NEG CTRL JK	SIMALC1	1	Ctrl Samp		
31	Vial 31	14052-1	SIMALC1	1	Sample		
32	Vial 32	14052-2	SIMALC1	1	Sample		
33	Vial 33	14052-3	SIMALC1	1	Sample		
34	Vial 34	14052-4	SIMALC1	1	Sample		
35	Vial 35	14052-5	SIMALC1	1	Sample		
36	Vial 36	0.10 CTRL JK	SIMALC1	1	Ctrl Samp		
37	Vial 37	NEG CTRL JK	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!

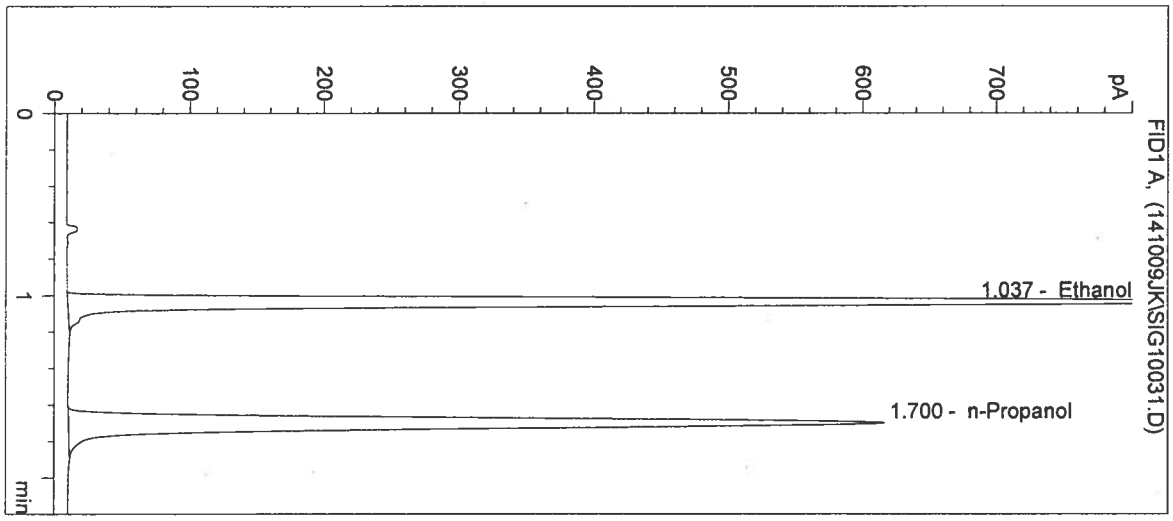
14052

JK 10/13/14

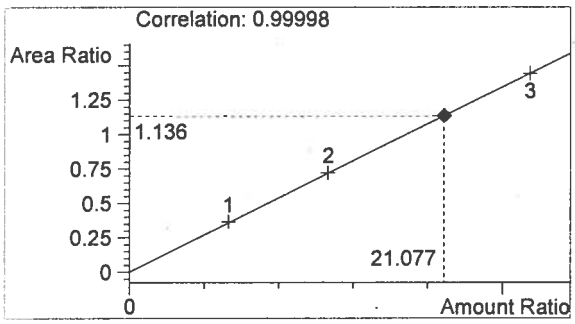
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/9/2014 12:59:31 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

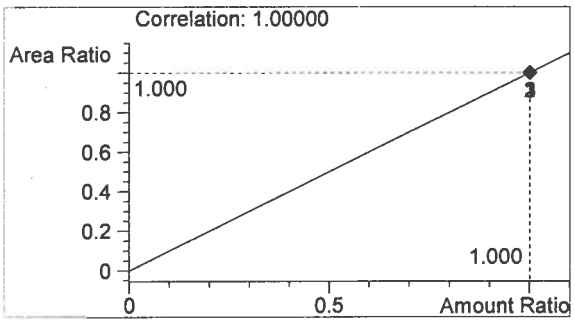
Sample Name: 14052-1
Operator: Justin Knoy
Location: Vial 31



#	Compound	Peak Area	RT (min)
1	Ethanol	2703	1.037
2	n-Propanol	2380	1.700



Ethanol 0.253 g/100mL

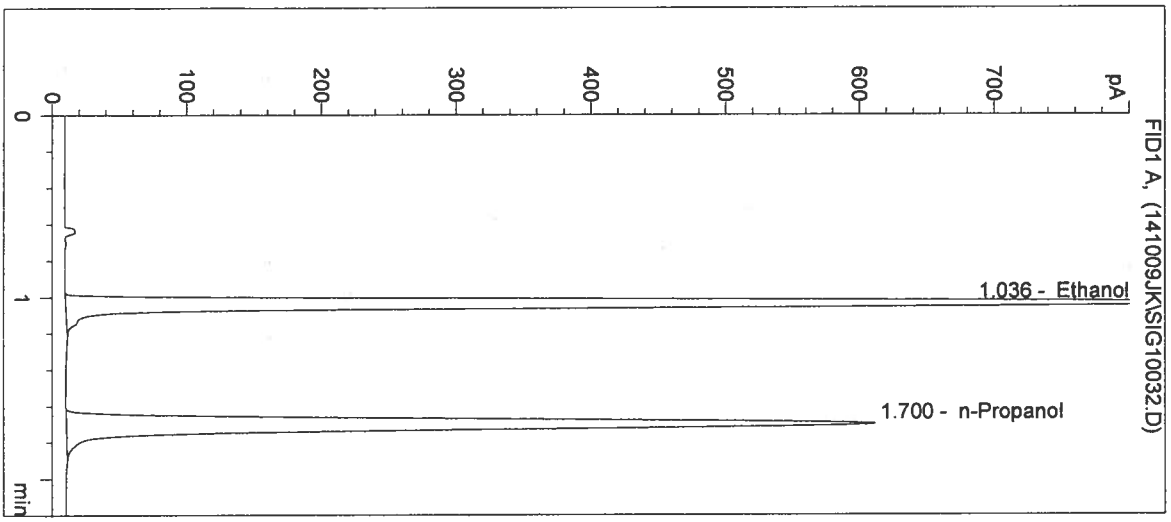


n-Propanol 0.012 g/100mL

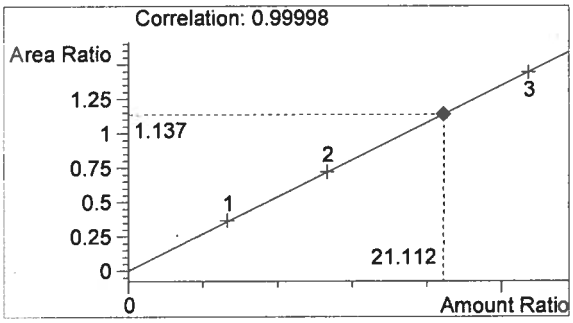
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/9/2014 1:02:44 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

