VERMONT FORENSIC LABORATORY

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Certificate of Analysis of DataMaster Interference Solution

On 11/15/2012, an interference solution was prepared by Amanda Bolduc for use as a DataMaster Interference Check solution. The solution was prepared per standard laboratory practice and assigned the lot number 12-85-08A1 and an expiration date of 10/31/2013.

On 11/7/2102 and 11/8/2102, the solution was analyzed against calibration SIM 11072102 and VFL 11082012. Analysis of the solution was performed using headspace gas chromatography. The instrument was calibrated prior to analyses. It was found to have met required quality assurance performance specifications and was operating properly. Quality checks throughout the analytical process demonstrated that the instrument continued to operate properly.

This solution is certified as presenting 0.081 g/210L simulated breath ethanol 0.01% vol/vol concentration and approved for use as a DataMaster Interference Check solution.

Dated at Waterbury, Vermont on Thursday, November 15, 2012.

Amanda Bolduc

0.08 EtOH + 0.1% Acetone Interference Solution 1L
Lot # 12-85-08A1
Prepared 10/31/2012 by ALB/RLM
Exp 10/31/2013

ALB CAL SIM 11072012
ALB/TLC Vials
Analyzed on 11/7/2012

0.0800 ALB
0.0801
0.0803
0.0817
0.0803
0.0819
0.0800
0.0819 TLC
0.0805
0.0829
0.0810
0.0828
0.0797
0.0820

Ave. = 0.0811
Std Dev. = 0.0011
Range = 0.0797 - 0.0829

TLC CAL VFL11082012
ALB/TLC Vials
Analyzed on 11/8/12

0.0784 TLC
0.0819
0.0798
0.0819
0.0797
0.0804
0.0791
0.0816 ALB
0.0797
0.0811
0.0793
0.0802
0.0794
0.0806

Ave. = 0.0802
Std Dev. = 0.0011
Range = 0.0784 - 0.0819

Total Values from Both Runs

Average	Mean
0.0800	0.0784
0.0801	0.0791
0.0803	0.0793
0.0817	0.0794
0.0803	0.0797
0.0819	
0.0800	
0.0819	0.0798
0.0805	0.0800
0.0829	
0.0810	0.0801
0.0828	0.0802
0.0797	0.0803
0.0820	
0.0784	0.0804
0.0819	0.0805
0.0798	0.0806
0.0819	0.0810
0.0797	0.0811
0.0804	0.0816
0.0791	0.0817
0.0816	0.0819
0.0797	
0.0811	
0.0793	
0.0802	0.0820
0.0794	0.0828
0.0806	0.0829
Ave. =	0.0807
Avg Std Dev. =	0.0012
Mean =	0.0806
Mean Std Dev. =	0.0012
Range =	0.0784 - 0.0829
RPD=	5.57%

11/15/2012

Headspace Alcohol Analysis Standards Coversheet

Analyst: ALB Date: 11/7/12

Calibration Standards:

Lot ID: ES-10012012 Preparation Date: 10/1/2012 Expiration Date: 1/1/2013

	Standard A	Standard B	Standard C	Standard D	Standard E	Calibration Check
% Ethanol (w/v)	0.006	0.024	0.081	0.200	0.403	0.081
Acceptance Range (± 10%)	0.007	0.026	0.089	0.220	0.443	0.089
	0.005	0.022	0.073	0.180	0.363	0.073

Control Sample:

Sample	Source	Lot number	Target Value	Acceptance Range	
Aqueous	Cerilliant	FN021111-03	0.080	0.072	0.088

Calibration and Control Sample Data:

Vial No.	Sample Identification		Result	In Range?	Comments
1	Blank		<0.005	Y N	Three blanks analyzed at beginning of run. All <0.005
2	Compound Retention Times:			N/A	
		Acetaldehyde	1.92		
		Methanol	2.02		
		Ethanol	2.66		
		Acetone	3.06		
		Isopropanol	3.20		
		T- butanol	3.64		
		n-propanol	4.45		
3	Standard A		0.006	Y N	
4	Standard B		0.024	Y N	
5	Standard C		0.082	Y N	
6	Standard D		0.197	Y N	
7	Standard E		0.404	Y N	
8	Aqueous QC		0.0803	Y N	
9	Aqueous QC		0.0796	Y N	Avg = 0.080 100% recovery ✓

10/15/2012

File Name = C:\Alcohol Data\SIM11072012\SIM11072012.SEQ
Version = 2
File Date = 11/7/2012 11:25:07 AM

Entry #	Raw File Name	Method File Name	Sample Name	Sample Wt.	Int. Std. Amount
1	SIM11072012.0001.raw	Blood Alc New VFL.MET	BLANK	1.00	1.00
2	SIM11072012.0002.raw	Blood Alc New VFL.MET	BLANK	1.00	1.00
3	SIM11072012.0003.raw	Blood Alc New VFL.MET	BLANK	1.00	1.00
4	SIM11072012.0004.raw	Blood Alc New VFL.MET	TMX	1.00	1.00
5	SIM11072012.0005.raw	Blood Alc New VFL.MET	STD A	1.00	1.00
6	SIM11072012.0006.raw	Blood Alc New VFL.MET	STD B	1.00	1.00
7	SIM11072012.0007.raw	Blood Alc New VFL.MET	STD C	1.00	1.00
8	SIM11072012.0008.raw	Blood Alc New VFL.MET	STD D	1.00	1.00
9	SIM11072012.0009.raw	Blood Alc New VFL.MET	STD E	1.00	1.00
10	SIM11072012.0010.raw	Blood Alc New VFL.MET	AQ QC	1.00	1.00
11	SIM11072012.0011.raw	Blood Alc New VFL.MET	AQ QC	1.00	1.00
12	SIM11072012.0012.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
13	SIM11072012.0013.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
14	SIM11072012.0014.raw	simsoln.met	0.1 ALB	1.00	1.00
15	SIM11072012.0015.raw	simsoln.met	0.1 ALB	1.00	1.00
16	SIM11072012.0016.raw	simsoln.met	0.1 ALB	1.00	1.00
17	SIM11072012.0017.raw	simsoln.met	0.1 ALB	1.00	1.00
18	SIM11072012.0018.raw	simsoln.met	0.1 ALB	1.00	1.00
19	SIM11072012.0019.raw	simsoln.met	0.1 ALB	1.00	1.00
20	SIM11072012.0020.raw	simsoln.met	0.1 ALB	1.00	1.00
21	SIM11072012.0021.raw	simsoln.met	CCS	1.00	1.00
22	SIM11072012.0022.raw	simsoln.met	CCS	1.00	1.00
23	SIM11072012.0023.raw	simsoln.met	0.1 TLC	1.00	1.00
24	SIM11072012.0024.raw	simsoln.met	0.1 TLC	1.00	1.00
25	SIM11072012.0025.raw	simsoln.met	0.1 TLC	1.00	1.00
26	SIM11072012.0026.raw	simsoln.met	0.1 TLC	1.00	1.00
27	SIM11072012.0027.raw	simsoln.met	0.1 TLC	1.00	1.00
28	SIM11072012.0028.raw	simsoln.met	0.1 TLC	1.00	1.00
29	SIM11072012.0029.raw	simsoln.met	0.1 TLC	1.00	1.00
30	SIM11072012.0030.raw	simsoln.met	CCS	1.00	1.00
31	SIM11072012.0031.raw	simsoln.met	CCS	1.00	1.00
32	SIM11072012.0032.raw	simsoln.met	0.08 ALB	1.00	1.00
33	SIM11072012.0033.raw	simsoln.met	0.08 ALB	1.00	1.00
34	SIM11072012.0034.raw	simsoln.met	0.08 ALB	1.00	1.00
35	SIM11072012.0035.raw	simsoln.met	0.08 ALB	1.00	1.00
36	SIM11072012.0036.raw	simsoln.met	0.08 ALB	1.00	1.00
37	SIM11072012.0037.raw	simsoln.met	0.08 ALB	1.00	1.00
38	SIM11072012.0038.raw	simsoln.met	0.08 ALB	1.00	1.00
39	SIM11072012.0039.raw	simsoln.met	CCS	1.00	1.00
40	SIM11072012.0040.raw	simsoln.met	CCS	1.00	1.00
41	SIM11072012.0041.raw	simsoln.met	0.08 TLC	1.00	1.00
42	SIM11072012.0042.raw	simsoln.met	0.08 TLC	1.00	1.00
43	SIM11072012.0043.raw	simsoln.met	0.08 TLC	1.00	1.00
44	SIM11072012.0044.raw	simsoln.met	0.08 TLC	1.00	1.00
45	SIM11072012.0045.raw	simsoln.met	0.08 TLC	1.00	1.00
46	SIM11072012.0046.raw	simsoln.met	0.08 TLC	1.00	1.00
47	SIM11072012.0047.raw	simsoln.met	0.08 TLC	1.00	1.00
48	SIM11072012.0048.raw	simsoln.met	CCS	1.00	1.00
49	SIM11072012.0049.raw	simsoln.met	CCS	1.00	1.00
50	SIM11072012.0050.raw	simsoln.met	0.4 ALB	1.00	1.00
51	SIM11072012.0051.raw	simsoln.met	0.4 ALB	1.00	1.00
52	SIM11072012.0052.raw	simsoln.met	0.4 ALB	1.00	1.00
53	SIM11072012.0053.raw	simsoln.met	0.4 ALB	1.00	1.00
54	SIM11072012.0054.raw	simsoln.met	0.4 ALB	1.00	1.00
55	SIM11072012.0055.raw	simsoln.met	0.4 ALB	1.00	1.00
56	SIM11072012.0056.raw	simsoln.met	0.4 ALB	1.00	1.00
57	SIM11072012.0057.raw	simsoln.met	CCS	1.00	1.00
58	SIM11072012.0058.raw	simsoln.met	CCS	1.00	1.00
59	SIM11072012.0059.raw	simsoln.met	0.4 TLC	1.00	1.00
60	SIM11072012.0060.raw	simsoln.met	0.4 TLC	1.00	1.00
61	SIM11072012.0061.raw	simsoln.met	0.4 TLC	1.00	1.00
62	SIM11072012.0062.raw	simsoln.met	0.4 TLC	1.00	1.00

11/13/12

Not included, separate Solution

11/13/12

Not included different Solution

Chrom Perfect Sequence File

Entry #	Raw File Name	Method File Name	Sample Name	Sample Wt.	Int. Std. Amount
63	SIM11072012.0063.raw	simsoln.met	0.4 TLC	1.00	1.00
64	SIM11072012.0064.raw	simsoln.met	0.4 TLC	1.00	1.00
65	SIM11072012.0065.raw	simsoln.met	0.4 TLC	1.00	1.00
66	SIM11072012.0066.raw	simsoln.met	CCS	1.00	1.00
67	SIM11072012.0067.raw	simsoln.met	CCS	1.00	1.00

NOT included different solution 11/13/12

File Name: C:\Methods\SIM 11072012.CAL
Version: 2

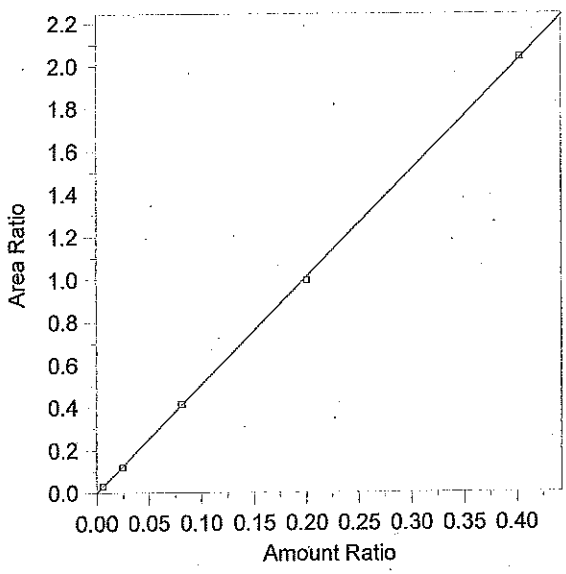
Creator:
Description:
Reason for change:

Internal standard calibration
No injection volume correction
No sample weight correction
Area reject threshold: 1000
Reference peak area reject threshold: 0
Amount units:
No default component

Method of calculating data point averages: Equal weight for all updates
No calibration update report

All levels are normal data points.

3 Ethanol



Expected retention time: 2.666 minutes
Search window: 0.1 minutes
Internal standard component: 7 (n-Propanol)
No retention time reference component
Group number: 0

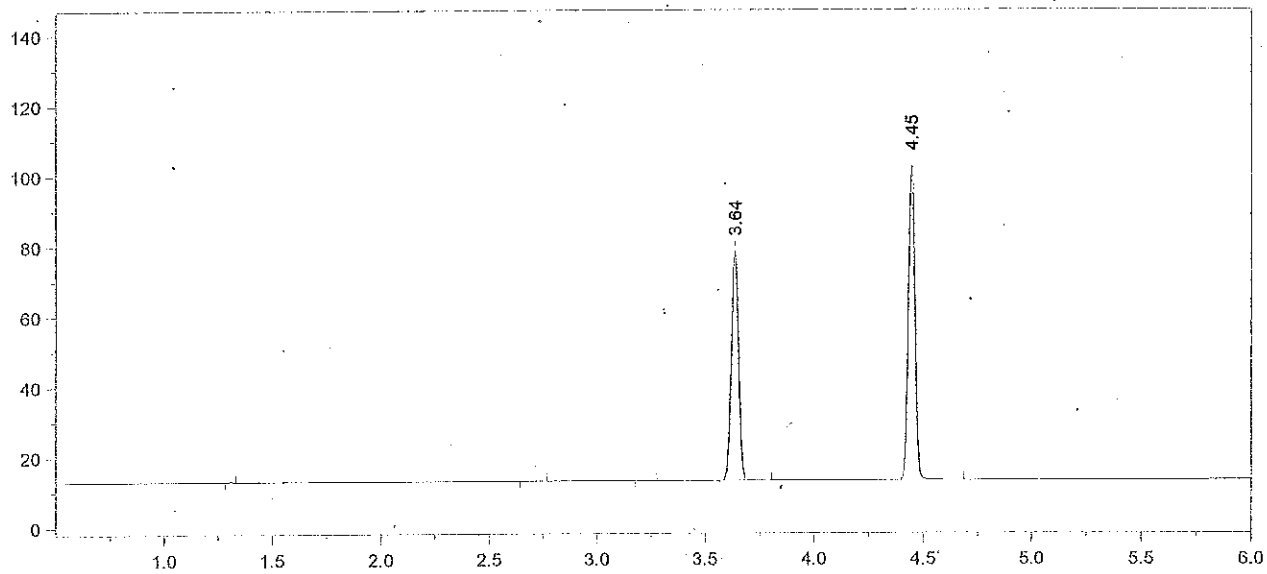
High alarm limit: 0
Low alarm limit: 0
Component constant: 0

Single peak quantification by area

Y = 5.044263 X + 0

Linear fit with equal weighting, forced to origin
Coefficient of determination: 0.9998777
Average error: 1.633%
Average CF: 5.051465
RSD: 2.064%

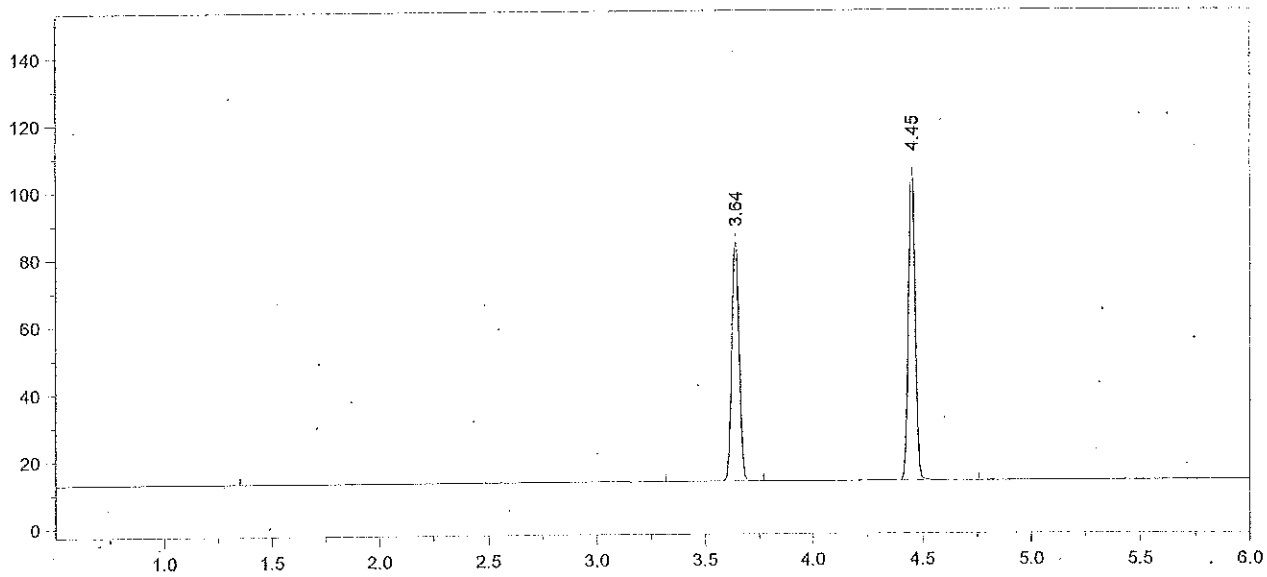
Level	Amount	Response	Cal Factor	Error, %	Amount Ratio	Response Ratio	Source	Date and time
1	(0.087)	(85146)	--	--	0.087	85146	Manual	8/8/2012 7:53:22 AM
2	0.006	5770.469	961744.9	2.944	0.006	3.115649E-02	C:\Alcohol Data\SIM11072012\SIM11072012.0005.BND	11/7/2012 3:08:54 PM
3	0.0242	23342.61	964570.6	-2.145	0.0242	0.119453	C:\Alcohol Data\SIM11072012\SIM11072012.0006.BND	11/7/2012 3:09:01 PM
4	0.0813	77460.26	952770.8	1.144	0.0813	0.4147903	C:\Alcohol Data\SIM11072012\SIM11072012.0007.BND	11/7/2012 3:09:08 PM
5	0.2004	184320.6	919763.4	-1.580	0.2004	0.9948943	C:\Alcohol Data\SIM11072012\SIM11072012.0008.BND	11/7/2012 3:09:15 PM
6	0.403	380014.2	942963.3	0.351	0.403	2.03998	C:\Alcohol Data\SIM11072012\SIM11072012.0009.BND	11/7/2012 3:09:27 PM



Format File Name = AlcoholVFL.FMT

Today's Date = 11/7/2012
Today's Time = 3:10:12 PM
Bound File Name = SIM11072012.0001.RAW
Sample Name = ~~CCS~~ Blank 11/8/12 AB
Date Taken = 11/7/2012 12:00:51 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM 11072012.CAL
Calibration Version = 2

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
4	3.64	t-Butanol	149914	0.9761
5	4.45	n-Propanol	188155	1.0000



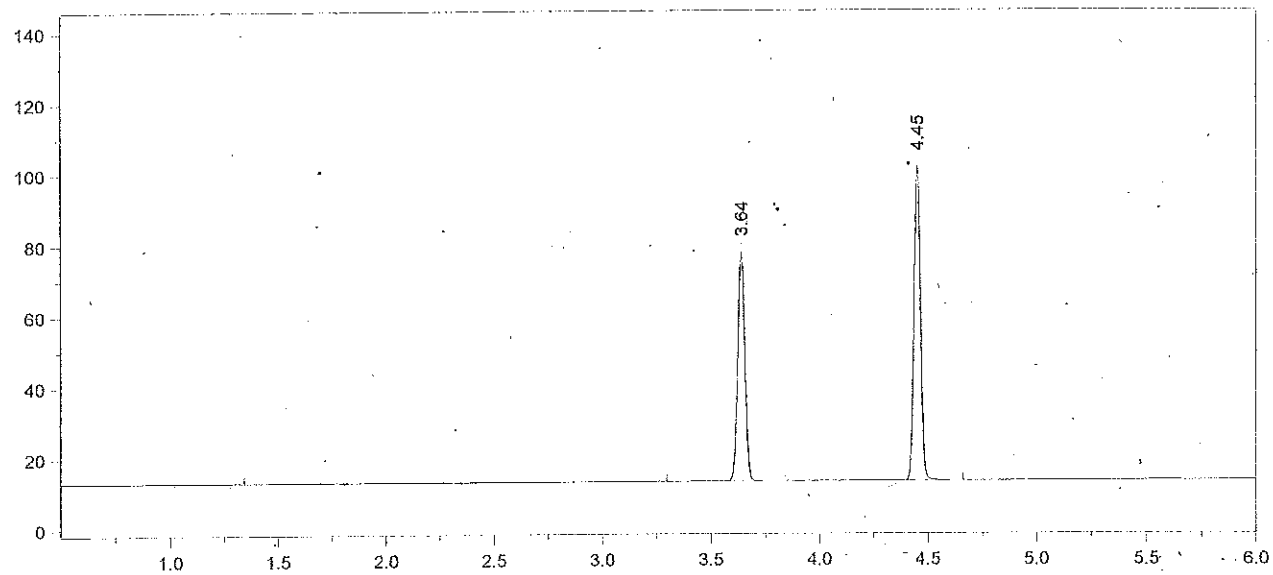
Format File Name = AlcoholVFL.FMT

Today's Date = 11/7/2012
Today's Time = 3:10:19 PM

Bound File Name = SIM11072012.0002.RAW
Sample Name = ~~CCS~~ Blank 11/8/12 dcB
Date Taken = 11/7/2012 12:17:54 PM
VFL Headspace Alcohol

Method file = Blood Alc New VFL.MET
Calibration file = SIM 11072012.CAL
Calibration Version = 2

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	3.64	t-Butanol	164110	1.0095
4	4.45	n-Propanol	199152	1.0000



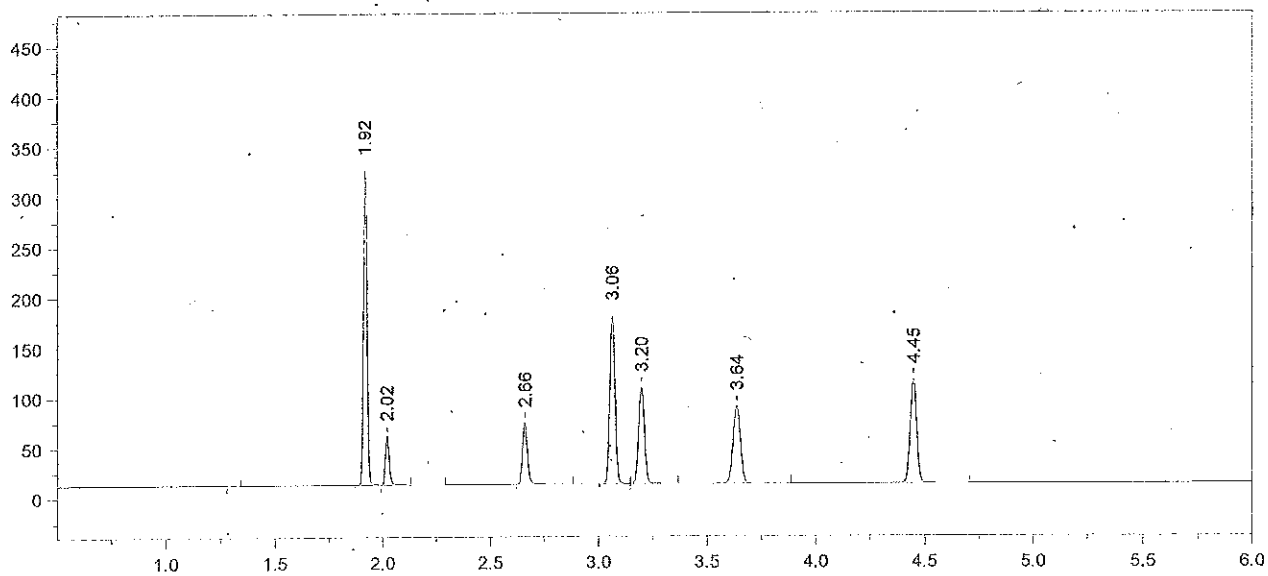
Format File Name = AlcoholVFL.FMT

Today's Date = 11/7/2012
Today's Time = 3:10:26 PM

Bound File Name = SIM11072012.0003.RAW
Sample Name = ~~CCS~~ Blank 11/8/12 AB
Date Taken = 11/7/2012 12:31:45 PM
VFL Headspace Alcohol

Method file = Blood Alc New VFL.MET
Calibration file = SIM 11072012.CAL
Calibration Version = 2

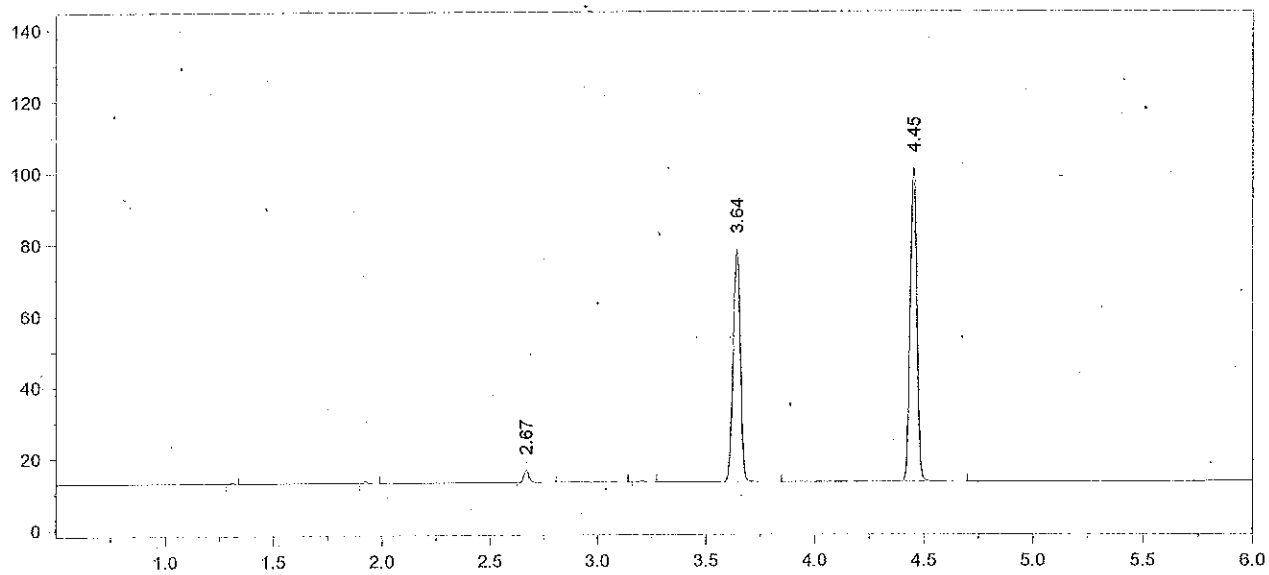
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	3.64	t-Butanol	149001	0.9756
4	4.45	n-Propanol	187105	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/7/2012
Today's Time = 3:10:34 PM
Bound File Name = SIM11072012.0004.RAW
Sample Name = CES TMX 11/8/12 dwB
Date Taken = 11/7/2012 12:47:36 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM 11072012.CAL
Calibration Version = 2

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	1.92	Acetaldehyde	361919	0.0720
3	2.02	Methanol	58392	0.1210
4	2.66	Ethanol	93959	0.0856
5	3.06	Acetone	283040	0.0690
6	3.20	Isopropanol	179619	0.0830
7	3.64	t-Butanol	177661	0.9996
8	4.45	n-Propanol	217721	1.0000



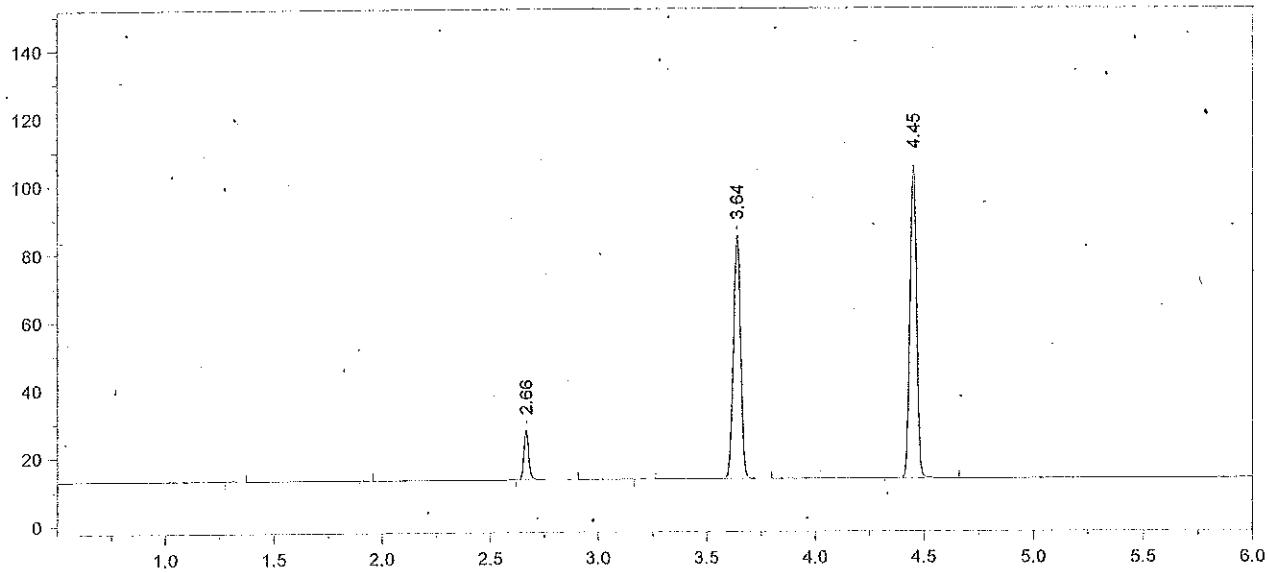
Format File Name = AlcoholVFL.FMT

Today's Date = 11/7/2012
Today's Time = 3:10:46 PM

Bound File Name = SIM11072012.0005.RAW
Sample Name = ~~CCS~~ Std A 11/8/12 dcB
Date Taken = 11/7/2012 1:03:32 PM
VFL Headspace Alcohol

Method file = Blood Alc New VFL.MET
Calibration file = SIM 11072012.CAL
Calibration Version = 2

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.67	Ethanol	05770	0.0062
6	3.64	t-Butanol	150373	0.9946
7	4.45	n-Propanol	185209	1.0000

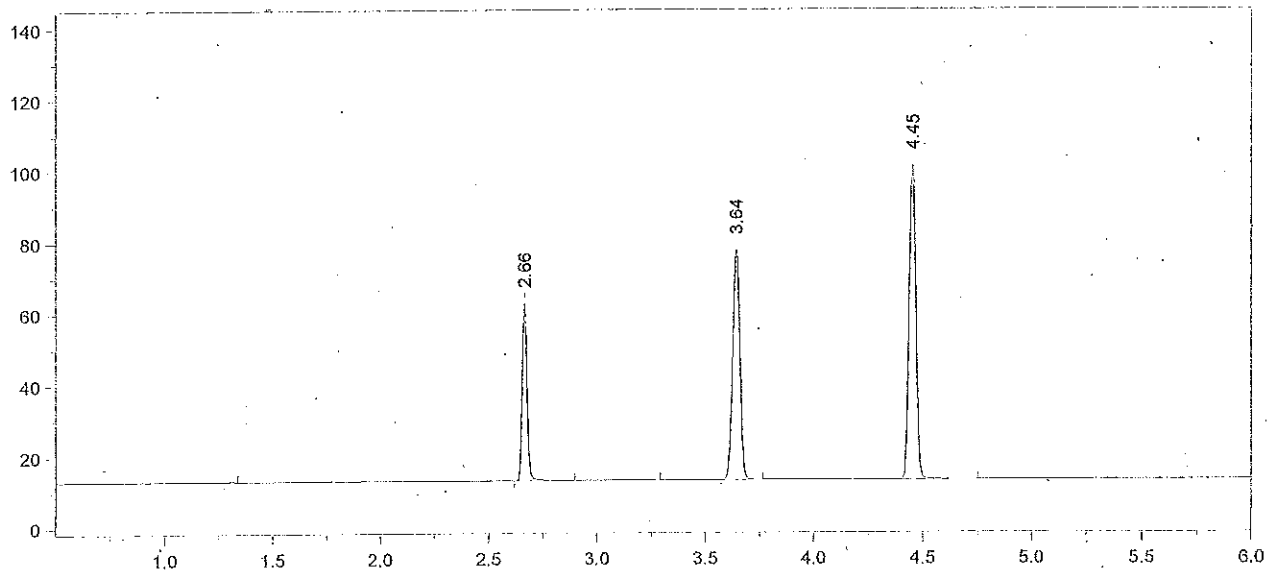


Format File Name = AlcoholVFL.FMT

Today's Date = 11/7/2012
Today's Time = 3:10:53 PM

Bound File Name = SIM11072012.0006.RAW
Sample Name = ~~CCS~~ STD B 11/8/12 dwB
Date Taken = 11/7/2012 1:19:10 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM 11072012.CAL
Calibration Version = 2

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.66	Ethanol	23343	0.0237
5	3.64	t-Butanol	164891	1.0337
6	4.45	n-Propanol	195413	1.0000

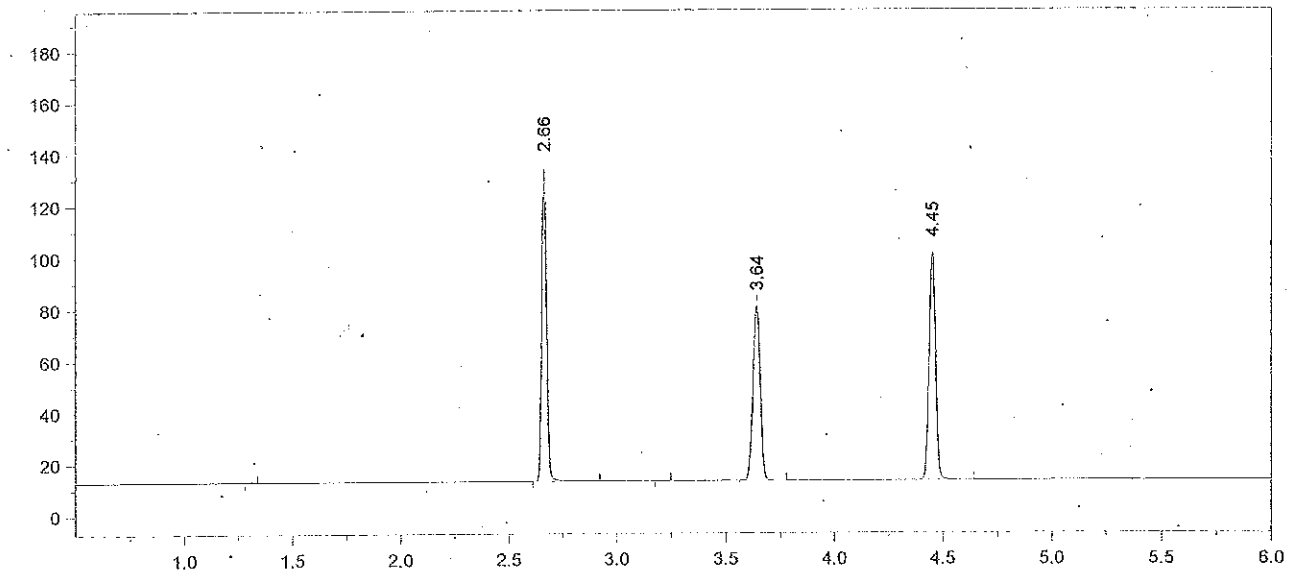


Format File Name = AlcoholVFL.FMT

Today's Date = 11/7/2012
Today's Time = 3:10:59 PM

Bound File Name = SIM11072012.0007.RAW
Sample Name = ~~CCS~~ Std C 11/8/12 dm
Date Taken = 11/7/2012 1:33:53 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM 11072012.CAL
Calibration Version = 2

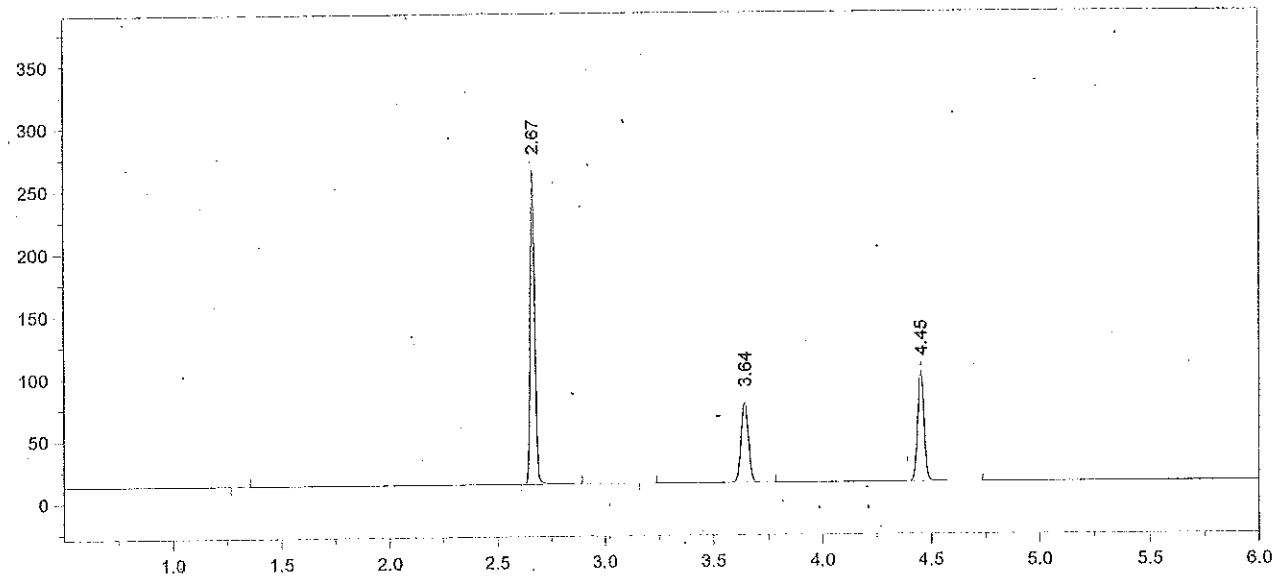
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	77460	0.0822
4	3.64	t-Butanol	148755	0.9758
5	4.45	n-Propanol	186746	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/7/2012
Today's Time = 3:11:05 PM
Bound File Name = SIM11072012.0008.RAW
Sample Name = CES Std 0 11/8/12 dWS
Date Taken = 11/7/2012 1:50:35 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM 11072012.CAL
Calibration Version = 2

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	184321	0.1972
4	3.64	t-Butanol	155176	1.0261
5	4.45	n-Propanol	185267	1.0000



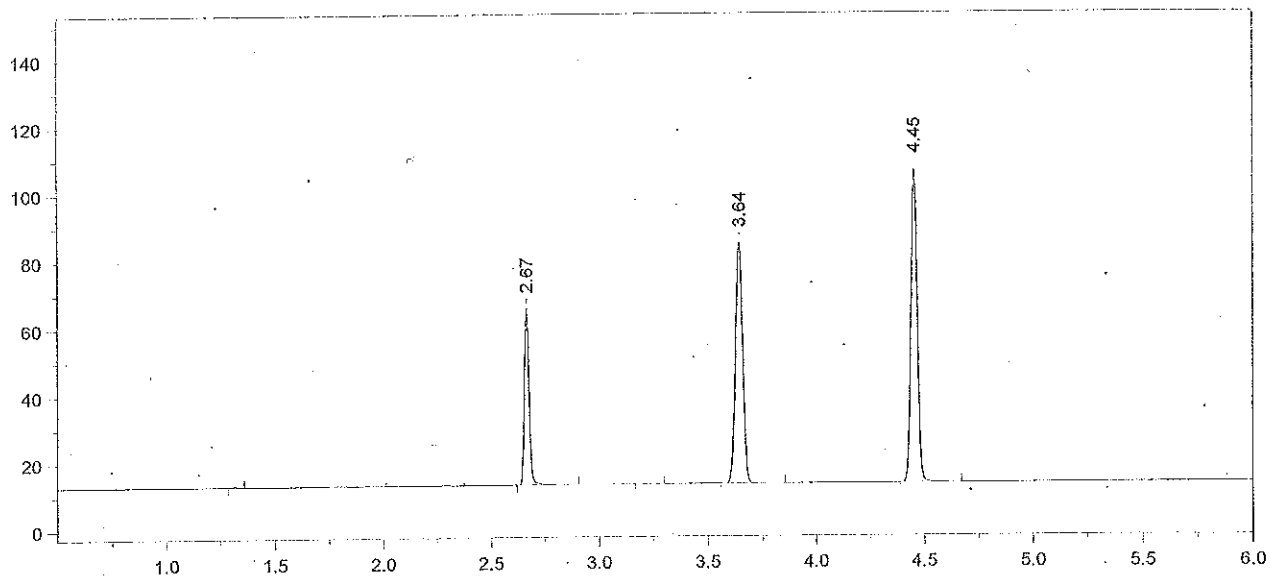
Format File Name = AlcoholVFL.FMT

Today's Date = 11/8/2012
Today's Time = 7:55:31 AM

Bound File Name = SIM11072012.0009.RAW
Sample Name = ~~CCS~~ Std E 11/8/12 dmB
Date Taken = 11/7/2012 2:03:48 PM
VFL Headspace Alcohol

Method file = Blood Alc New VFL.MET
Calibration file = SIM 11072012.CAL
Calibration Version = 2

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	380014	0.4044
4	3.64	t-Butanol	147522	0.9701
5	4.45	n-Propanol	186283	1.0000