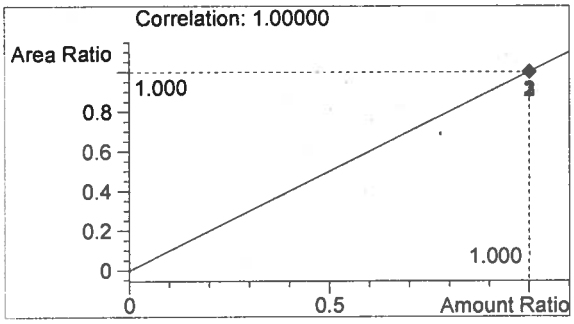
Sample Name: 14052-2
Operator: Justin Knoy
Location: Vial 32



#	Compound	Peak Area	RT (min)
1	Ethanol	2693	1.036
2	n-Propanol	2368	1.700



Ethanol 0.253 g/100mL

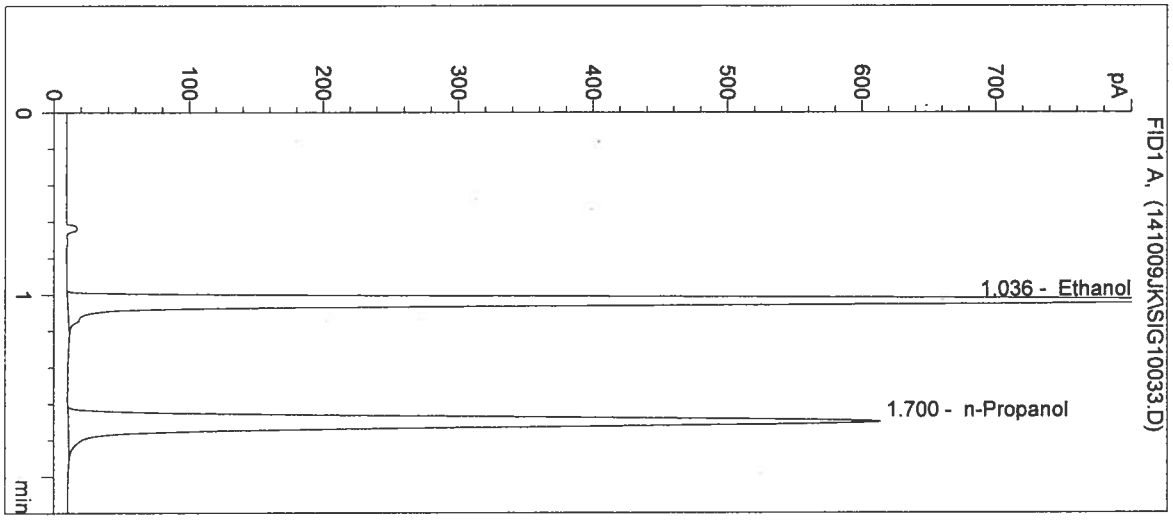


n-Propanol 0.012 g/100mL

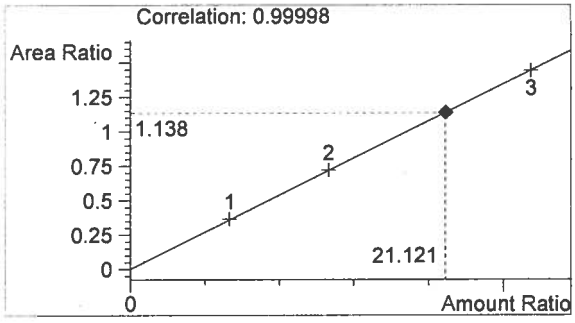
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/9/2014 1:05:57 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

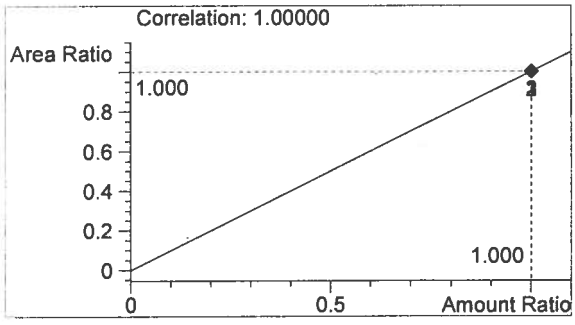
Sample Name: 14052-3
Operator: Justin Knoy
Location: Vial 33



#	Compound	Peak Area	RT (min)
1	Ethanol	2701	1.036
2	n-Propanol	2374	1.700



Ethanol 0.253 g/100mL

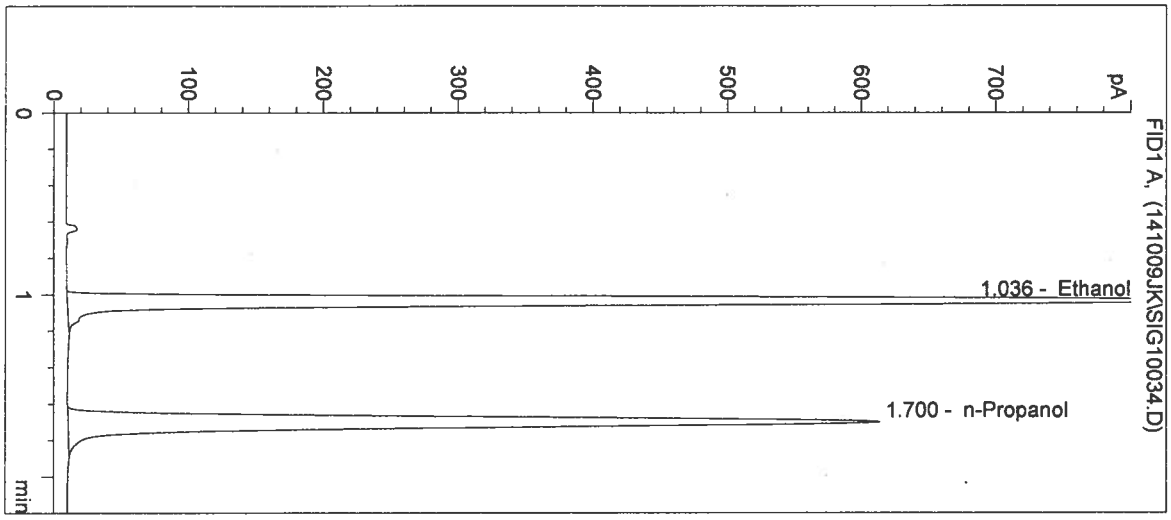


n-Propanol 0.012 g/100mL

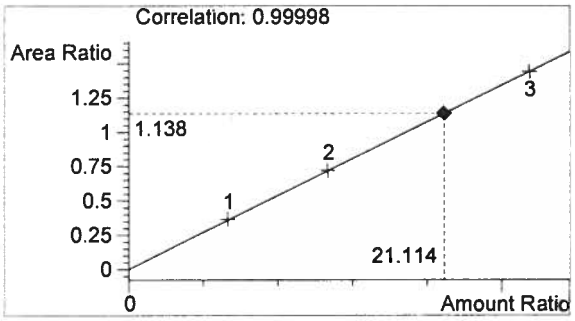
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/9/2014 1:09:11 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