Format File Name = AlcoholVFL.FMT

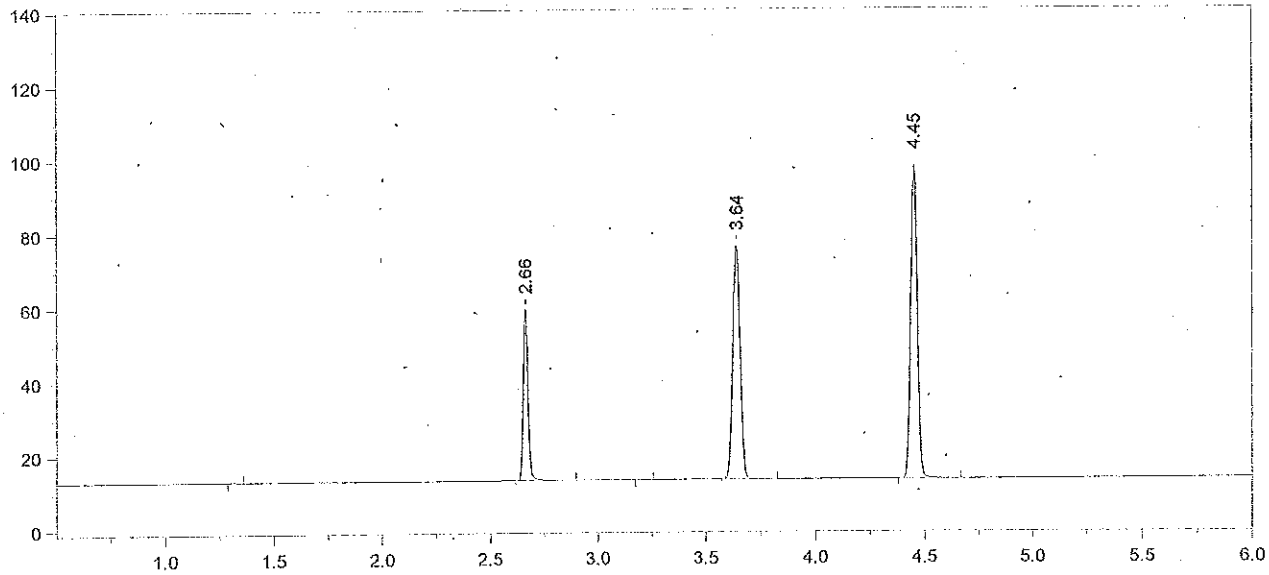
Today's Date = 11/8/2012
Today's Time = 7:55:41 AM

Bound File Name = SIM11072012.0010.RAW
Sample Name = ~~CCS~~ AQ QC 11/8/12 dwb
Date Taken = 11/7/2012 2:21:57 PM
VFL Headspace Alcohol

Method file = Blood Alc New VFL.MET
Calibration file = SIM 11072012.CAL
Calibration Version = 2

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	80569	0.0803
4	3.64	t-Butanol	164898	1.0151
5	4.45	n-Propanol	199006	1.0000

Chrom Perfect Chromatogram Report



Format File Name = AlcoholVFL.FMT

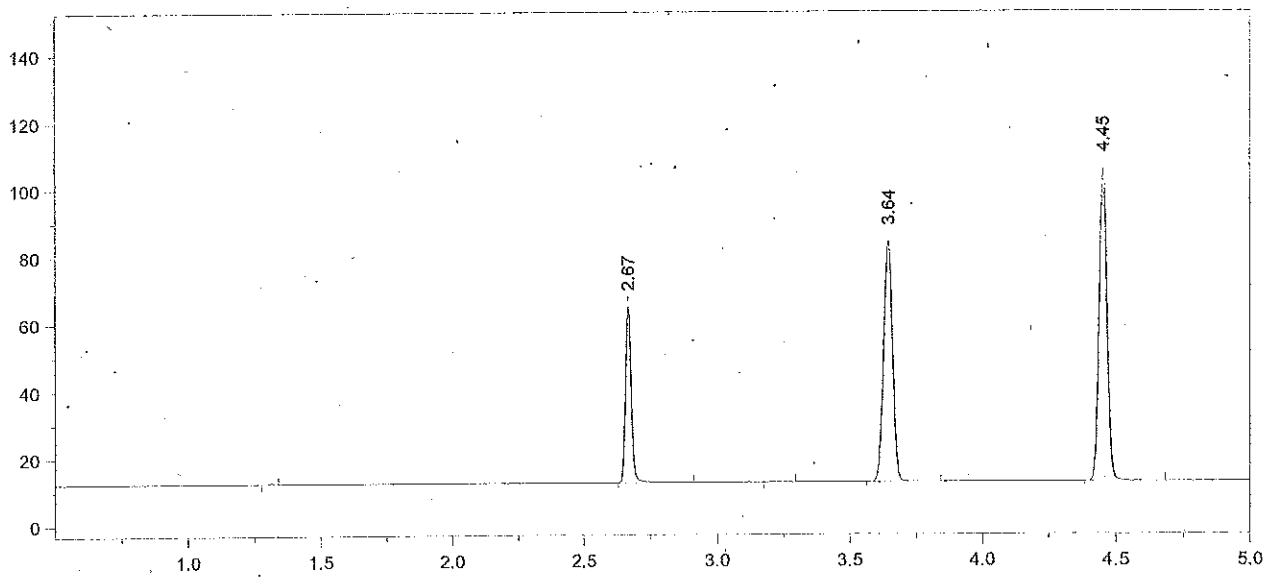
Today's Date = 11/8/2012
Today's Time = 7:55:47 AM

Bound File Name = SIM11072012.0011.RAW
Sample Name = ~~CGS~~ AQ QC 11/8/12 AW3
Date Taken = 11/7/2012 2:35:55 PM
VFL Headspace Alcohol

Method file = Blood Alc New VFL.MET
Calibration file = SIM 11072012.CAL
Calibration Version = 2

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	72102	0.0796
4	3.64	t-Butanol	145416	0.9917
5	4.45	n-Propanol	179636	1.0000

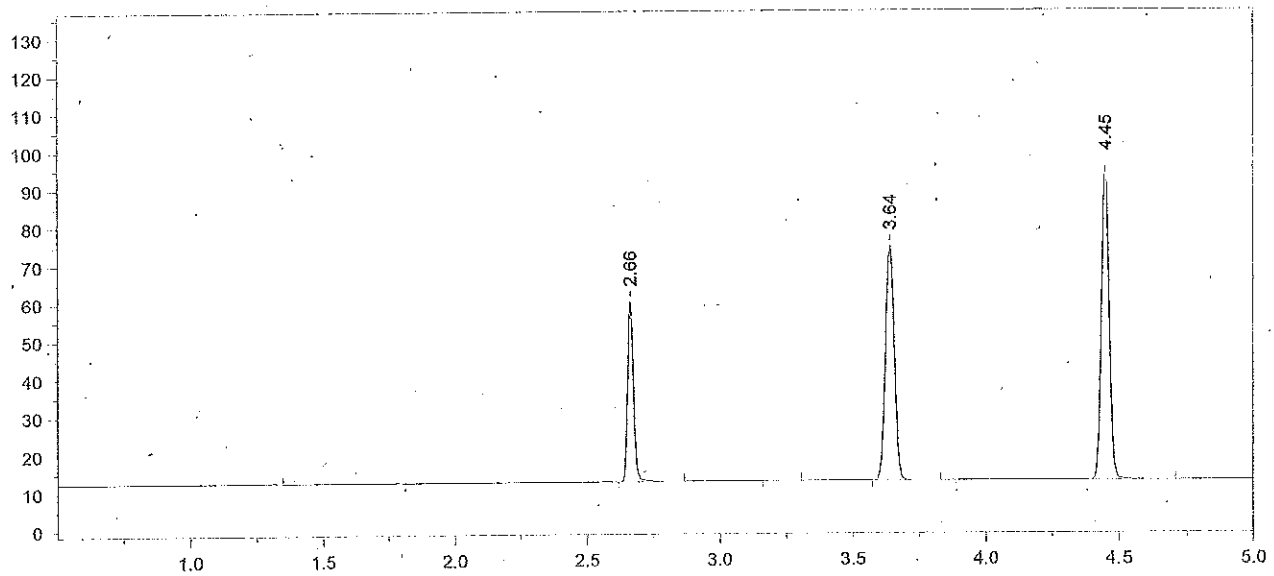
$\bar{X}$ = 0.080
11/13/12



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/7/2012
Today's Time = 7:32:56 PM
Bound File Name = SIM11072012.0030.RAW
Sample Name = CCS
Date Taken = 11/7/2012 7:32:52 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM 11072012.CAL
Calibration Version = 2

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	81004	0.0811	0.0662
4	3.64	t-Butanol	165078	1.0218	0.8340
5	4.45	n-Propanol	197916	1.0000	0.8162

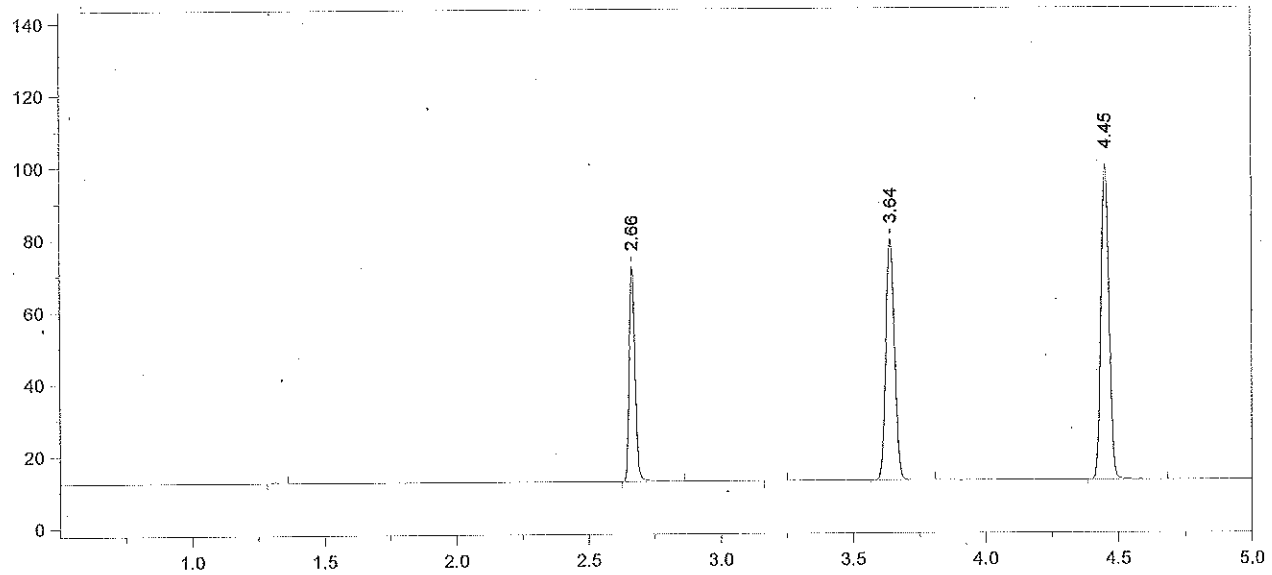


Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/7/2012
Today's Time = 7:48:24 PM
Bound File Name = SIM11072012.0031.RAW
Sample Name = CCS
Date Taken = 11/7/2012 7:48:16 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM 11072012.CAL
Calibration Version = 2

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	73169	0.0823	0.0672
4	3.64	t-Butanol	143024	0.9942	0.8115
5	4.45	n-Propanol	176231	1.0000	0.8162

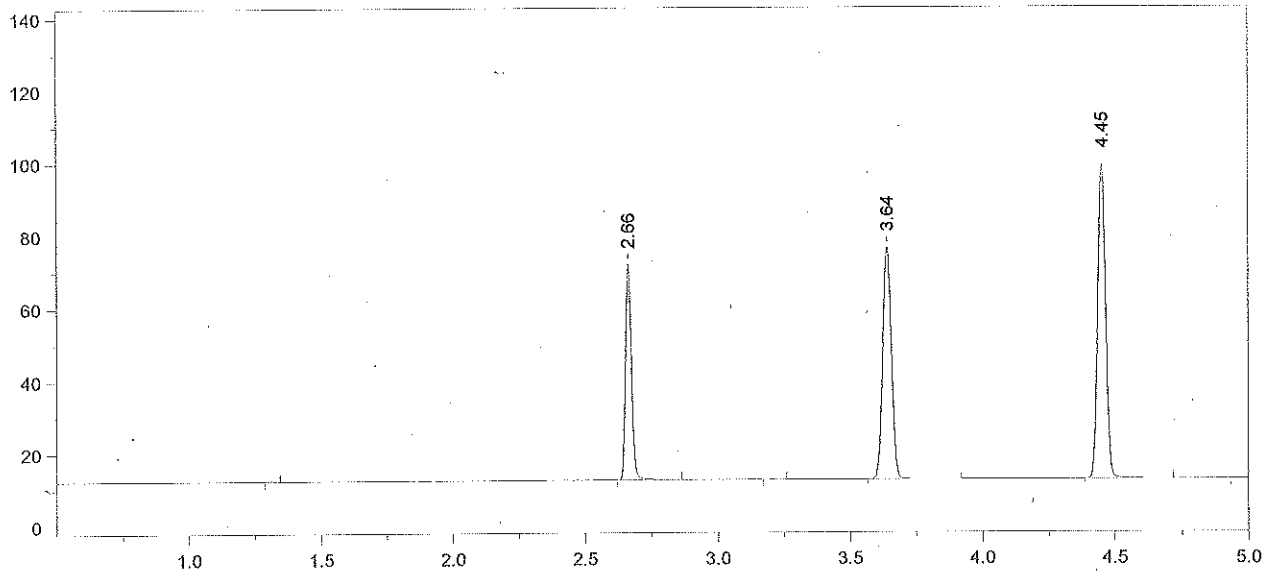
$\bar{X}$ = 0.082 ✓
11/13/12
A



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/7/2012
Today's Time = 8:04:32 PM
Bound File Name = SIM11072012.0032.RAW
Sample Name = 0.08 ALB
Date Taken = 11/7/2012 8:04:24 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM 11072012.CAL
Calibration Version = 2

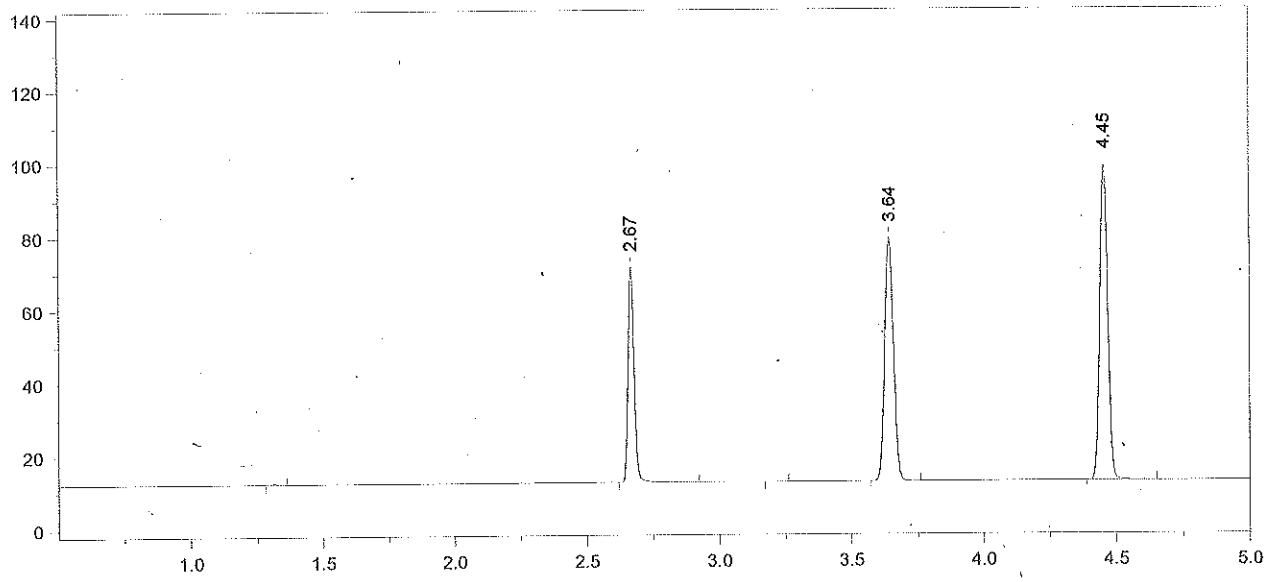
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	91831	0.0980	0.0800
4	3.64	t-Butanol	154733	1.0199	0.8325
5	4.45	n-Propanol	185848	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/7/2012
Today's Time = 8:18:10 PM
Bound File Name = SIM11072012.0033.RAW
Sample Name = 0.08 ALB
Date Taken = 11/7/2012 8:18:00 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM 11072012.CAL
Calibration Version = 2

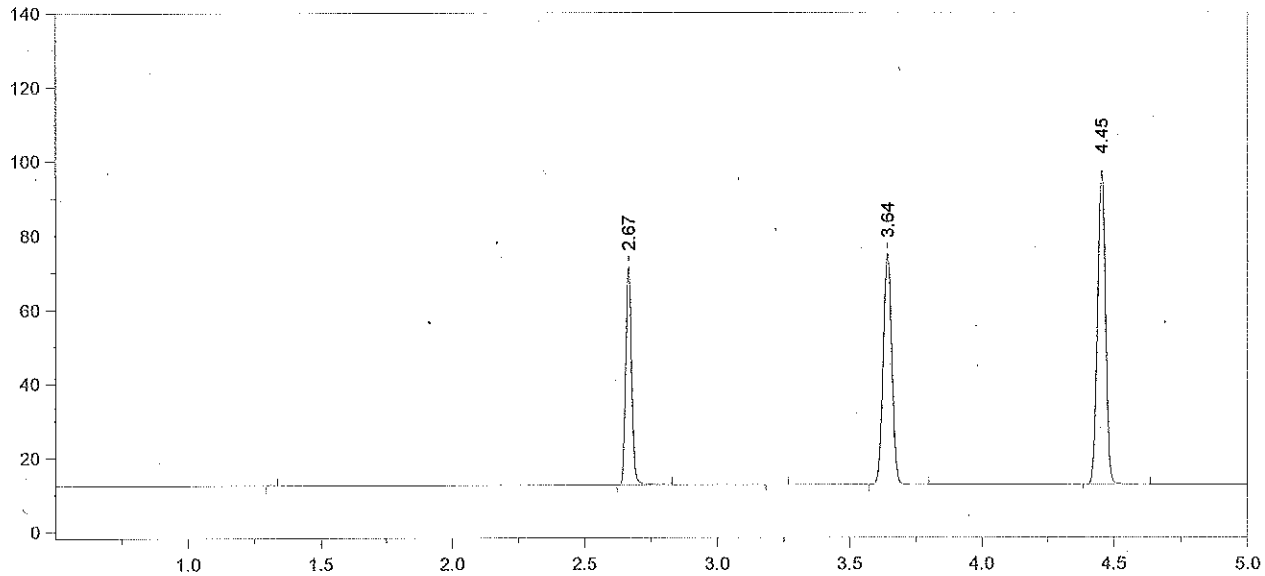
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	91550	0.0982	0.0801
4	3.64	t-Butanol	147609	0.9783	0.7985
5	4.45	n-Propanol	184840	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/7/2012
Today's Time = 8:34:17 PM
Bound File Name = SIM11072012.0034.RAW
Sample Name = 0.08 ALB
Date Taken = 11/7/2012 8:34:08 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM 11072012.CAL
Calibration Version = 2

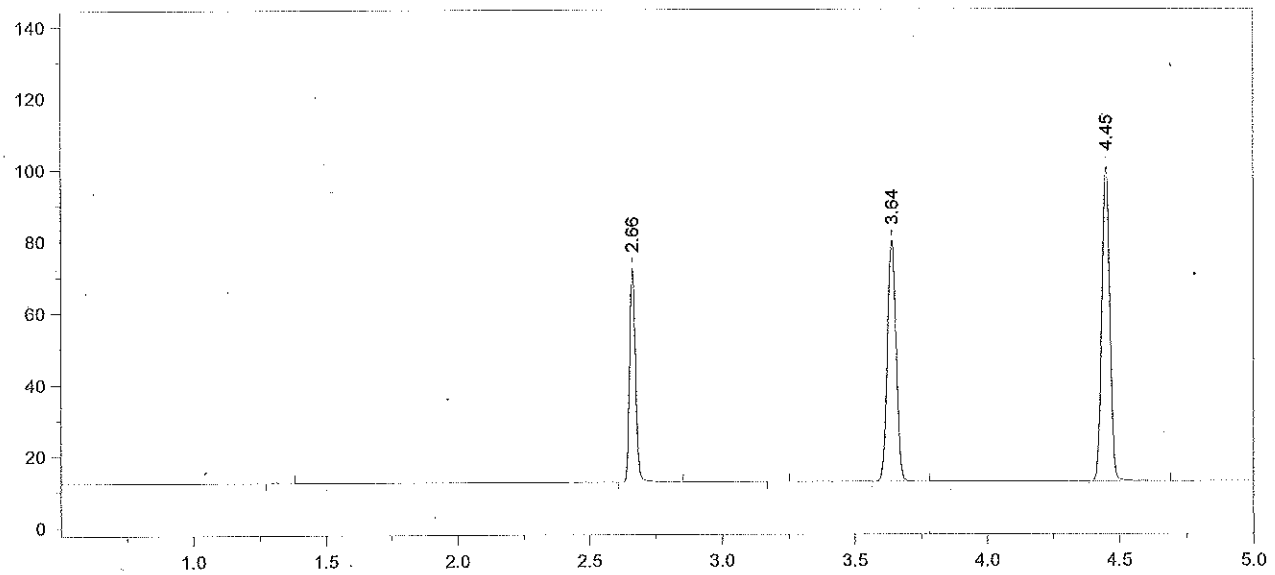
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	91047	0.0984	0.0803
4	3.64	t-Butanol	153191	1.0234	0.8353
5	4.45	n-Propanol	183371	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/7/2012
Today's Time = 8:49:33 PM
Bound File Name = SIM11072012.0035.RAW
Sample Name = 0.08 ALB
Date Taken = 11/7/2012 8:49:26 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM 11072012.CAL
Calibration Version = 2

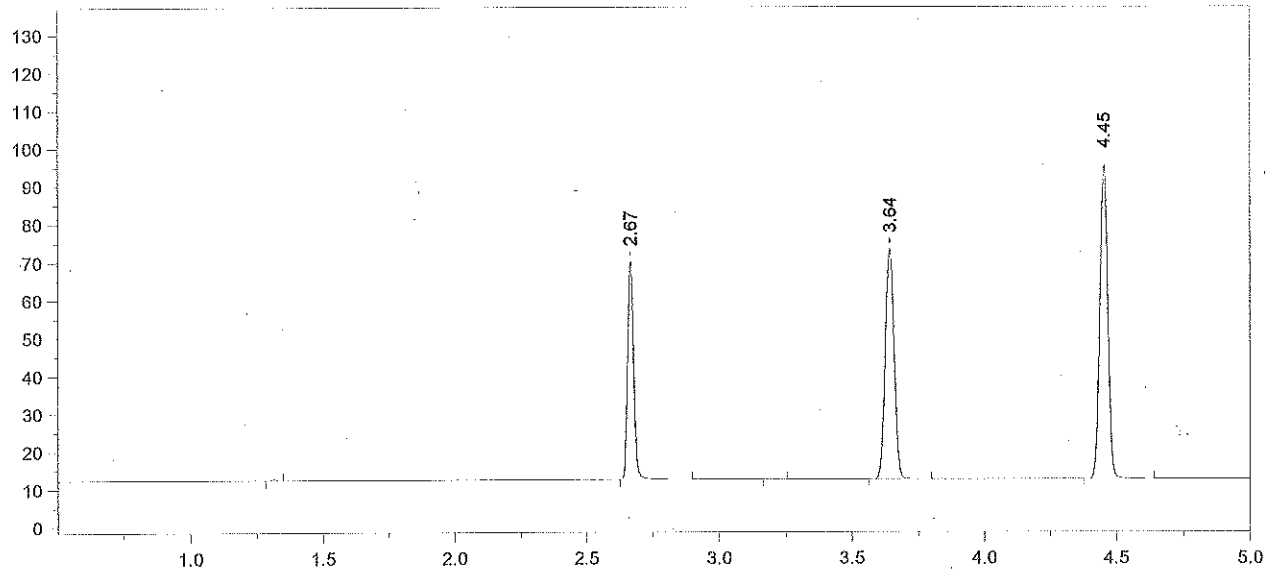
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	90627	0.1001	0.0817
4	3.64	t-Butanol	143411	0.9791	0.7991
5	4.45	n-Propanol	179437	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/7/2012
Today's Time = 9:04:09 PM
Bound File Name = SIM11072012.0036.RAW
Sample Name = 0.08 ALB
Date Taken = 11/7/2012 9:04:02 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM 11072012.CAL
Calibration Version = 2

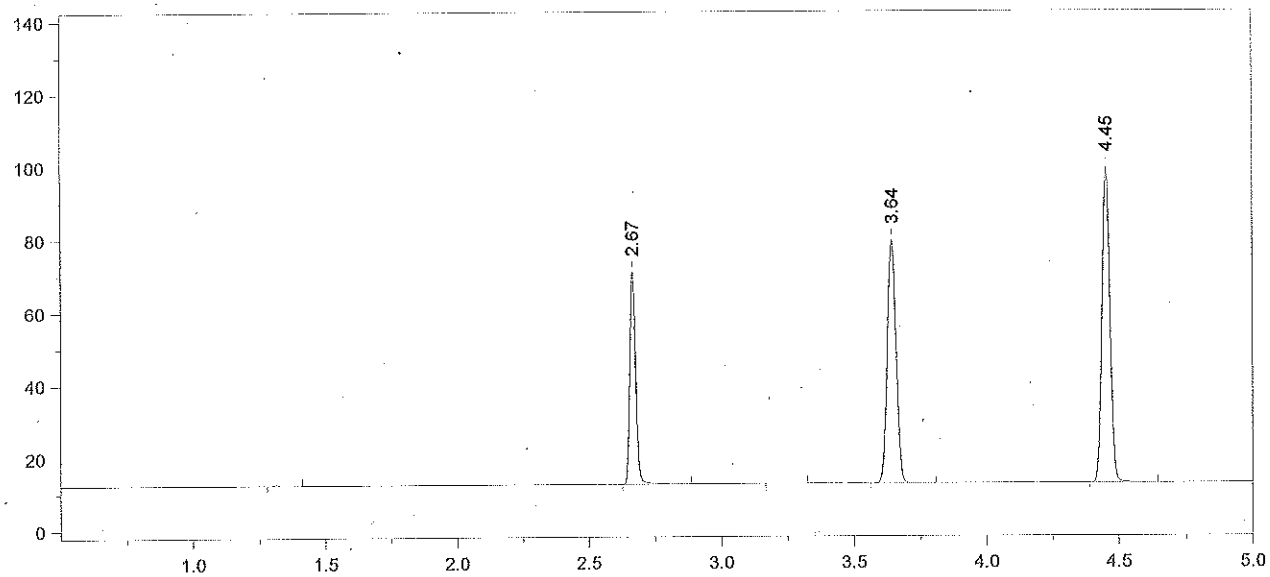
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	92608	0.0984	0.0803
4	3.64	t-Butanol	155339	1.0195	0.8321
5	4.45	n-Propanol	186664	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/7/2012
Today's Time = 9:19:17 PM
Bound File Name = SIM11072012.0037.RAW
Sample Name = 0.08 ALB
Date Taken = 11/7/2012 9:19:10 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM 11072012.CAL
Calibration Version = 2

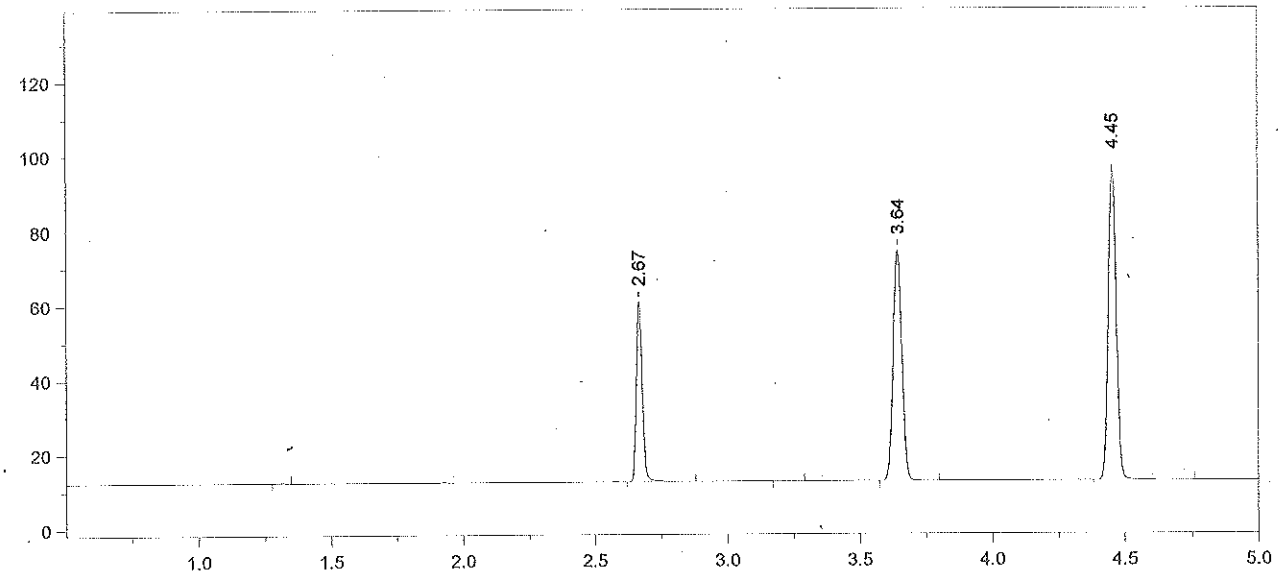
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	88959	0.1003	0.0819
4	3.64	t-Butanol	140573	0.9794	0.7994
5	4.45	n-Propanol	175826	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/7/2012
Today's Time = 9:35:53 PM
Bound File Name = SIM11072012.0038.RAW
Sample Name = 0.08 ALB
Date Taken = 11/7/2012 9:35:46 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM 11072012.CAL
Calibration Version = 2

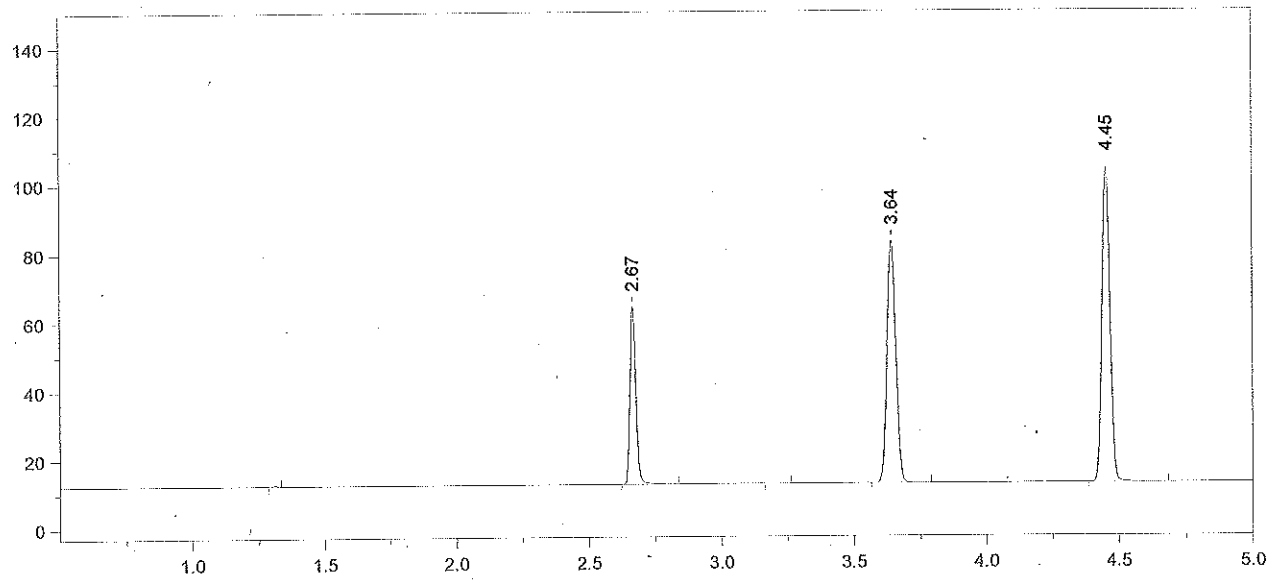
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	90513	0.0980	0.0800
4	3.64	t-Butanol	154102	1.0314	0.8418
5	4.45	n-Propanol	183037	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/7/2012
Today's Time = 9:49:37 PM
Bound File Name = SIM11072012.0039.RAW
Sample Name = CCS
Date Taken = 11/7/2012 9:49:32 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM 11072012.CAL
Calibration Version = 2

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	74739	0.0828	0.0676
4	3.64	t-Butanol	142518	0.9761	0.7967
5	4.45	n-Propanol	178859	1.0000	0.8162

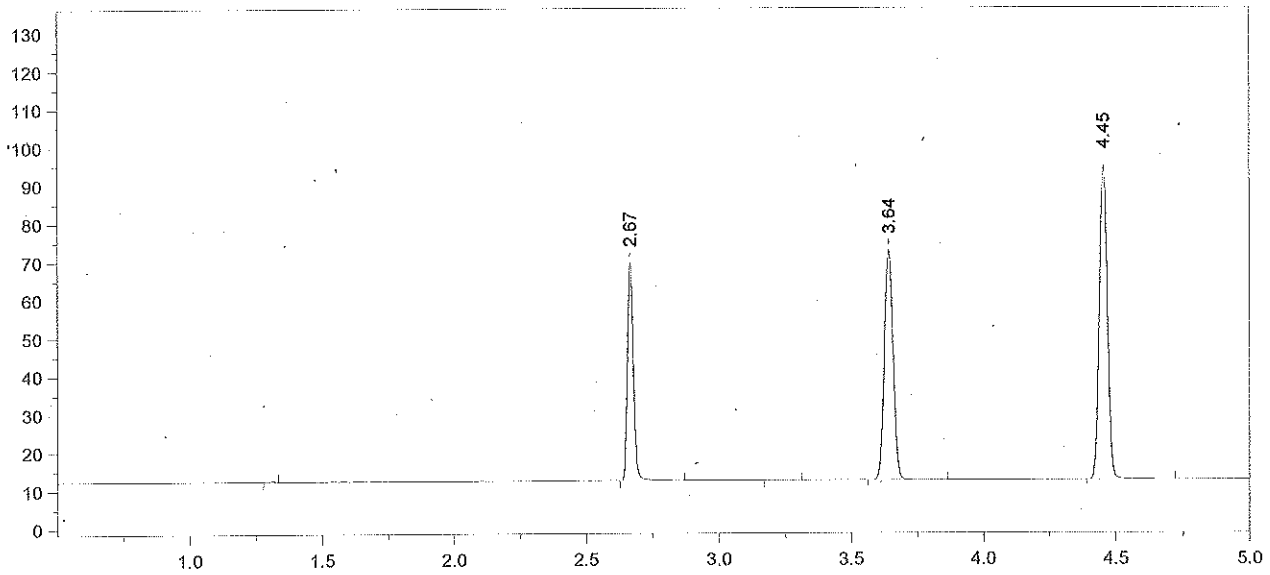


Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/7/2012
Today's Time = 10:07:23 PM
Bound File Name = SIM11072012.0040.RAW
Sample Name = CCS
Date Taken = 11/7/2012 10:07:13 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM 11072012.CAL
Calibration Version = 2

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	79557	0.0810	0.0661
4	3.64	t-Butanol	162668	1.0230	0.8350
5	4.45	n-Propanol	194790	1.0000	0.8162

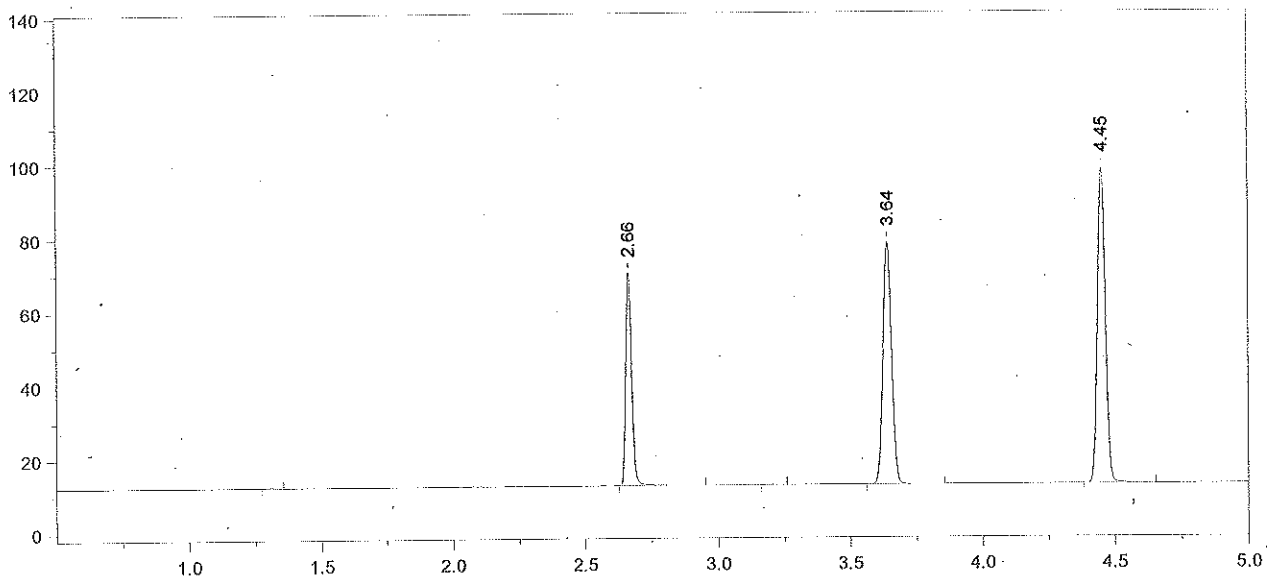
$\bar{x}$ = 0.082
11/13/12 ✓
(A)



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/7/2012
Today's Time = 10:20:39 PM
Bound File Name = SIM11072012.0041.RAW
Sample Name = 0.08 TLC
Date Taken = 11/7/2012 10:20:31 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM 11072012.CAL
Calibration Version = 2

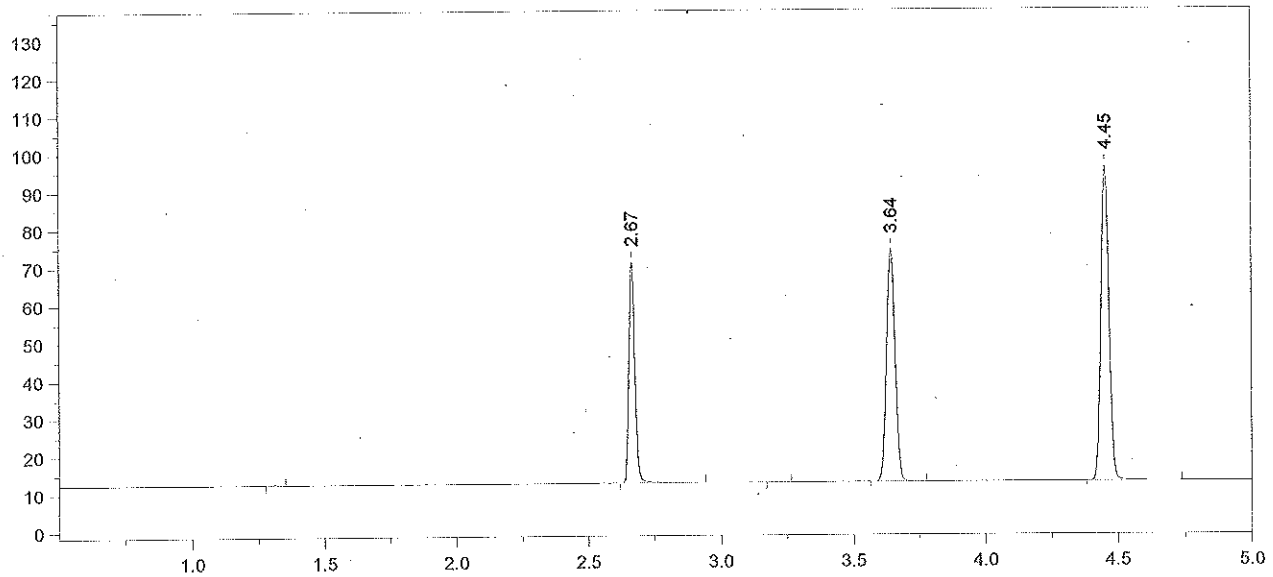
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	88513	0.1003	0.0819
4	3.64	t-Butanol	139725	0.9786	0.7988
5	4.45	n-Propanol	174907	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/7/2012
Today's Time = 10:38:47 PM
Bound File Name = SIM11072012.0042.RAW
Sample Name = 0.08 TLC
Date Taken = 11/7/2012 10:38:37 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM 11072012.CAL
Calibration Version = 2

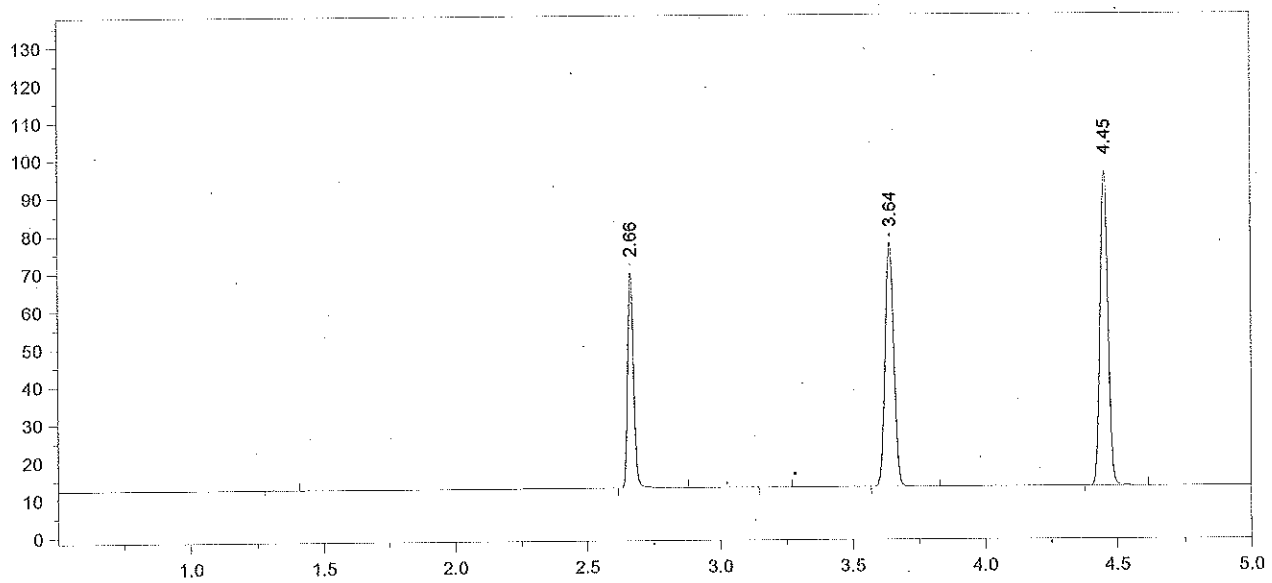
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	90075	0.0986	0.0805
4	3.64	t-Butanol	152312	1.0299	0.8406
5	4.45	n-Propanol	181163	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/7/2012
Today's Time = 10:52:25 PM
Bound File Name = SIM11072012.0043.RAW
Sample Name = 0.08 TLC
Date Taken = 11/7/2012 10:52:18 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM 11072012.CAL
Calibration Version = 2