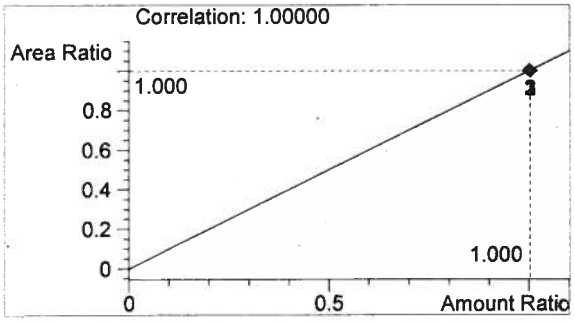
Sample Name: 14052-4
Operator: Justin Knoy
Location: Vial 34



#	Compound	Peak Area	RT (min)
1	Ethanol	2699	1.036
2	n-Propanol	2372	1.700



Ethanol 0.253 g/100mL

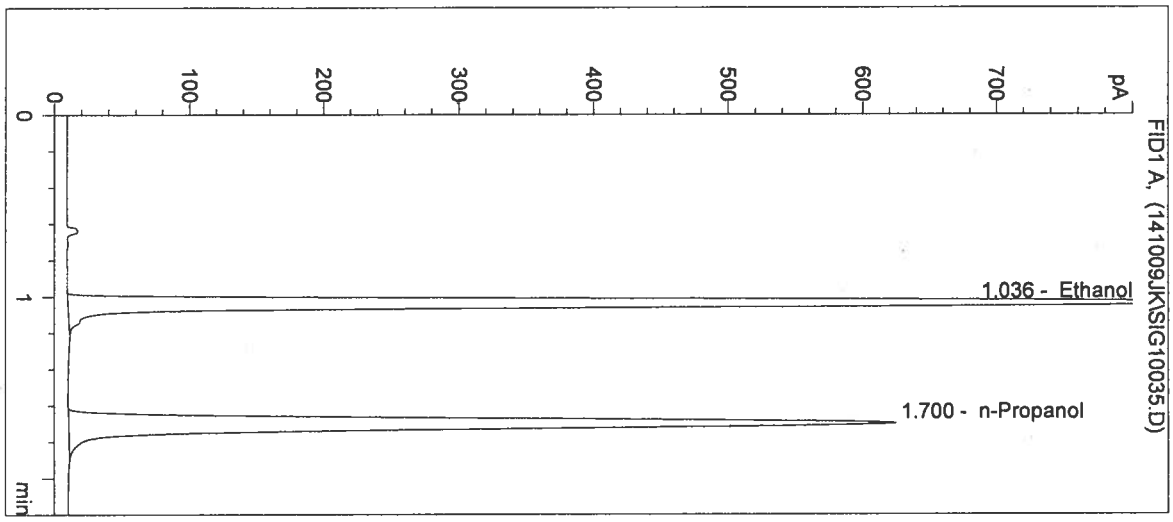


n-Propanol 0.012 g/100mL

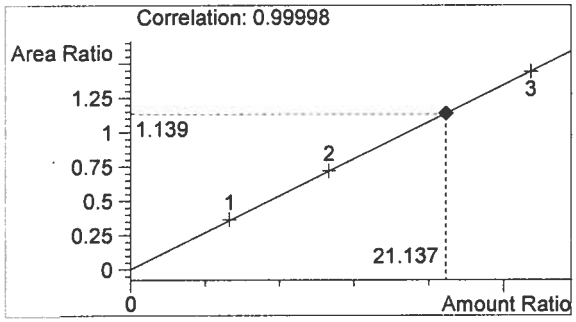
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/9/2014 1:12:24 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

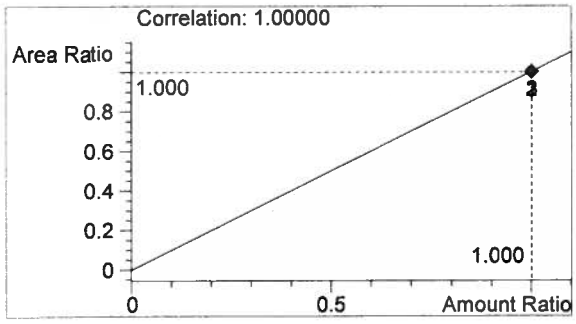
Sample Name: 14052-5
Operator: Justin Knoy
Location: Vial 35



#	Compound	Peak Area	RT (min)
1	Ethanol	2748	1.036
2	n-Propanol	2413	1.700



Ethanol 0.254 g/100mL

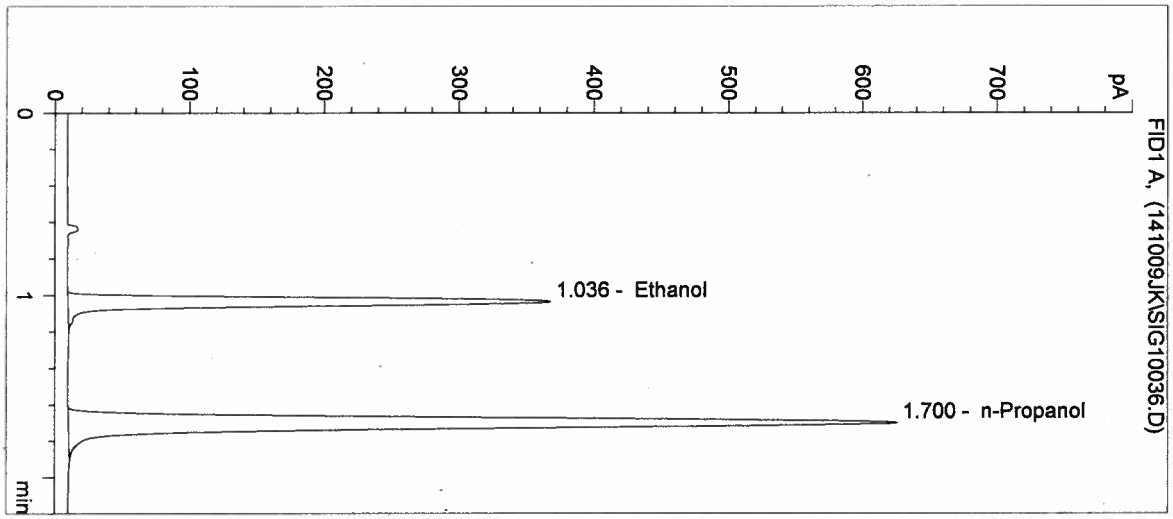


n-Propanol 0.012 g/100mL

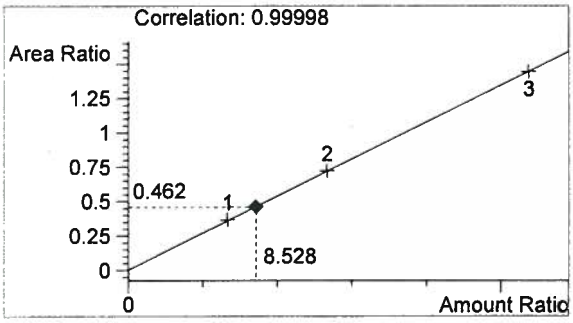
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/9/2014 1:15:37 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

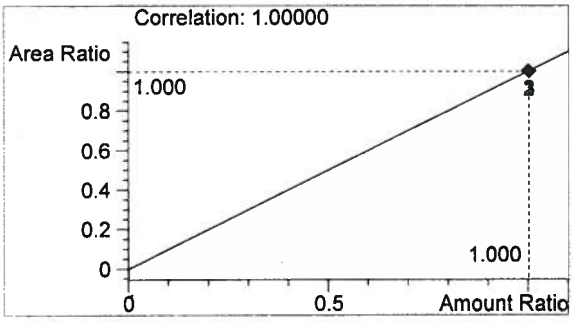
Sample Name: 0.10 CTRL JK
Operator: Justin Knoy
Location: Vial 36



#	Compound	Peak Area	RT (min)
1	Ethanol	1116	1.036
2	n-Propanol	2415	1.700



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

14052

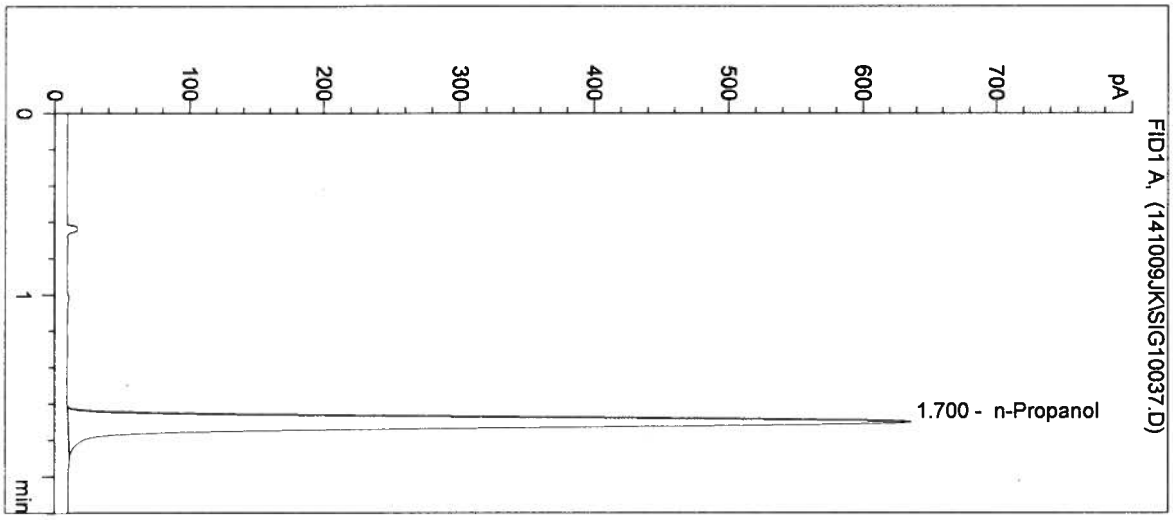
JK 10/13/14

Data File: C:\HPCHEM\1\DATA\141009JK\SIG10036.D

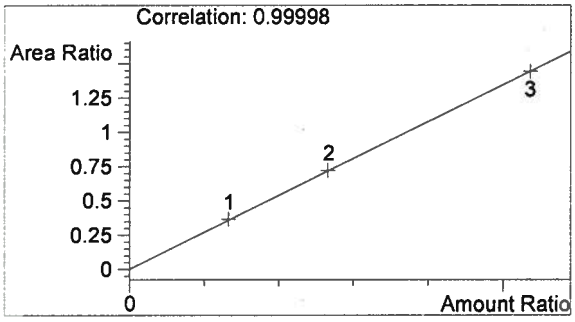
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/9/2014 1:18:52 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

Sample Name: NEG CTRL JK
Operator: Justin Knoy
Location: Vial 37

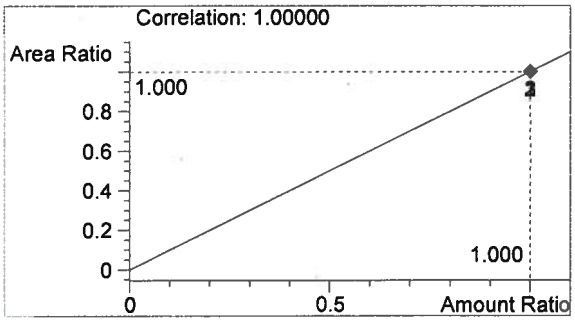


#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2459	1.700



Ethanol 0.000 g/100mL

14052



n-Propanol 0.012 g/100mL

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

Sequence Parameters:

Operator:	Rebecca Flaherty
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:	141010RF
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
Ethanol Calibrator 1, E0814-01 - Exp. 02/19/2015
Ethanol Calibrator 2, E0814-02 - Exp. 02/19/2015
Ethanol Calibrator 3, E0814-03 - Exp. 02/19/2015
CTRL1 (0.04g/100mL), Lot # FN05011301 - Exp. 05/2018
CTRL2 (0.10g/100mL), Lot # FN08051301 - Exp. 10/2018
CTRL3 (0.20g/100mL), Lot # FN03211401 - Exp. 06/2019
Internal Standard Lot#P0914 - Exp. 12/29/14

Calibration vials 1-9 filed with 14049.