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	90218	0.1016	0.0829
4	3.64	t-Butanol	141838	0.9867	0.8054
5	4.45	n-Propanol	176097	1.0000	0.8162

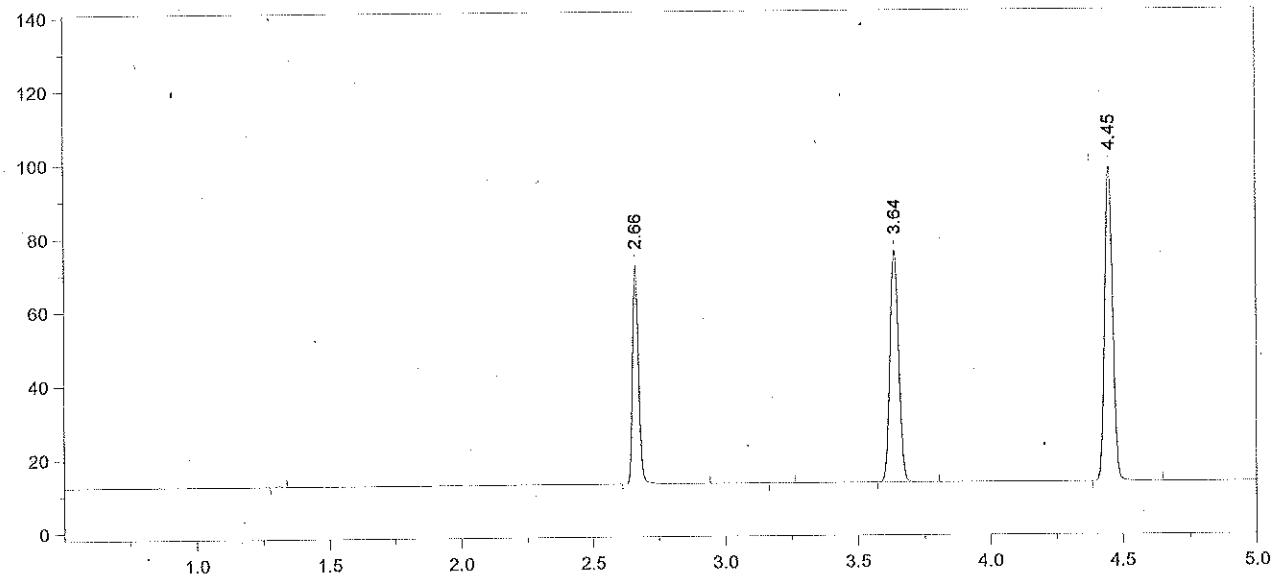


Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/7/2012
Today's Time = 11:10:11 PM
Bound File Name = SIM11072012.0044.RAW
Sample Name = 0.08 TLC
Date Taken = 11/7/2012 11:10:05 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM 11072012.CAL
Calibration Version = 2

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	88341	0.0992	0.0810
4	3.64	t-Butanol	149391	1.0370	0.8464
5	4.45	n-Propanol	176484	1.0000	0.8162

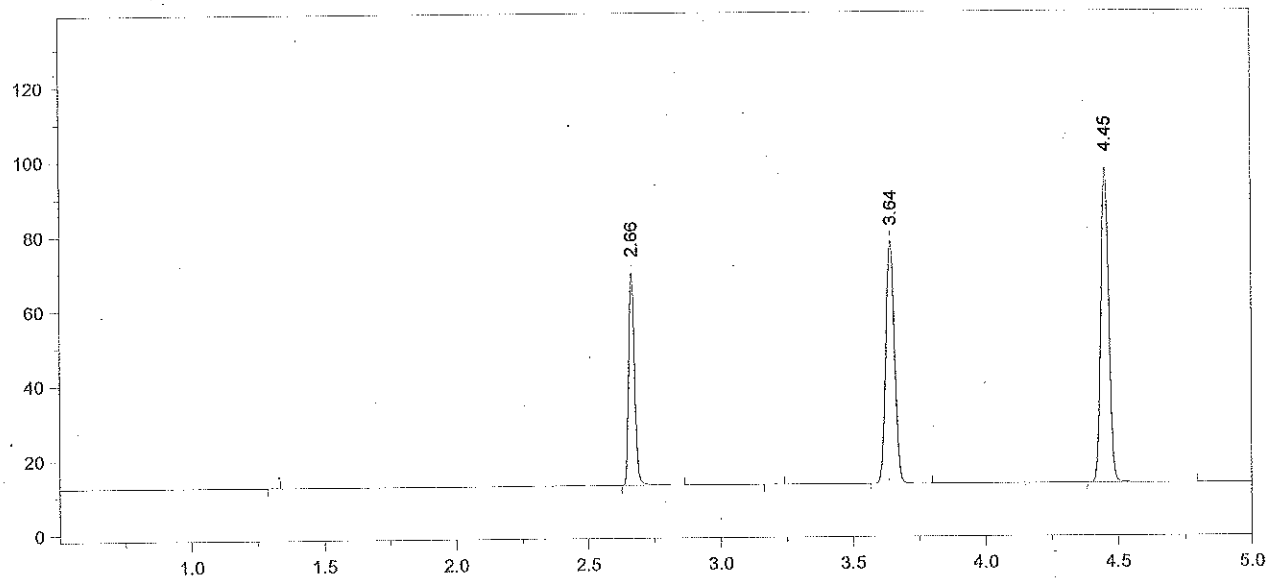
Chrom Perfect Chromatogram Report



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/7/2012
Today's Time = 11:23:57 PM
Bound File Name = SIM11072012.0045.RAW
Sample Name = 0.08 TLC
Date Taken = 11/7/2012 11:23:50 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM 11072012.CAL
Calibration Version = 2

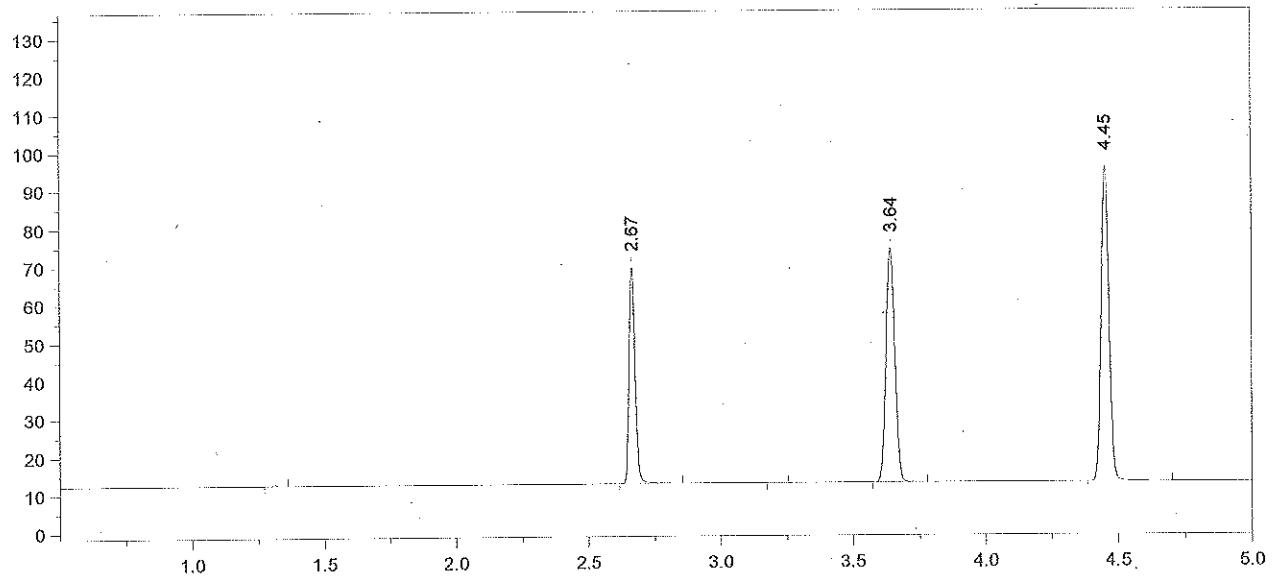
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	92197	0.1014	0.0828
4	3.64	t-Butanol	145128	0.9864	0.8051
5	4.45	n-Propanol	180235	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/7/2012
Today's Time = 11:41:42 PM
Bound File Name = SIM11072012.0046.RAW
Sample Name = 0.08 TLC
Date Taken = 11/7/2012 11:41:31 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM 11072012.CAL
Calibration Version = 2

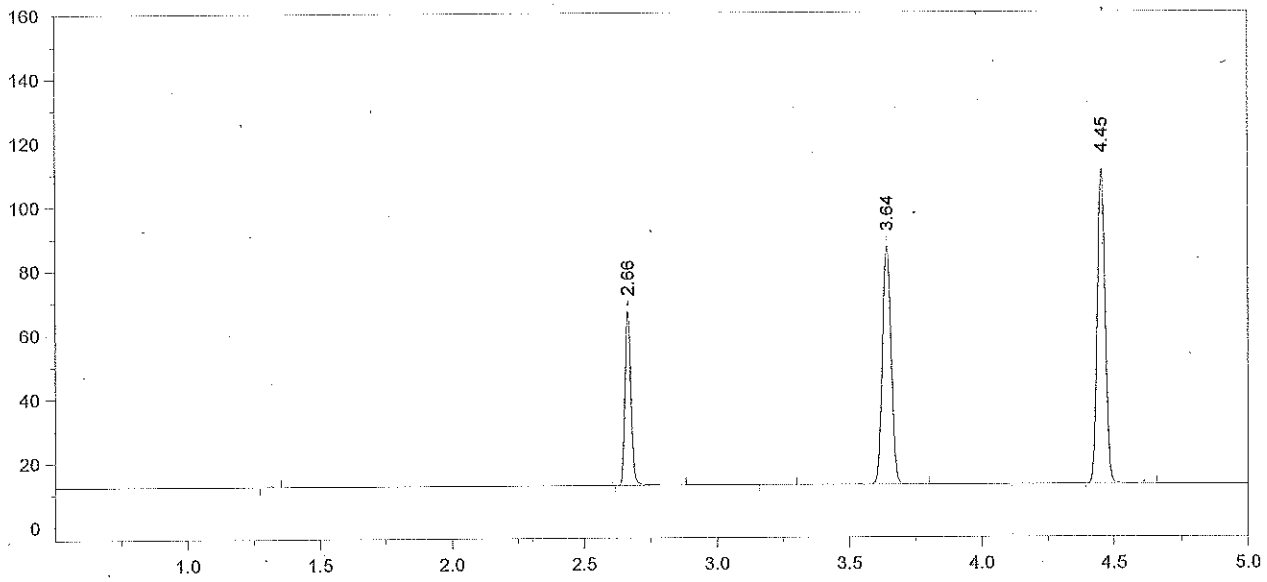
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	88420	0.0977	0.0797
4	3.64	t-Butanol	150461	1.0274	0.8385
5	4.45	n-Propanol	179413	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/7/2012
Today's Time = 11:55:27 PM
Bound File Name = SIM11072012.0047.RAW
Sample Name = 0.08 TLC
Date Taken = 11/7/2012 11:55:19 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM 11072012.CAL
Calibration Version = 2

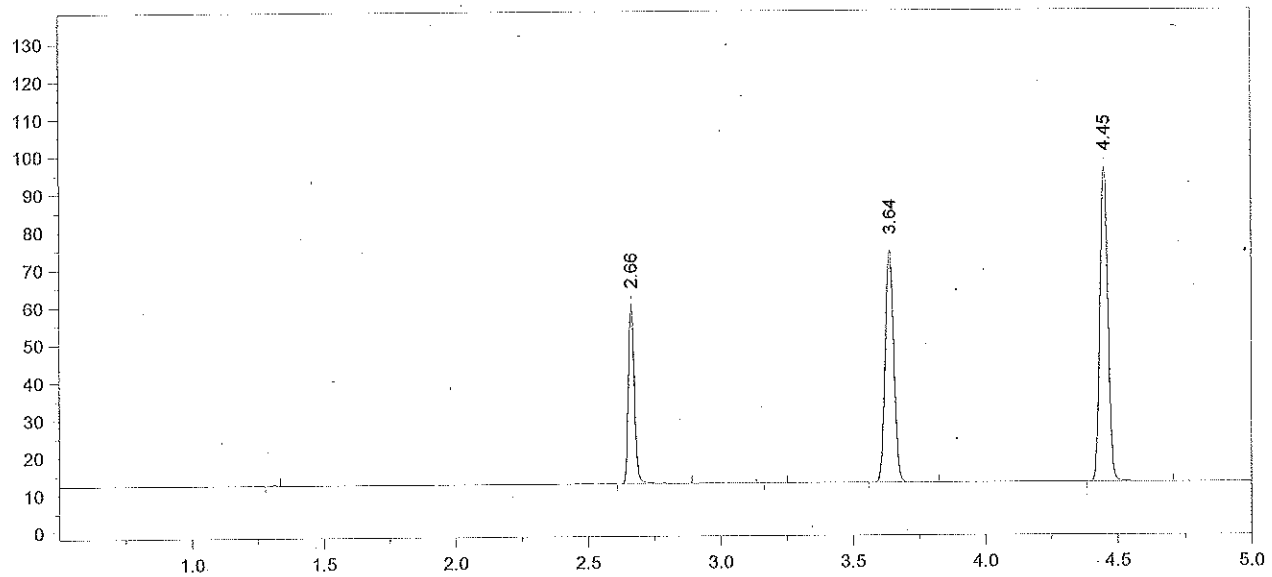
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	88454	0.1005	0.0820
4	3.64	t-Butanol	142038	0.9968	0.8136
5	4.45	n-Propanol	174566	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/8/2012
Today's Time = 12:11:24 AM
Bound File Name = SIM11072012.0048.RAW
Sample Name = CCS
Date Taken = 11/8/2012 12:11:16 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM 11072012.CAL
Calibration Version = 2

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	84560	0.0807	0.0659
4	3.64	t-Butanol	172090	1.0154	0.8288
5	4.45	n-Propanol	207620	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/8/2012
Today's Time = 12:26:52 AM
Bound File Name = SIM11072012.0049.RAW
Sample Name = CCS
Date Taken = 11/8/2012 12:26:44 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM 11072012.CAL
Calibration Version = 2

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	74689	0.0831	0.0678
4	3.64	t-Butanol	142775	0.9818	0.8014
5	4.45	n-Propanol	178142	1.0000	0.8162

$\bar{x}$ = 0.082
11/13/12
A

Headspace Alcohol Analysis Standards Coversheet

Analyst: TLC Date: 11/15/2012

Calibration Standards:

Lot ID: ES-10012012 Preparation Date: 10/1/2012 Expiration Date: 1/1/2013

	Standard A	Standard B	Standard C	Standard D	Standard E	Calibration Check (c)
% Ethanol (w/v)	0.006	0.024	0.081	0.200	0.403	.081
Acceptance Range (± 10%)	0.007	0.026	0.089	0.220	0.443	.089
	0.005	0.022	0.073	0.180	0.363	.073

Control Sample:

Sample	Source	Lot number	Target Value	Acceptance Range	
Aqueous	Cerilliant	FN021111-03	0.080	0.072	0.088

Calibration and Control Sample Data:

Vial No.	Sample Identification		Result	In Range?	Comments
1	Blank		<0.005	(Y) N	
2	Compound Retention Times:			N/A	
		Acetaldehyde	1.92		
		Methanol	2.03		
		Ethanol	2.67		
		Acetone	3.07		
		Isopropanol	3.20		
		T- butanol	3.64		
		n-propanol	4.45		
3	Standard A		0.006	(Y) N	
4	Standard B		0.023	(Y) N	
5	Standard C		0.081	(Y) N	
6	Standard D		0.197	(Y) N	
7	Standard E		0.404	(Y) N	
8	Aqueous QC		0.0764	(Y) N	AQ QC AVG= 0.078 ✓
9	Aqueous QC		0.0797	(Y) N	

TLC 11/15/2012

Chrom Perfect Sequence File

File Name = C:\Alcohol Data\VFL11082012\VFL11082012.SEQ
Version = 2
File Date = 11/9/2012 9:45:22 AM

Entry #	Raw File Name	Method File Name	Sample Name	Sample Wt.	Int. Std. Amount
1	VFL11082012.0001.raw	Blood Alc New VFL.MET	Blank	1.00	1.00
2	VFL11082012.0002.raw	Blood Alc New VFL.MET	TMX	1.00	1.00
3	VFL11082012.0003.raw	Blood Alc New VFL.MET	STD A	1.00	1.00
4	VFL11082012.0004.raw	Blood Alc New VFL.MET	STD B	1.00	1.00
5	VFL11082012.0005.raw	Blood Alc New VFL.MET	STD C	1.00	1.00
6	VFL11082012.0006.raw	Blood Alc New VFL.MET	STD D	1.00	1.00
7	VFL11082012.0007.raw	Blood Alc New VFL.MET	STD E	1.00	1.00
8	VFL11082012.0008.raw	Blood Alc New VFL.MET	WB	1.00	1.00
9	VFL11082012.0009.raw	Blood Alc New VFL.MET	WB	1.00	1.00
10	VFL11082012.0010.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
11	VFL11082012.0011.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
12	VFL11082012.0012.raw	Blood Alc New VFL.MET	[redacted]	1.00	1.00
13	VFL11082012.0013.raw	Blood Alc New VFL.MET	[redacted]	1.00	1.00
14	VFL11082012.0014.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
15	VFL11082012.0015.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
16	VFL11082012.0016.raw	Blood Alc New VFL.MET	AQ QC	1.00	1.00
17	VFL11082012.0017.raw	Blood Alc New VFL.MET	AQ QC	1.00	1.00
18	VFL11082012.0018.raw	simsoln.met	TLC 0.08 1	1.00	1.00
19	VFL11082012.0019.raw	simsoln.met	TLC 0.08 2	1.00	1.00
20	VFL11082012.0020.raw	simsoln.met	TLC 0.08 3	1.00	1.00
21	VFL11082012.0021.raw	simsoln.met	TLC 0.08 4	1.00	1.00
22	VFL11082012.0022.raw	simsoln.met	TLC 0.08 5	1.00	1.00
23	VFL11082012.0023.raw	simsoln.met	TLC 0.08 6	1.00	1.00
24	VFL11082012.0024.raw	simsoln.met	TLC 0.08 7	1.00	1.00
25	VFL11082012.0025.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
26	VFL11082012.0026.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
27	VFL11082012.0027.raw	simsoln.met	ALB 0.08 1	1.00	1.00
28	VFL11082012.0028.raw	simsoln.met	ALB 0.08 2	1.00	1.00
29	VFL11082012.0029.raw	simsoln.met	ALB 0.08 3	1.00	1.00
30	VFL11082012.0030.raw	simsoln.met	ALB 0.08 4	1.00	1.00
31	VFL11082012.0031.raw	simsoln.met	ALB 0.08 5	1.00	1.00
32	VFL11082012.0032.raw	simsoln.met	ALB 0.08 6	1.00	1.00
33	VFL11082012.0033.raw	simsoln.met	ALB 0.08 7	1.00	1.00
34	VFL11082012.0034.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
35	VFL11082012.0035.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
36	VFL11082012.0036.raw	simsoln.met	TLC 0.4 1	1.00	1.00
37	VFL11082012.0037.raw	simsoln.met	TLC 0.4 2	1.00	1.00
38	VFL11082012.0038.raw	simsoln.met	TLC 0.4 3	1.00	1.00
39	VFL11082012.0039.raw	simsoln.met	TLC 0.4 4	1.00	1.00
40	VFL11082012.0040.raw	simsoln.met	TLC 0.4 5	1.00	1.00
41	VFL11082012.0041.raw	simsoln.met	TLC 0.4 6	1.00	1.00
42	VFL11082012.0042.raw	simsoln.met	TLC 0.4 7	1.00	1.00
43	VFL11082012.0043.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
44	VFL11082012.0044.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
45	VFL11082012.0045.raw	simsoln.met	ALB 0.4 1	1.00	1.00
46	VFL11082012.0046.raw	simsoln.met	ALB 0.4 2	1.00	1.00
47	VFL11082012.0047.raw	simsoln.met	ALB 0.4 3	1.00	1.00
48	VFL11082012.0048.raw	simsoln.met	ALB 0.4 4	1.00	1.00
49	VFL11082012.0049.raw	simsoln.met	ALB 0.4 5	1.00	1.00
50	VFL11082012.0050.raw	simsoln.met	ALB 0.4 6	1.00	1.00
51	VFL11082012.0051.raw	simsoln.met	ALB 0.4 7	1.00	1.00
52	VFL11082012.0052.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
53	VFL11082012.0053.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
54	VFL11082012.0054.raw	Blood Alc New VFL.MET	CCS 110912	1.00	1.00
55	VFL11082012.0055.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
56	VFL11082012.0056.raw	simsoln.met	0.08 ALB	1.00	1.00
57	VFL11082012.0057.raw	simsoln.met	0.08 ALB	1.00	1.00
58	VFL11082012.0058.raw	simsoln.met	0.08 ALB	1.00	1.00
59	VFL11082012.0059.raw	simsoln.met	0.08 ALB	1.00	1.00
60	VFL11082012.0060.raw	simsoln.met	0.08 ALB	1.00	1.00
61	VFL11082012.0061.raw	simsoln.met	0.08 ALB	1.00	1.00
62	VFL11082012.0062.raw	simsoln.met	0.08 ALB	1.00	1.00

whole blood QC for evid. spls 11/13/12

evidentiary spls 11/13/12

vials not in autosampler at time of analysis, rerun 11/13/12

different solution not included 11/13/12

Chrom Perfect Sequence File

Entry #	Raw File Name	Method File Name	Sample Name	Sample Wt.	Int. Std. Amount
63	VFL11082012.0063.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
64	VFL11082012.0064.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
65	VFL11082012.0065.raw	simsoln.met	0.04 ALB	1.00	1.00
66	VFL11082012.0066.raw	simsoln.met	0.04 ALB	1.00	1.00
67	VFL11082012.0067.raw	simsoln.met	0.04 ALB	1.00	1.00
68	VFL11082012.0068.raw	simsoln.met	0.04 ALB	1.00	1.00
69	VFL11082012.0069.raw	simsoln.met	0.04 ALB	1.00	1.00
70	VFL11082012.0070.raw	simsoln.met	0.04 ALB	1.00	1.00
71	VFL11082012.0071.raw	simsoln.met	0.04 ALB	1.00	1.00
72	VFL11082012.0072.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
73	VFL11082012.0073.raw	Blood Alc New VFL.MET	CCS	1.00	1.00

different Solution not included 11/13/12

File Name: C:\Methods\VFL11082012.CAL
Version: 1

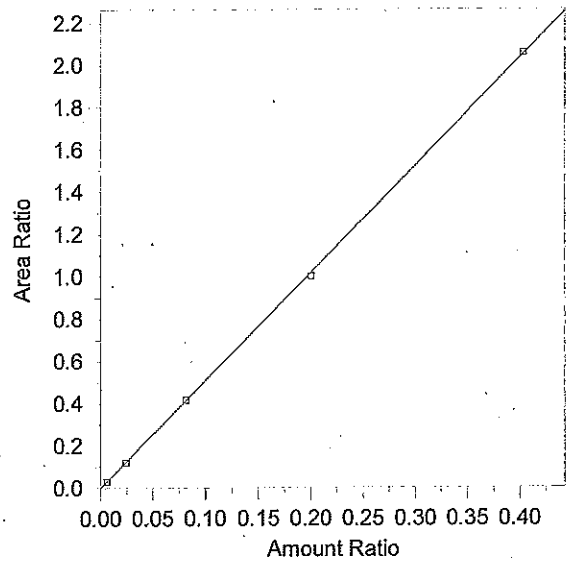
Creator:
Description:
Reason for change:

Internal standard calibration
No injection volume correction
No sample weight correction
Area reject threshold: 1000
Reference peak area reject threshold: 0
Amount units:
No default component

Method of calculating data point averages: Equal weight for all updates
No calibration update report

All levels are normal data points.

3 Ethanol



Expected retention time: 2.667 minutes
Search window: 0.1 minutes
Internal standard component: 7 (n-Propanol)
No retention time reference component
Group number: 0

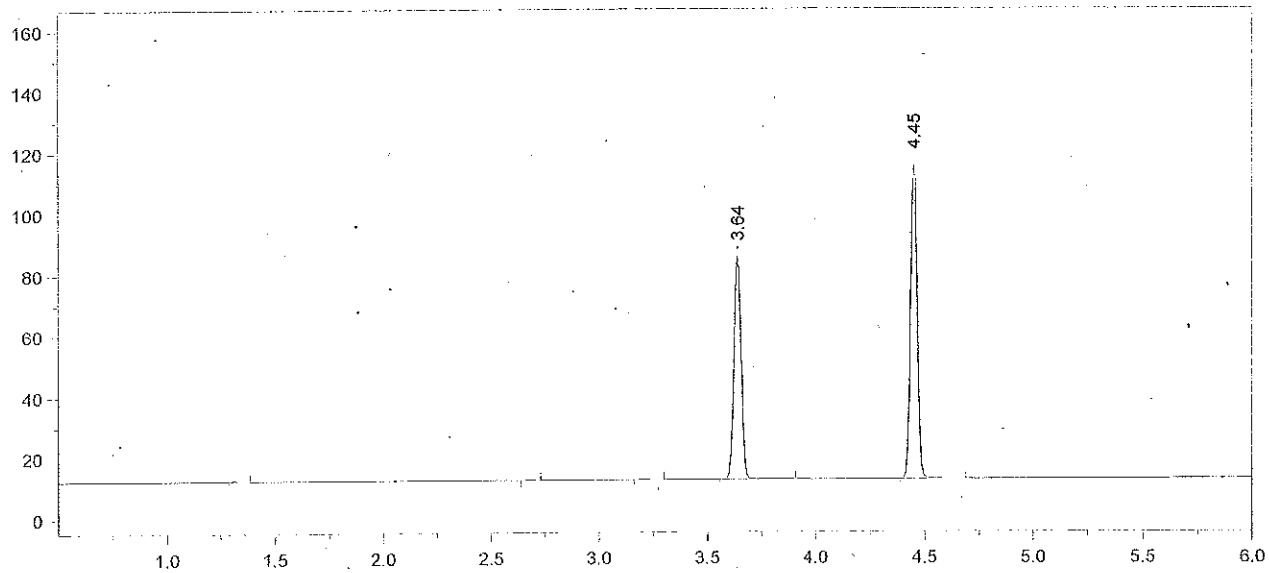
High alarm limit: 0
Low alarm limit: 0
Component constant: 0

Single peak quantification by area

Y = 5.083527 X + 0

Linear fit with equal weighting, forced to origin
Coefficient of determination: 0.9998693
Average error: 1.433%
Average CF: 5.059681
RSD: 1.904%

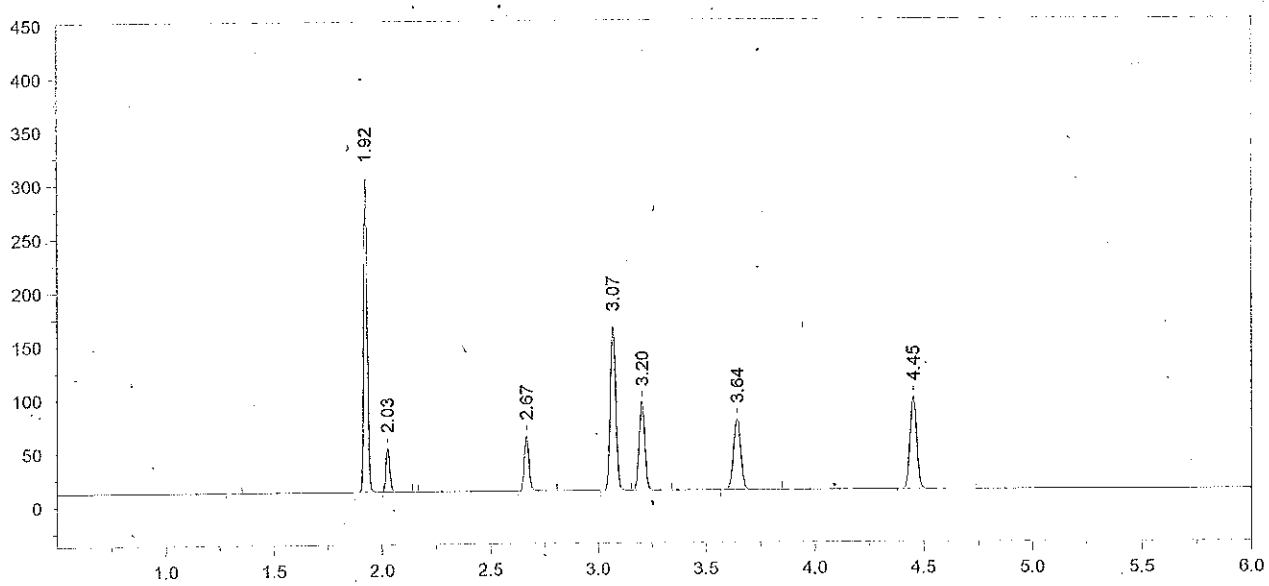
Level	Amount	Response	Cal Factor	Error, %	Amount Ratio	Response Ratio	Source	Date and time
1	(0.087)	(85146)	--	--	0.087	85146	Manual	8/8/2012 7:53:22 AM
2	0.006	6582.509	1097085	1.672	0.006	3.101114E-02	C:\Alcohol Data\VFL11082012\VFL11082012.0003.BND	11/8/2012 3:19:25 PM
3	0.0242	21826.11	901905.4	-3.113	0.0242	0.1191912	C:\Alcohol Data\VFL11082012\VFL11082012.0004.BND	11/8/2012 3:37:45 PM
4	0.0813	76394.92	939666.9	0.335	0.0813	0.4146773	C:\Alcohol Data\VFL11082012\VFL11082012.0005.BND	11/8/2012 3:51:19 PM
5	0.2004	216313.2	1079407	-1.643	0.2004	1.002001	C:\Alcohol Data\VFL11082012\VFL11082012.0006.BND	11/8/2012 4:07:21 PM
6	0.403	377838	937563.3	0.403	0.403	2.056927	C:\Alcohol Data\VFL11082012\VFL11082012.0007.BND	11/8/2012 4:22:49 PM



Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012
Today's Time = 11:03:44 AM
Bound File Name = VFL11082012.0001.RAW
Sample Name = Blank
Date Taken = 11/8/2012 2:48:42 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11082012.CAL
Calibration Version = 1

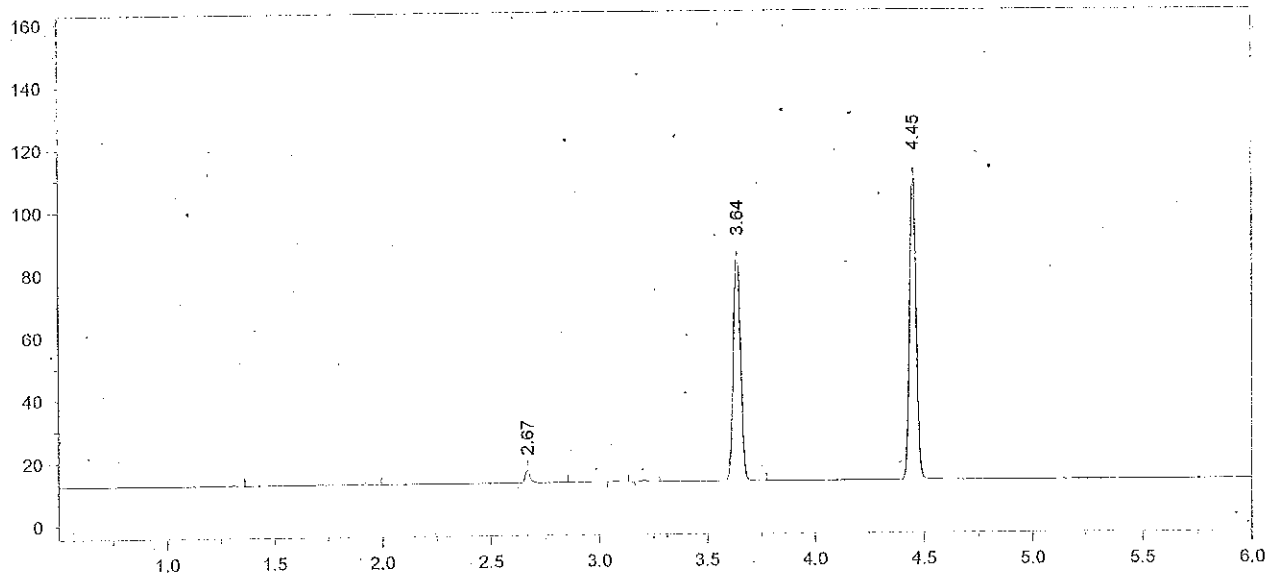
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
4	3.64	t-Butanol	168585	0.9468
5	4.45	n-Propanol	218929	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012
Today's Time = 11:04:04 AM
Bound File Name = VFL11082012.0002.RAW
Sample Name = TMX
Date Taken = 11/8/2012 3:06:08 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11082012.CAL
Calibration Version = 1

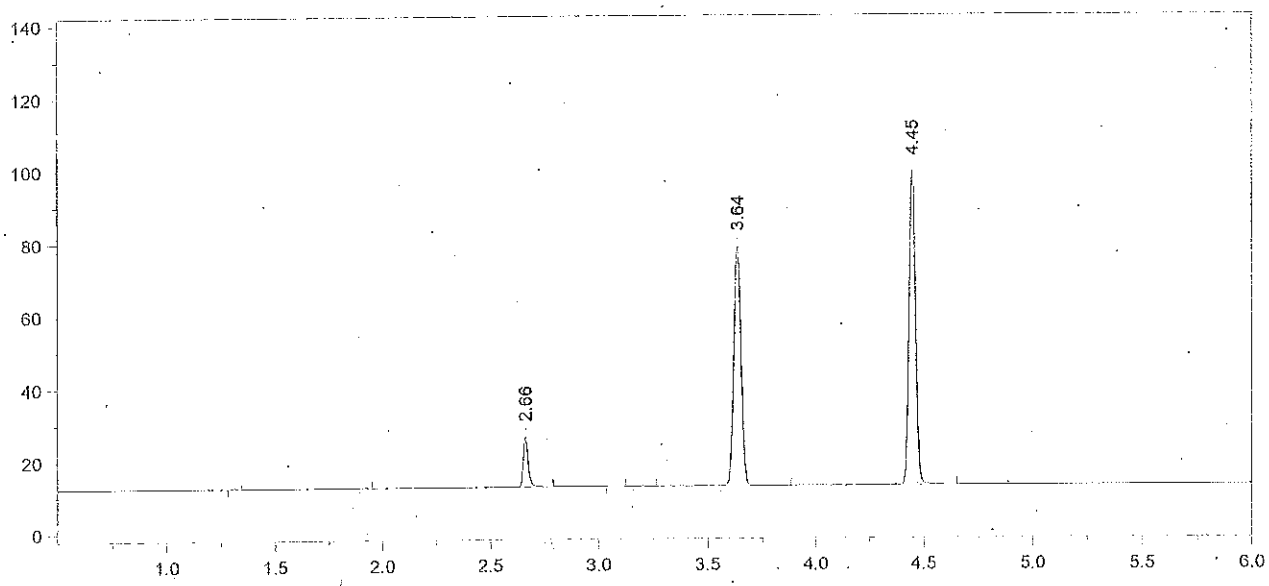
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	1.92	Acetaldehyde	335630	0.0720
3	2.03	Methanol	50602	0.1210
4	2.67	Ethanol	79170	0.0854
5	3.07	Acetone	258328	0.0690
6	3.20	Isopropanol	153210	0.0830
7	3.64	t-Butanol	152478	1.0282
8	4.45	n-Propanol	182342	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012
Today's Time = 11:04:12 AM
Bound File Name = VFL11082012.0003.RAW
Sample Name = STD A
Date Taken = 11/8/2012 3:19:19 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11082012.CAL
Calibration Version = 1

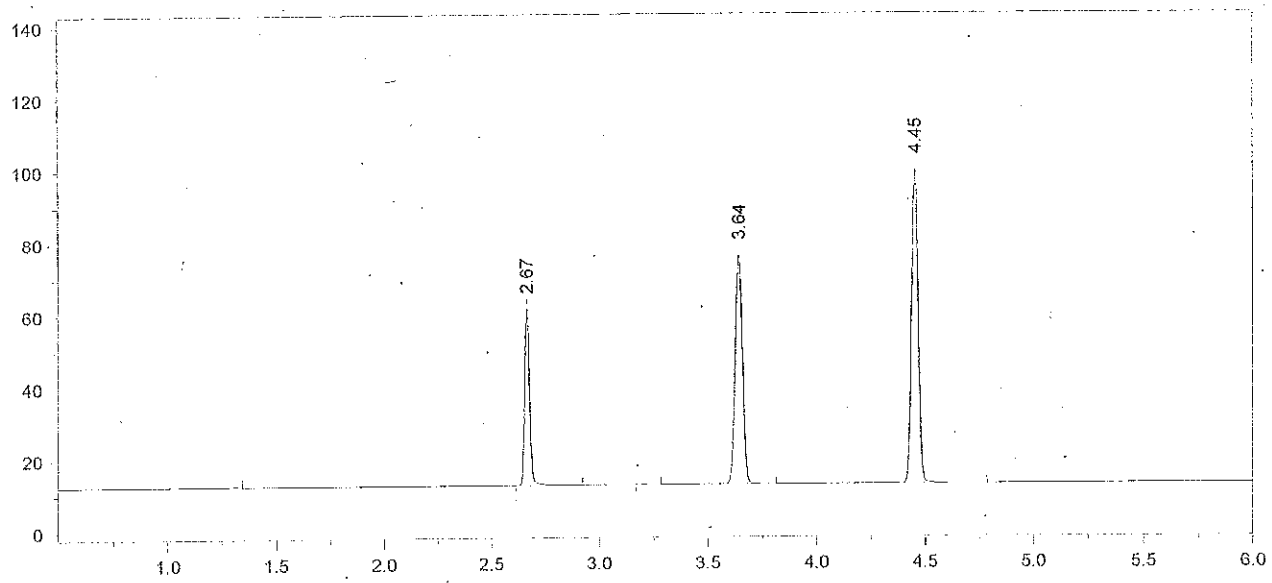
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.67	Ethanol	06583	0.0061
6	3.64	t-Butanol	169406	0.9813
7	4.45	n-Propanol	212263	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012
Today's Time = 11:04:20 AM
Bound File Name = VFL11082012.0004.RAW
Sample Name = STD B
Date Taken = 11/8/2012 3:37:35 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11082012.CAL
Calibration Version = 1

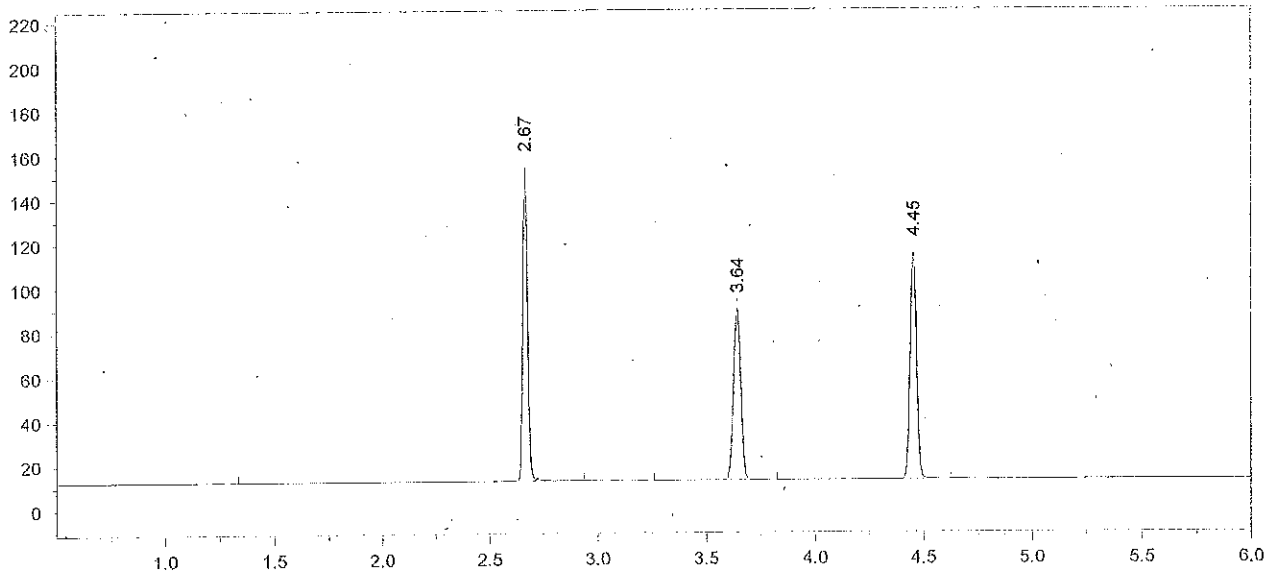
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.66	Ethanol	21826	0.0234
6	3.64	t-Butanol	153016	1.0275
7	4.45	n-Propanol	183119	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012
Today's Time = 11:04:28 AM
Bound File Name = VFL11082012.0005.RAW
Sample Name = STD C
Date Taken = 11/8/2012 3:51:11 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11082012.CAL
Calibration Version = 1