14052
10/13/14

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	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	14049-1	SIMALC1	1	Sample		
11	Vial 11	14049-2	SIMALC1	1	Sample		
12	Vial 12	14049-3	SIMALC1	1	Sample		
13	Vial 13	14049-4	SIMALC1	1	Sample		
14	Vial 14	14049-5	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	14050-1	SIMALC1	1	Sample		
18	Vial 18	14050-2	SIMALC1	1	Sample		
19	Vial 19	14050-3	SIMALC1	1	Sample		
20	Vial 20	14050-4	SIMALC1	1	Sample		
21	Vial 21	14050-5	SIMALC1	1	Sample		
22	Vial 22	0.10 CTRL	SIMALC1	1	Ctrl Samp		
23	Vial 23	NEG CTRL	SIMALC1	1	Ctrl Samp		
24	Vial 24	14051-1	SIMALC1	1	Sample		
25	Vial 25	14051-2	SIMALC1	1	Sample		
26	Vial 26	14051-3	SIMALC1	1	Sample		

RF

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

Line	Location	SampleName	Method	Inj	SampleType	InjVolume	DataFile
27	Vial 27	14051-4	SIMALC1	1	Sample		
28	Vial 28	14051-5	SIMALC1	1	Sample		
29	Vial 29	0.10 CTRL	SIMALC1	1	Ctrl Samp		
30	Vial 30	NEG CTRL	SIMALC1	1	Ctrl Samp		
31	Vial 31	14052-1	SIMALC1	1	Sample		
32	Vial 32	14052-2	SIMALC1	1	Sample		
33	Vial 33	14052-3	SIMALC1	1	Sample		
34	Vial 34	14052-4	SIMALC1	1	Sample		
35	Vial 35	14052-5	SIMALC1	1	Sample		
36	Vial 36	0.10 CTRL	SIMALC1	1	Ctrl Samp		
37	Vial 37	NEG CTRL	SIMALC1	1	Ctrl Samp		

Sequence Table (Back Injector):

No entries - empty table!

14052

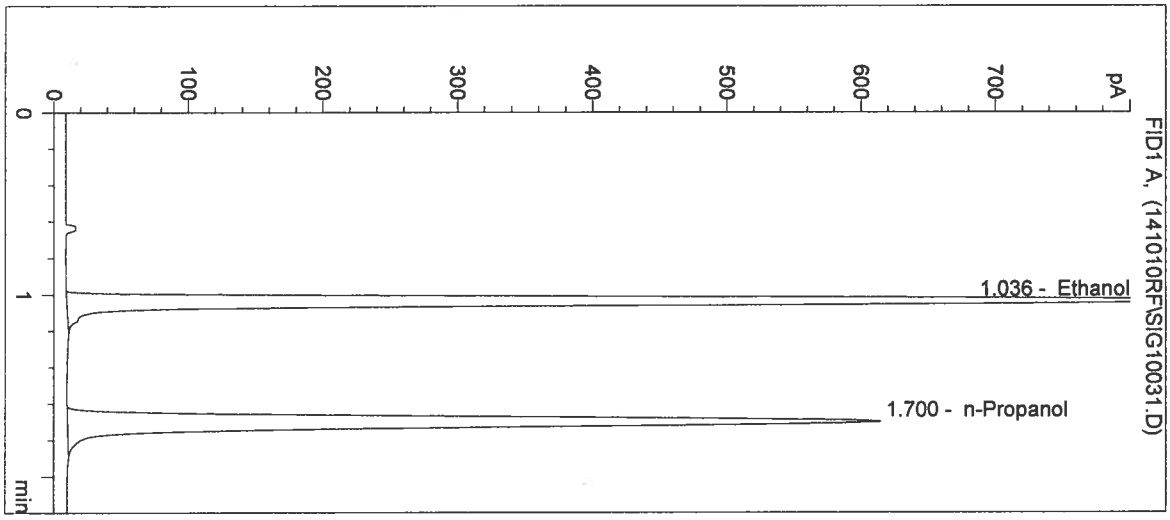
10/13/14

RF

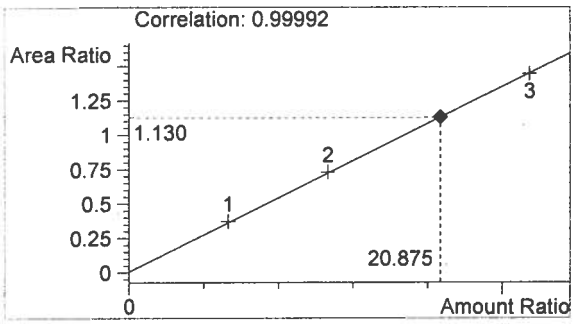
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/10/2014 3:30:53 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

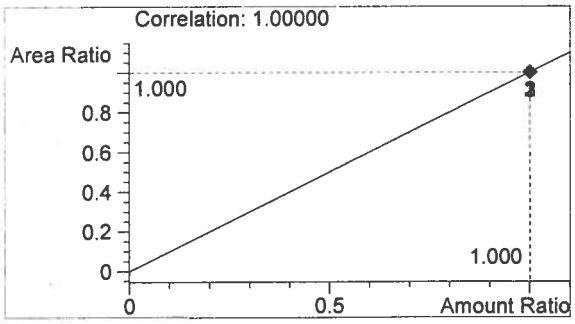
Sample Name: 14052-1
Operator: Rebecca Flaherty
Location: Vial 31



#	Compound	Peak Area	RT (min)
1	Ethanol	2694	1.036
2	n-Propanol	2383	1.700



Ethanol 0.250 g/100mL

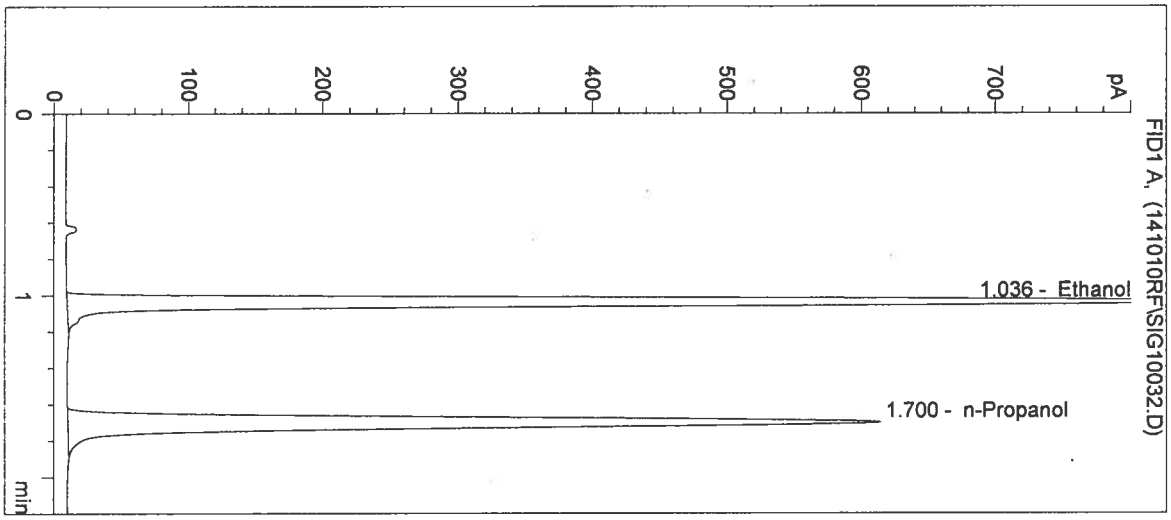


n-Propanol 0.012 g/100mL

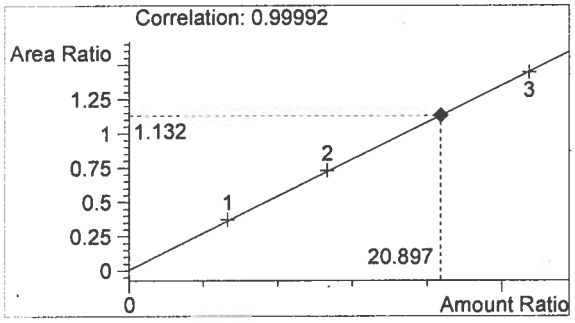
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/10/2014 3:34:06 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

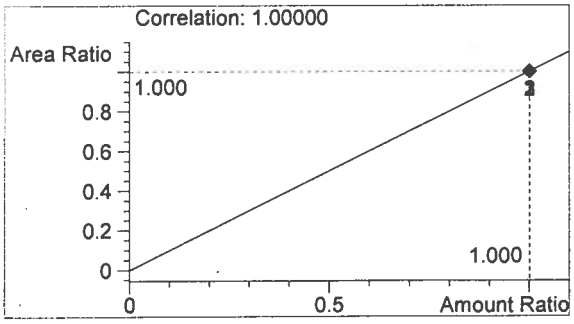
Sample Name: 14052-2
Operator: Rebecca Flaherty
Location: Vial 32



#	Compound	Peak Area	RT (min)
1	Ethanol	2696	1.036
2	n-Propanol	2382	1.700



Ethanol 0.251 g/100mL



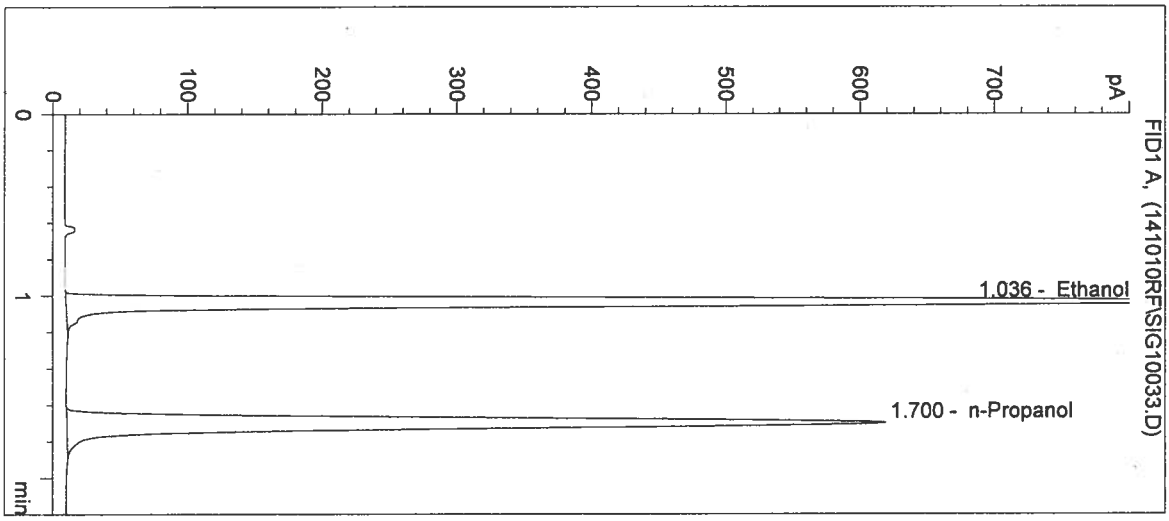
n-Propanol 0.012 g/100mL

RF

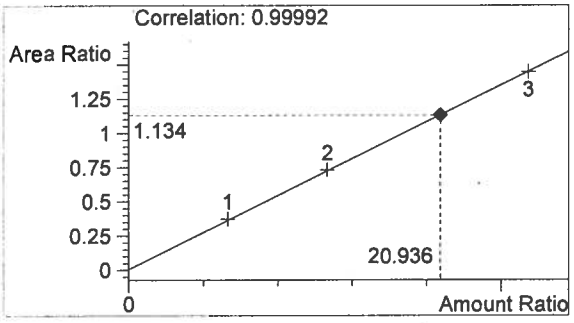
Washington State Patrol Toxicology Laboratory
2203 Airport Way S Seattle, WA 98134

Inj. Date: 10/10/2014 3:37:20 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

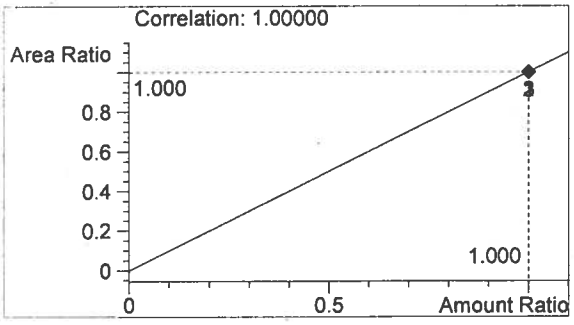
Sample Name: 14052-3
Operator: Rebecca Flaherty
Location: Vial 33