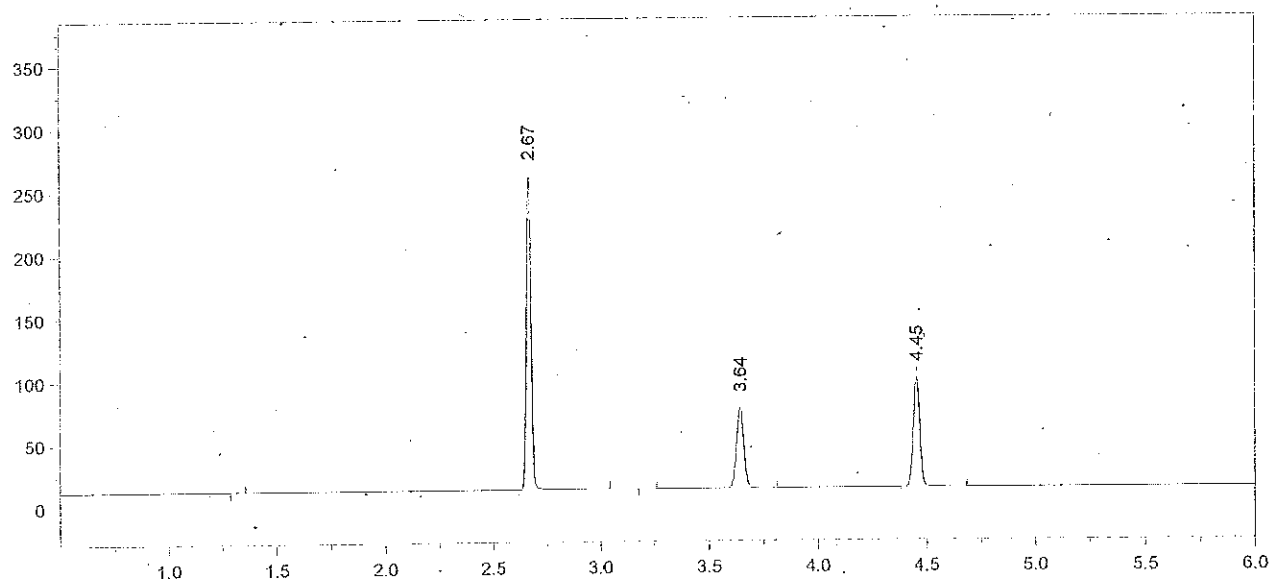
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	76395	0.0816
4	3.64	t-Butanol	146151	0.9755
5	4.45	n-Propanol	184227	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012
Today's Time = 11:04:37 AM
Bound File Name = VFL11082012.0006.RAW
Sample Name = STD D
Date Taken = 11/8/2012 4:07:14 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11082012.CAL
Calibration Version = 1

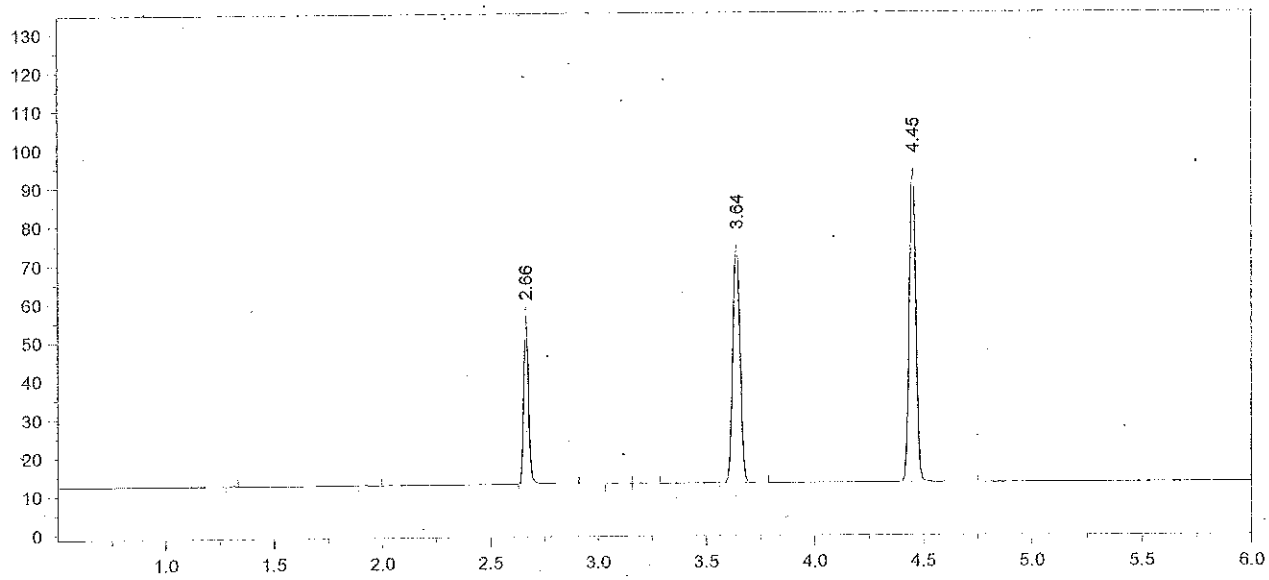
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	216313	0.1971
4	3.64	t-Butanol	177505	1.0110
5	4.45	n-Propanol	215881	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012
Today's Time = 11:04:46 AM
Bound File Name = VFL11082012.0007.RAW
Sample Name = STD E
Date Taken = 11/8/2012 4:22:42 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11082012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	377838	0.4046
4	3.64	t-Butanol	145884	0.9765
5	4.45	n-Propanol	183691	1.0000

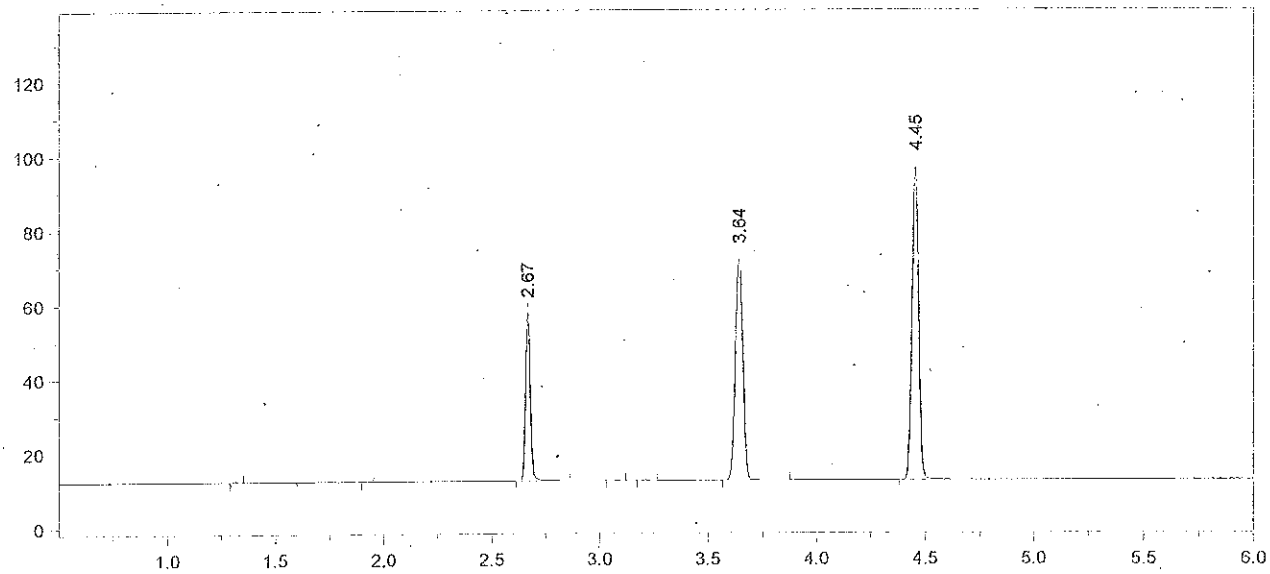


Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012
Today's Time = 11:04:56 AM
Bound File Name = VFL11082012.0008.RAW
Sample Name = WB
Date Taken = 11/8/2012 4:38:51 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11082012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.66	Ethanol	68005	0.0772
6	3.64	t-Butanol	142505	1.0118
7	4.45	n-Propanol	173174	1.0000

Whole blood QC used for evidentiary samples run on same sequence 11/13/12 deB

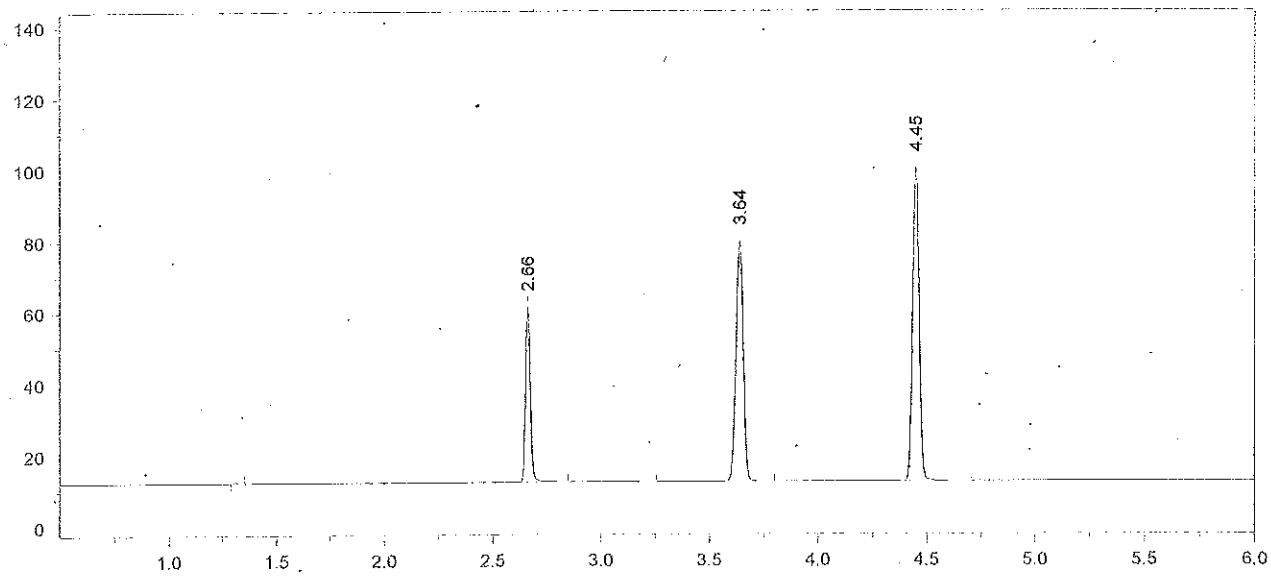


Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012
Today's Time = 11:05:05 AM
Bound File Name = VFL11082012.0009.RAW
Sample Name = WB
Date Taken = 11/8/2012 4:52:24 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11082012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.67	Ethanol	70341	0.0776
6	3.64	t-Butanol	137769	0.9499
7	4.45	n-Propanol	178340	1.0000

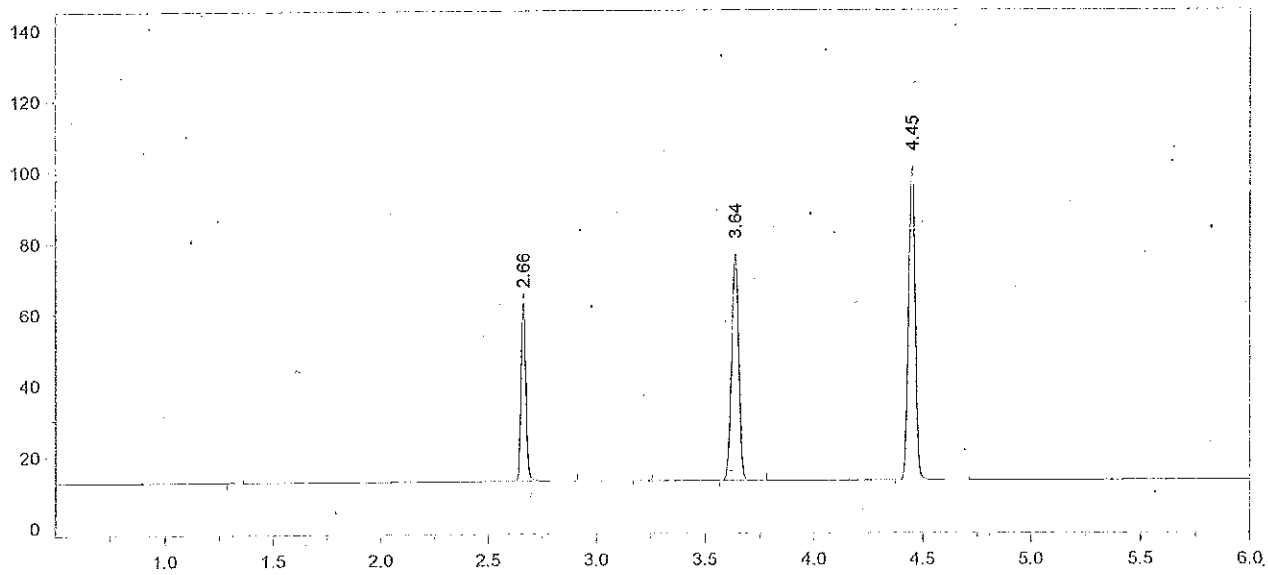
See #8 11/13/12



Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012
Today's Time = 11:05:14 AM
Bound File Name = VFL11082012.0010.RAW
Sample Name = CCS
Date Taken = 11/8/2012 5:08:35 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11082012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	75814	0.0801
4	3.64	t-Butanol	154892	1.0233
5	4.45	n-Propanol	186113	1.0000

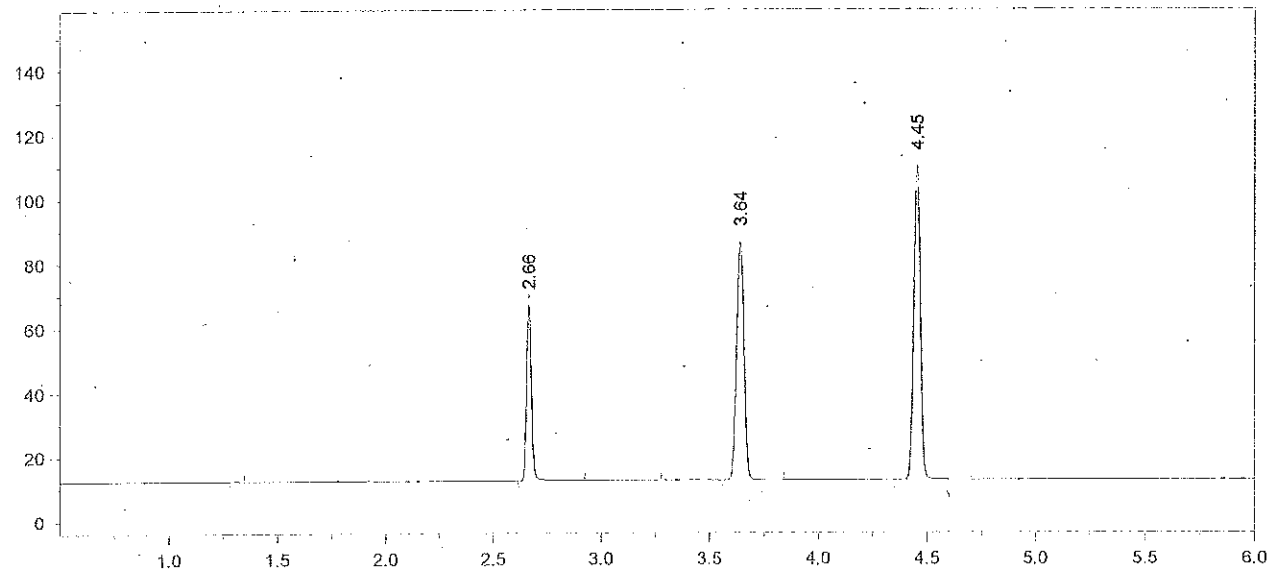


Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012
Today's Time = 11:05:22 AM
Bound File Name = VFL11082012.0011.RAW
Sample Name = CCS
Date Taken = 11/8/2012 5:24:16 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11082012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	78292	0.0824
4	3.64	t-Butanol	147138	0.9682
5	4.45	n-Propanol	186855	1.0000

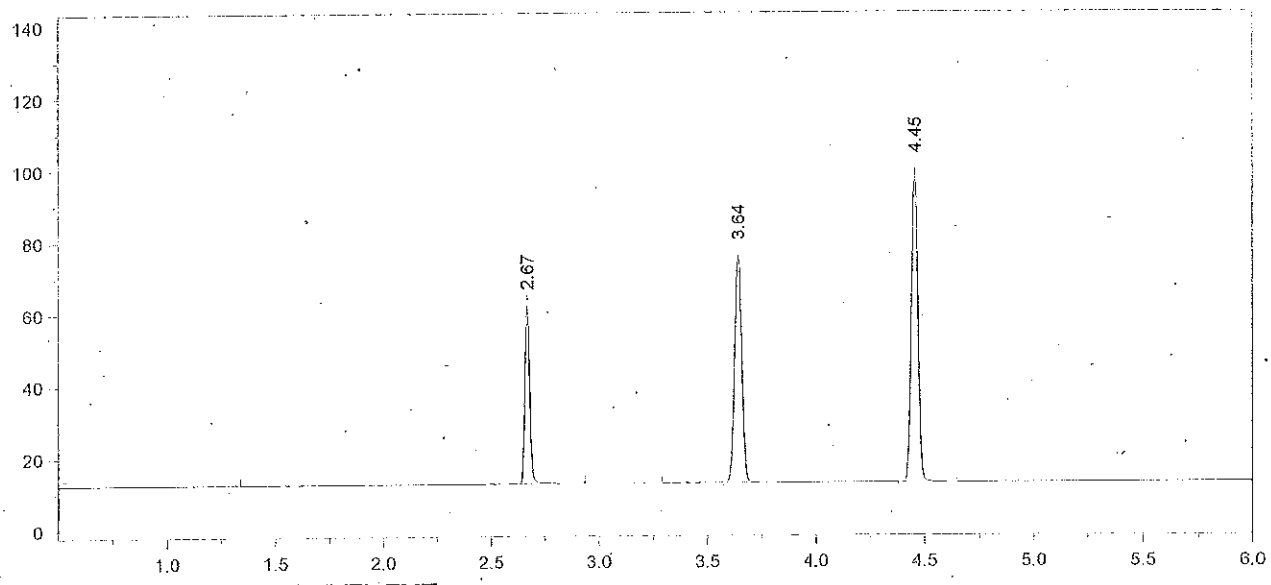
$\bar{X}$ = 0.081 ✓
11/13/12
AB



Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012
Today's Time = 11:05:48 AM
Bound File Name = VFL11082012.0014.RAW
Sample Name = CCS
Date Taken = 11/8/2012 6:09:49 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11082012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	84370	0.0800
4	3.64	t-Butanol	171196	1.0149
5	4.45	n-Propanol	207407	1.0000

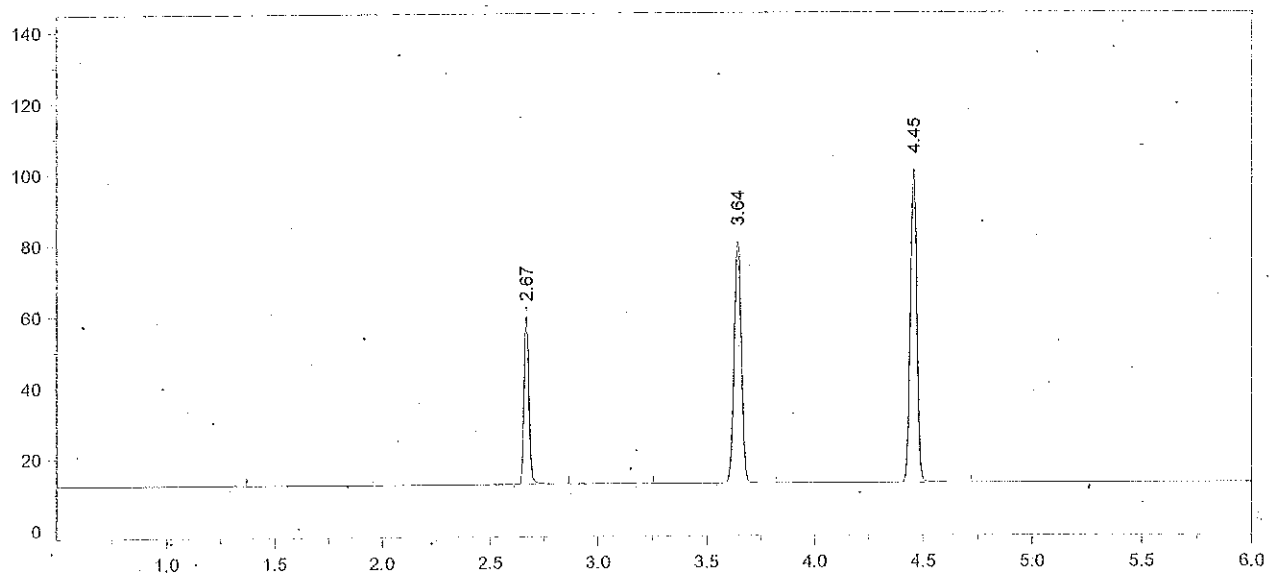


Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012
Today's Time = 11:05:56 AM
Bound File Name = VFL11082012.0015.RAW
Sample Name = CCS
Date Taken = 11/8/2012 6:24:45 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11082012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	76966	0.0822
4	3.64	t-Butanol	145522	0.9718
5	4.45	n-Propanol	184129	1.0000