#	Compound	Peak Area	RT (min)
1	Ethanol	2724	1.036
2	n-Propanol	2402	1.700



Ethanol 0.251 g/100mL



n-Propanol 0.012 g/100mL

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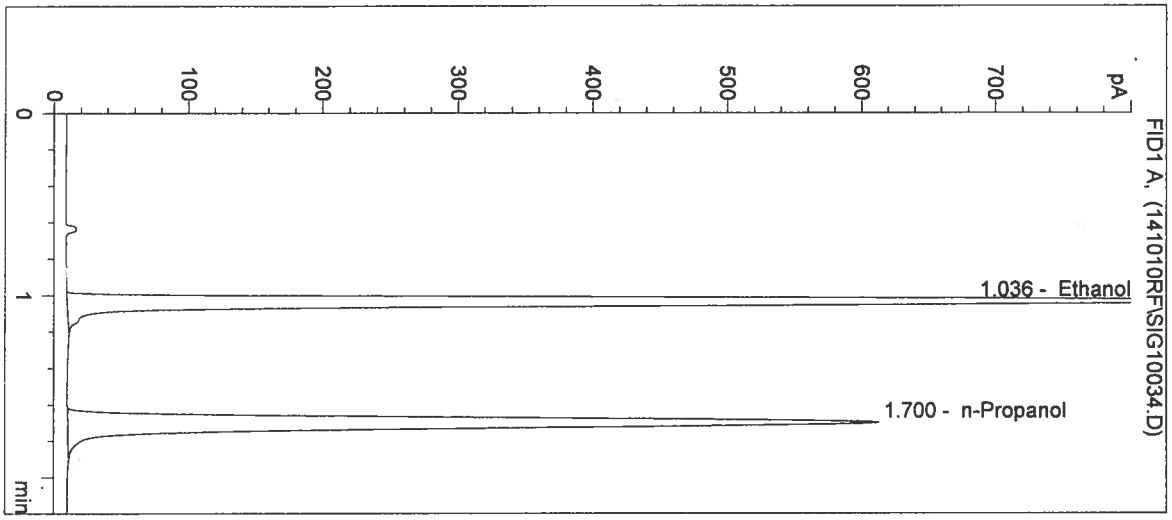
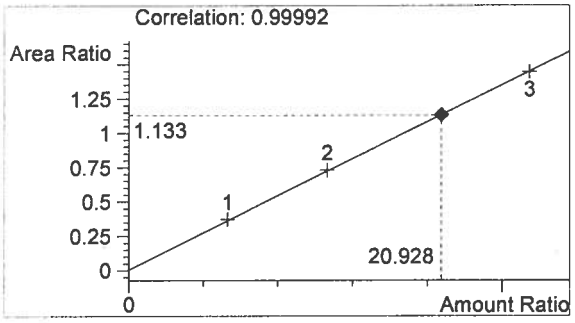
Inj. Date: 10/10/2014 3:40:33 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

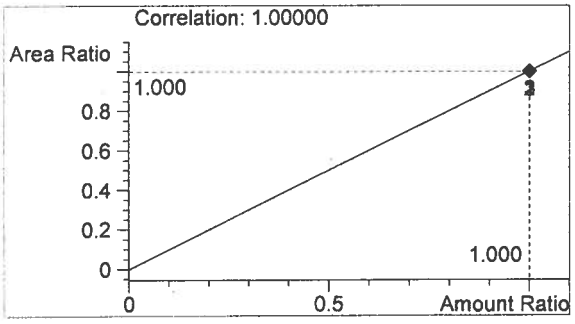
Sample Name: 14052-4
Operator: Rebecca Flaherty
Location: Vial 34



#	Compound	Peak Area	RT (min)
1	Ethanol	2681	1.036
2	n-Propanol	2366	1.700



Ethanol 0.251 g/100mL



n-Propanol 0.012 g/100mL

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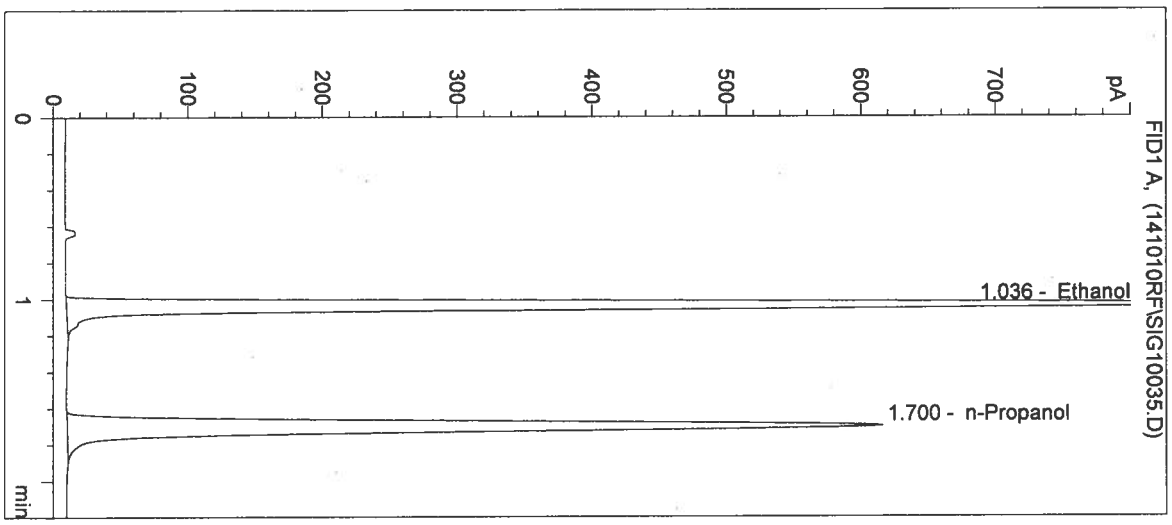
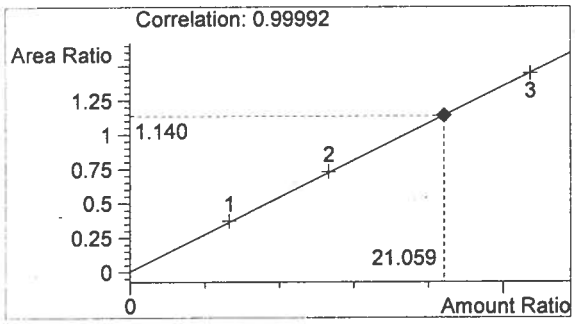
Inj. Date: 10/10/2014 3:43:46 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info:

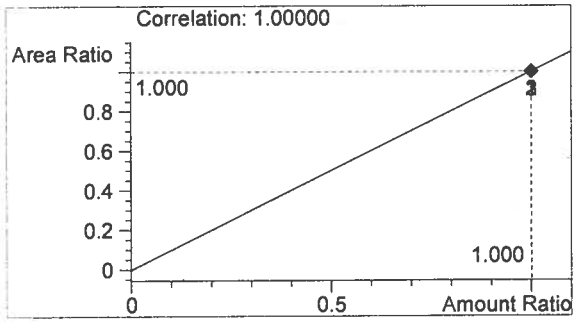
Sample Name: 14052-5
Operator: Rebecca Flaherty
Location: Vial 35



#	Compound	Peak Area	RT (min)
1	Ethanol	2712	1.036
2	n-Propanol	2378	1.700



Ethanol 0.253 g/100mL



n-Propanol 0.012 g/100mL

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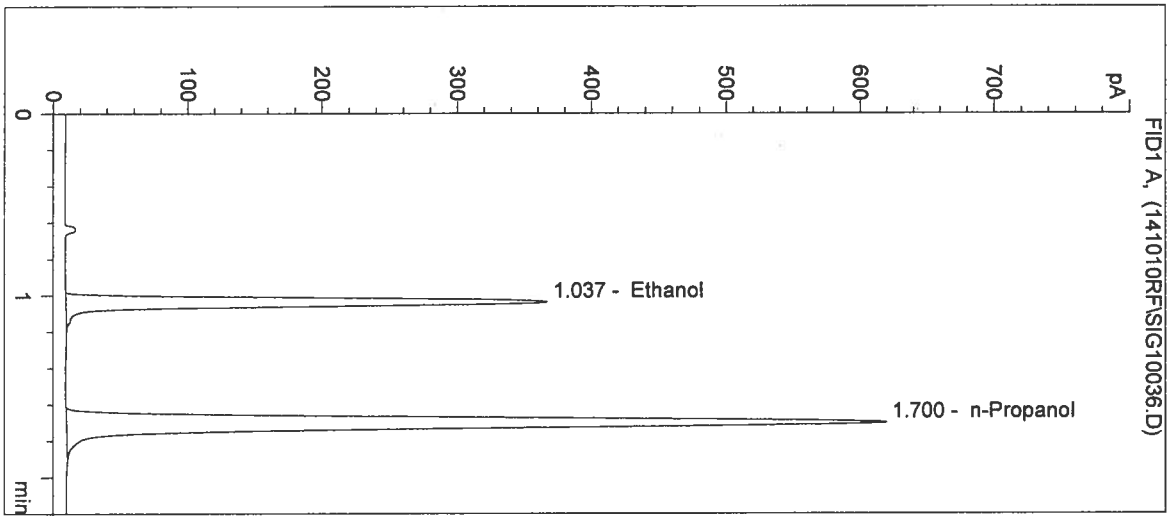
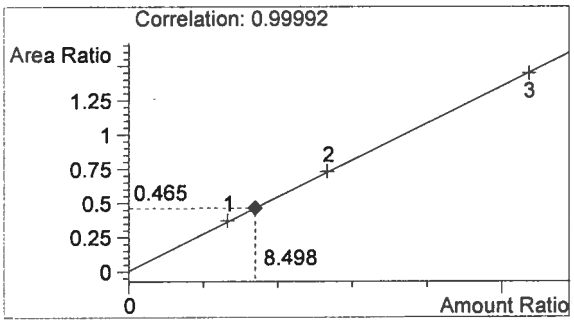
Inj. Date: 10/10/2014 3:46:59 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 14052

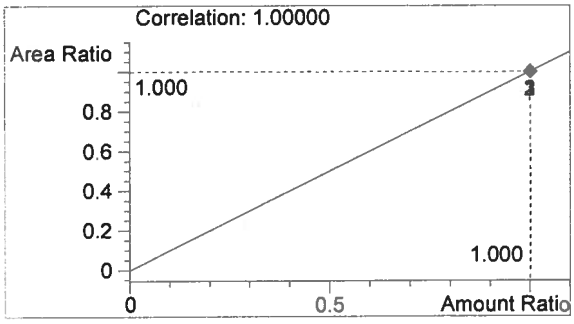
Sample Name: 0.10 CTRL
Operator: Rebecca Flaherty
Location: Vial 36



#	Compound	Peak Area	RT (min)
1	Ethanol	1113	1.037
2	n-Propanol	2393	1.700



Ethanol 0.102 g/100mL



n-Propanol 0.012 g/100mL

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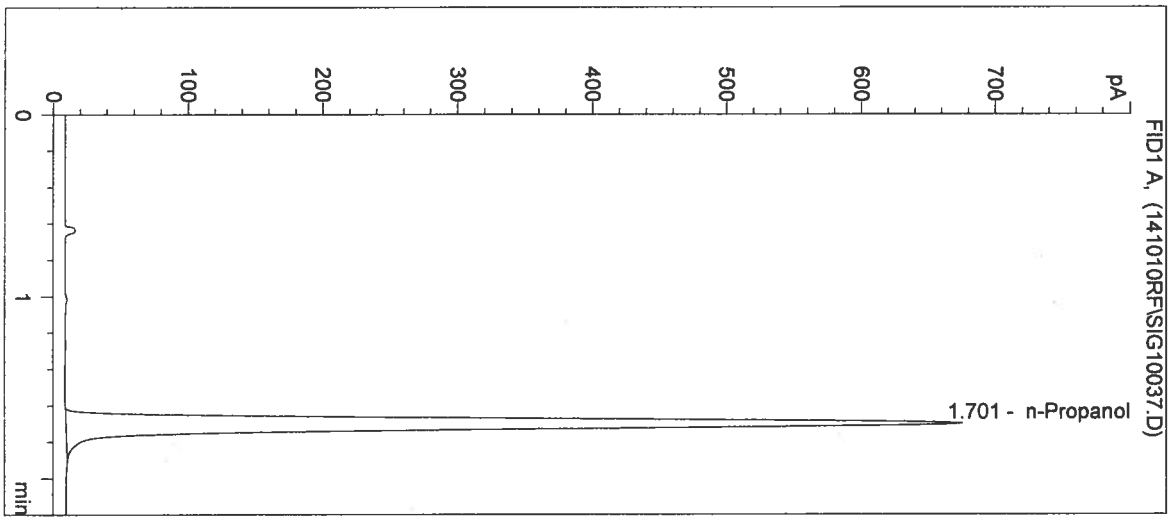
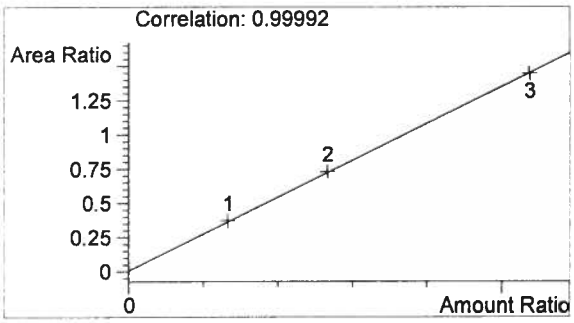
Inj. Date: 10/10/2014 3:50:14 PM
Instrument: HSGC#1
Column: DB-ALC1
Method: C:\HPCHEM\1\METHODS\SIMALC1.M
Sample Info: 14052

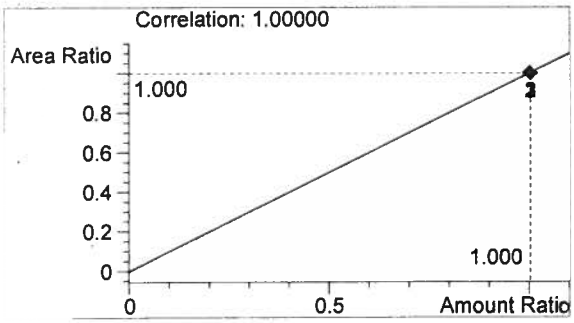
Sample Name: NEG CTRL
Operator: Rebecca Flaherty
Location: Vial 37



#	Compound	Peak Area	RT (min)
1	Ethanol	0	0.000
2	n-Propanol	2614	1.701



Ethanol 0.000 g/100mL



n-Propanol 0.012 g/100mL