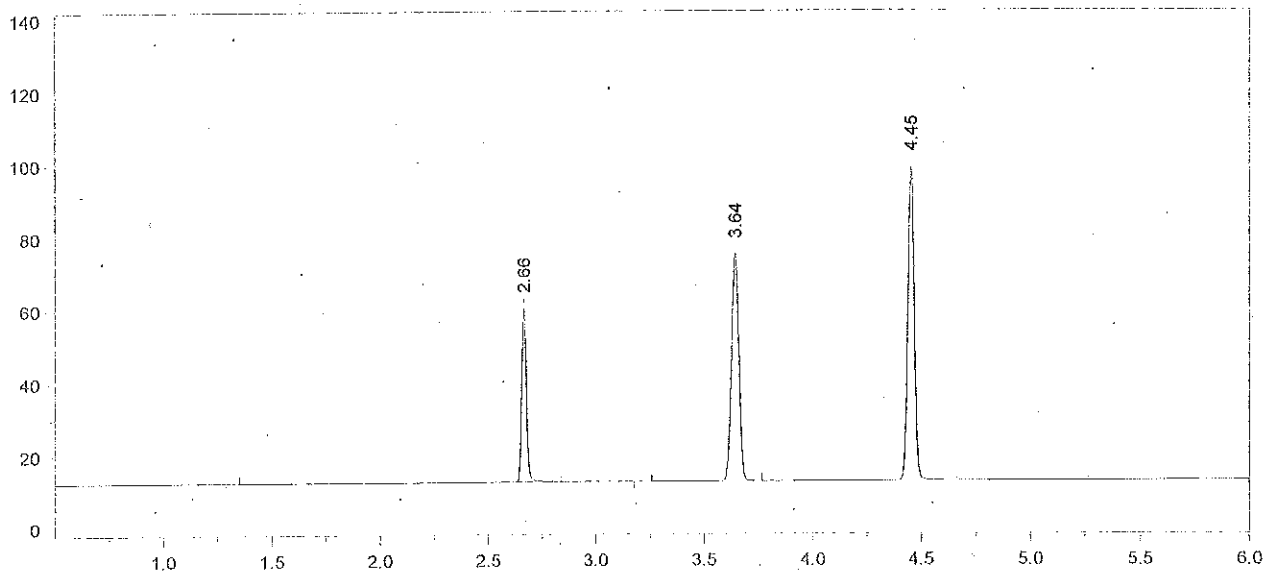
$\bar{x}$ = 0.081 ✓
11/13/12
AB



Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012
Today's Time = 11:06:04 AM
Bound File Name = VFL11082012.0016.RAW
Sample Name = AQ QC
Date Taken = 11/8/2012 6:41:20 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11082012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	72500	0.0764
4	3.64	t-Butanol	156532	1.0314
5	4.45	n-Propanol	186607	1.0000

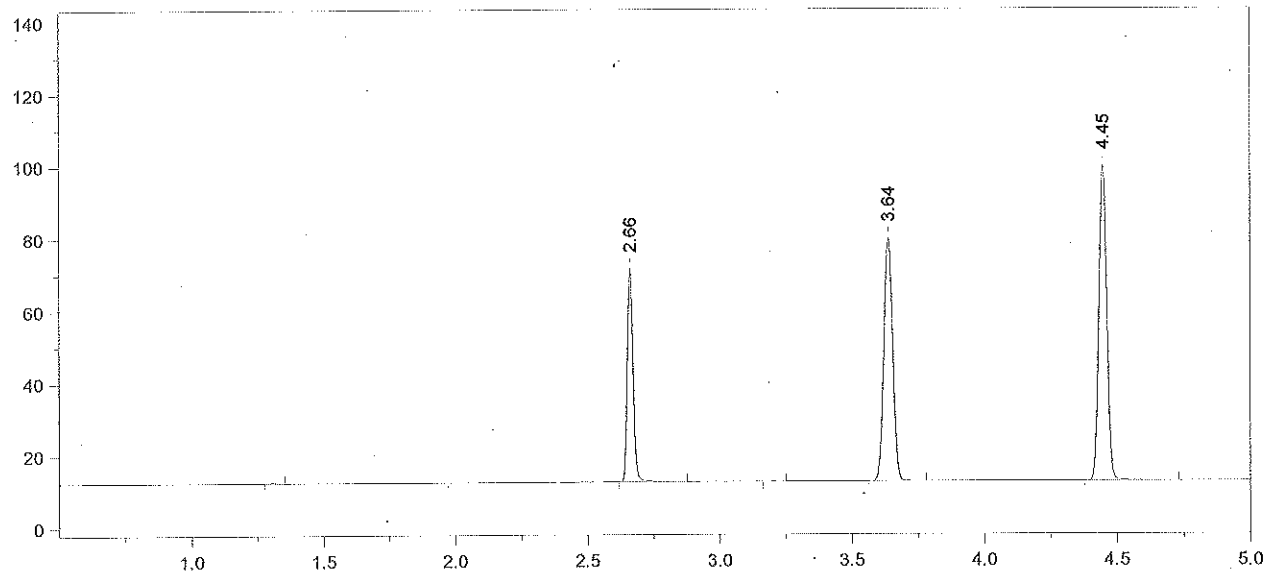


Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012
Today's Time = 11:06:13 AM
Bound File Name = VFL11082012.0017.RAW
Sample Name = AQ QC
Date Taken = 11/8/2012 6:55:09 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11082012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	74152	0.0797
4	3.64	t-Butanol	144949	0.9734
5	4.45	n-Propanol	183107	1.0000

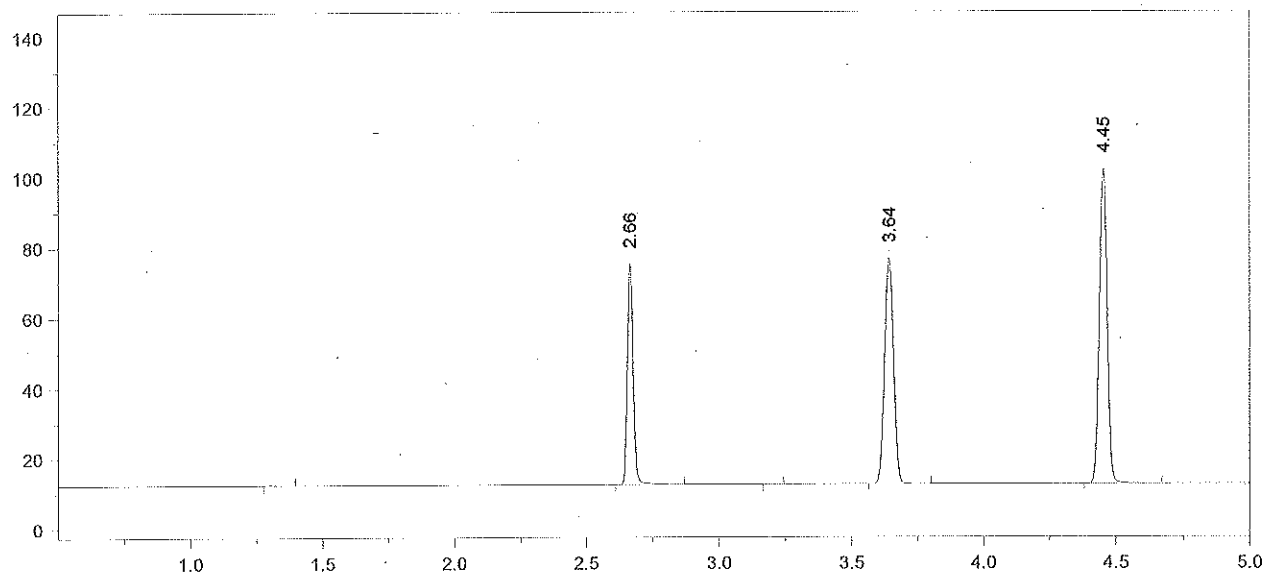
$\bar{x}$ = 0.078 97%



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/13/2012
Today's Time = 11:06:22 AM
Bound File Name = VFL11082012.0018.RAW
Sample Name = TLC 0.08 1
Date Taken = 11/8/2012 7:12:45 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11082012.CAL
Calibration Version = 1

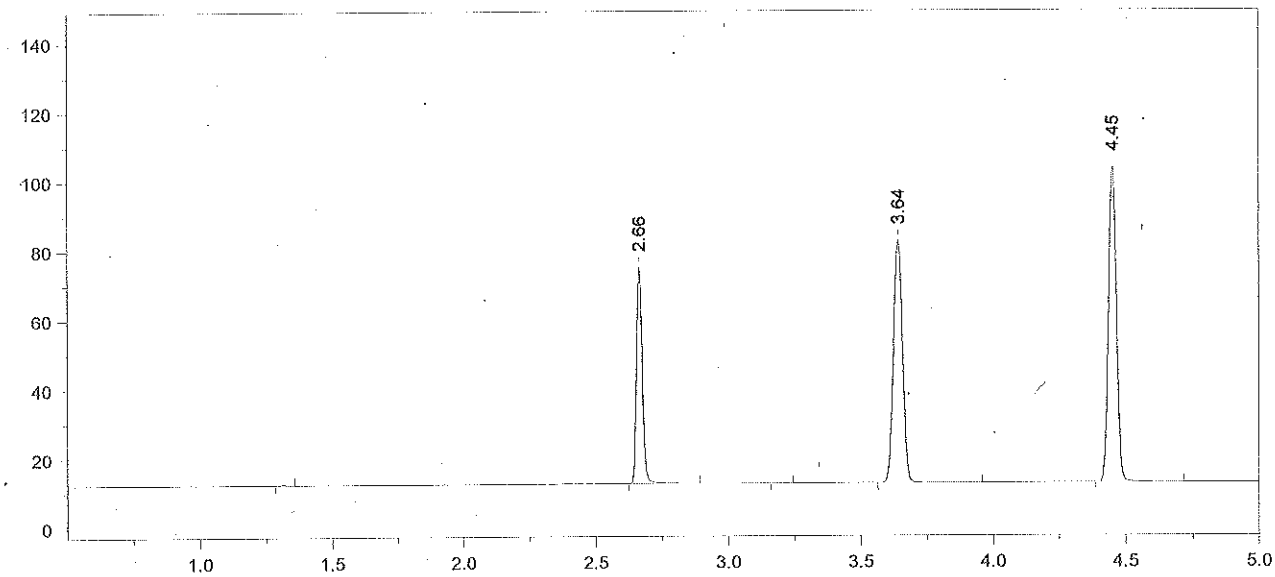
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	90735	0.0961	0.0784
4	3.64	t-Butanol	154924	1.0255	0.8370
5	4.45	n-Propanol	185763	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/13/2012
Today's Time = 11:06:30 AM
Bound File Name = VFL11082012.0019.RAW
Sample Name = TLC 0.08 2
Date Taken = 11/8/2012 7:26:33 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11082012.CAL
Calibration Version = 1

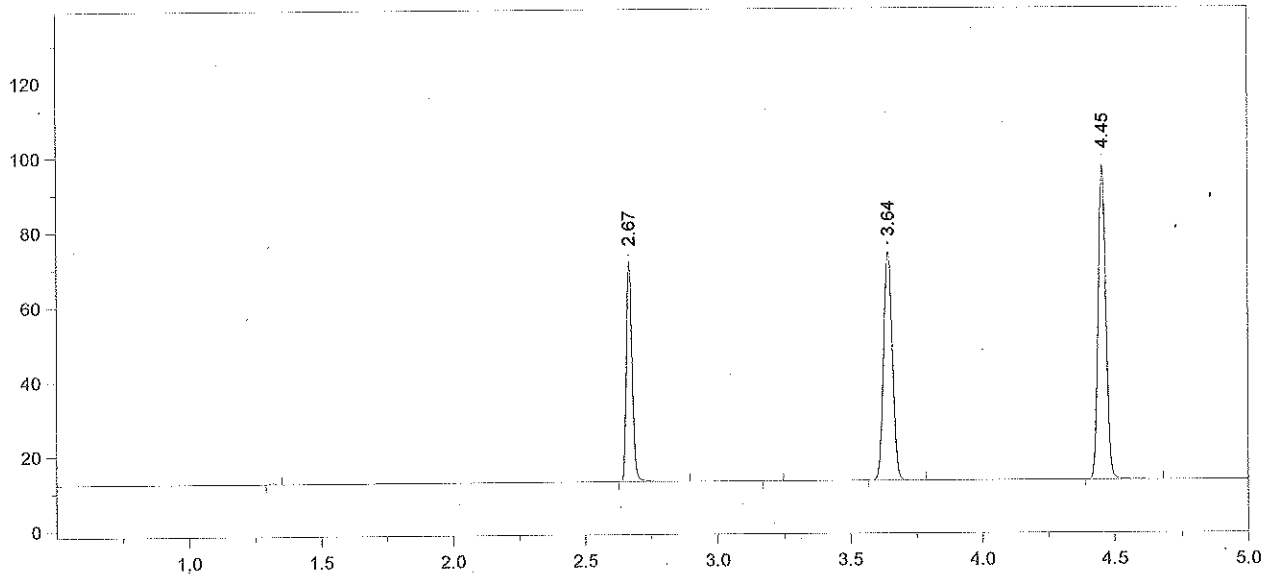
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	97121	0.1003	0.0819
4	3.64	t-Butanol	148758	0.9603	0.7838
5	4.45	n-Propanol	190480	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/13/2012
Today's Time = 11:06:38 AM
Bound File Name = VFL11082012.0020.RAW
Sample Name = TLC 0.08 3
Date Taken = 11/8/2012 7:44:09 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11082012.CAL
Calibration Version = 1

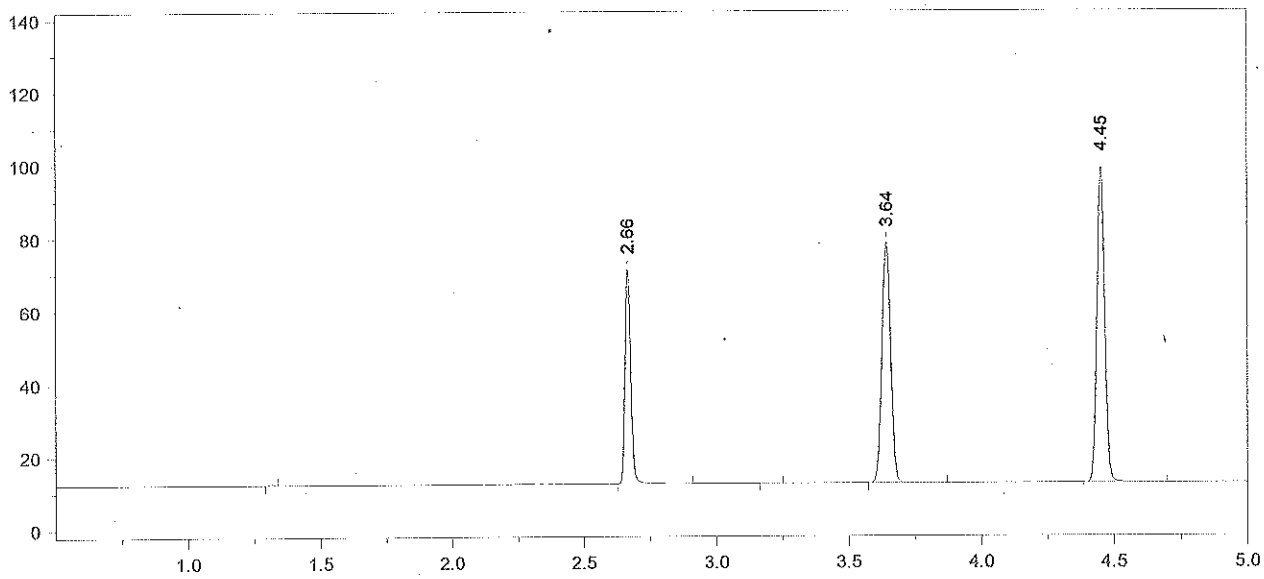
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	96650	0.0977	0.0798
4	3.64	t-Butanol	161958	1.0235	0.8354
5	4.45	n-Propanol	194576	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/13/2012
Today's Time = 11:06:47 AM
Bound File Name = VFL11082012.0021.RAW
Sample Name = TLC 0.08 4
Date Taken = 11/8/2012 7:57:49 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11082012.CAL
Calibration Version = 1

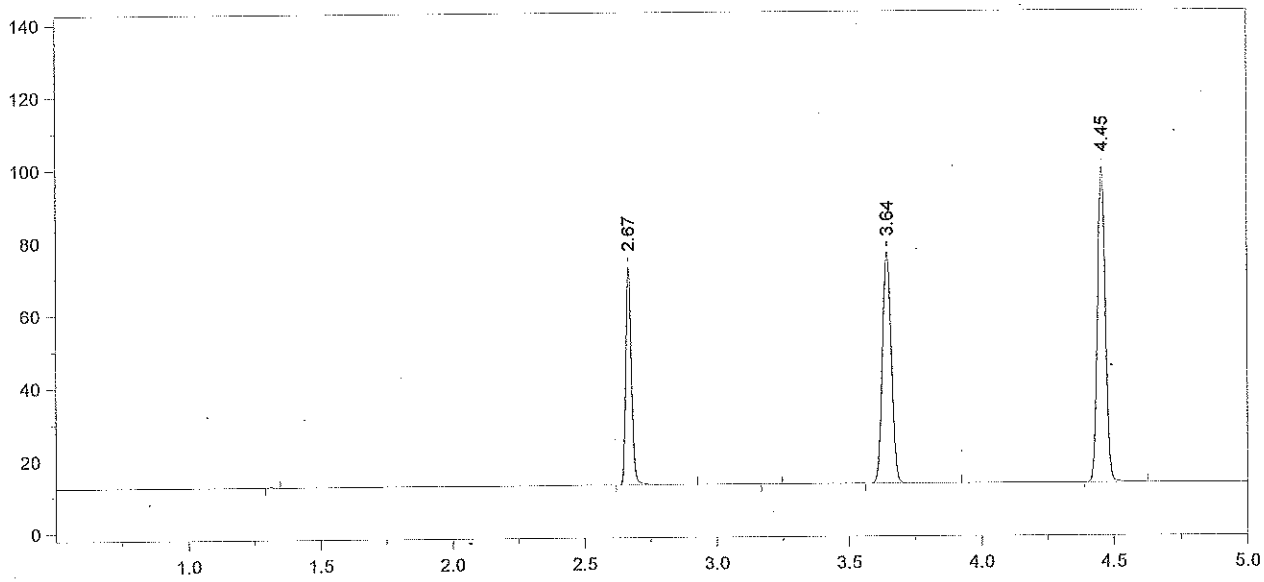
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	90827	0.1004	0.0819
4	3.64	t-Butanol	141053	0.9742	0.7951
5	4.45	n-Propanol	178030	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/13/2012
Today's Time = 11:06:56 AM
Bound File Name = VFL11082012.0022.RAW
Sample Name = TLC 0.08 5
Date Taken = 11/8/2012 8:15:36 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11082012.CAL
Calibration Version = 1

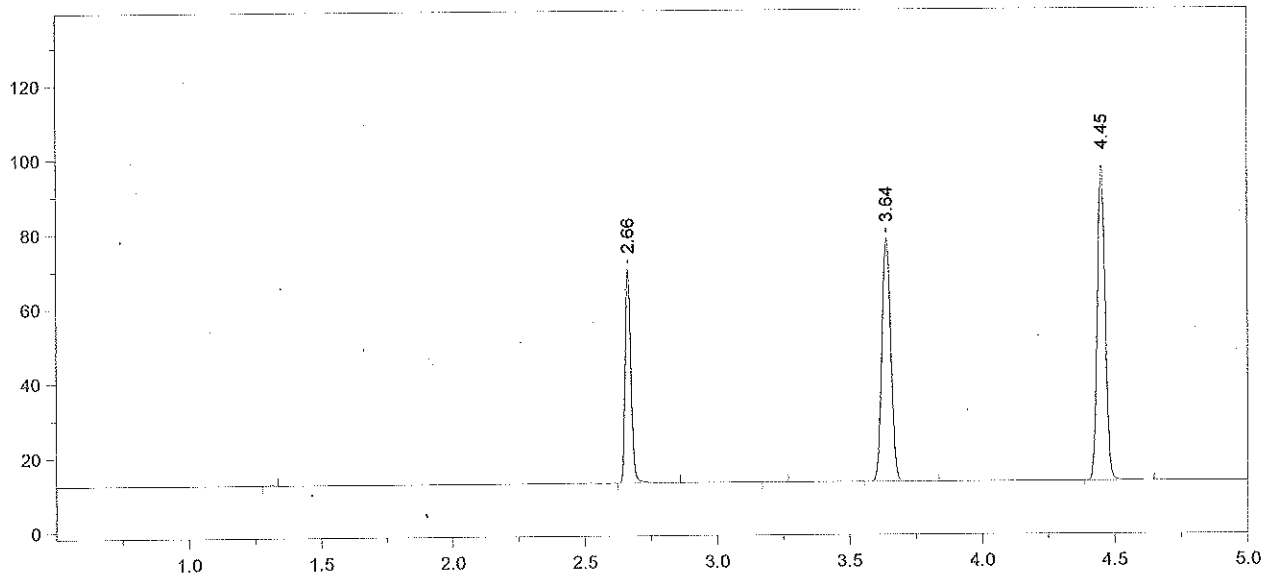
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	90464	0.0977	0.0797
4	3.64	t-Butanol	152413	1.0290	0.8398
5	4.45	n-Propanol	182130	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/13/2012
Today's Time = 11:07:04 AM
Bound File Name = VFL11082012.0023.RAW
Sample Name = TLC 0.08 6
Date Taken = 11/8/2012 8:28:47 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11082012.CAL
Calibration Version = 1

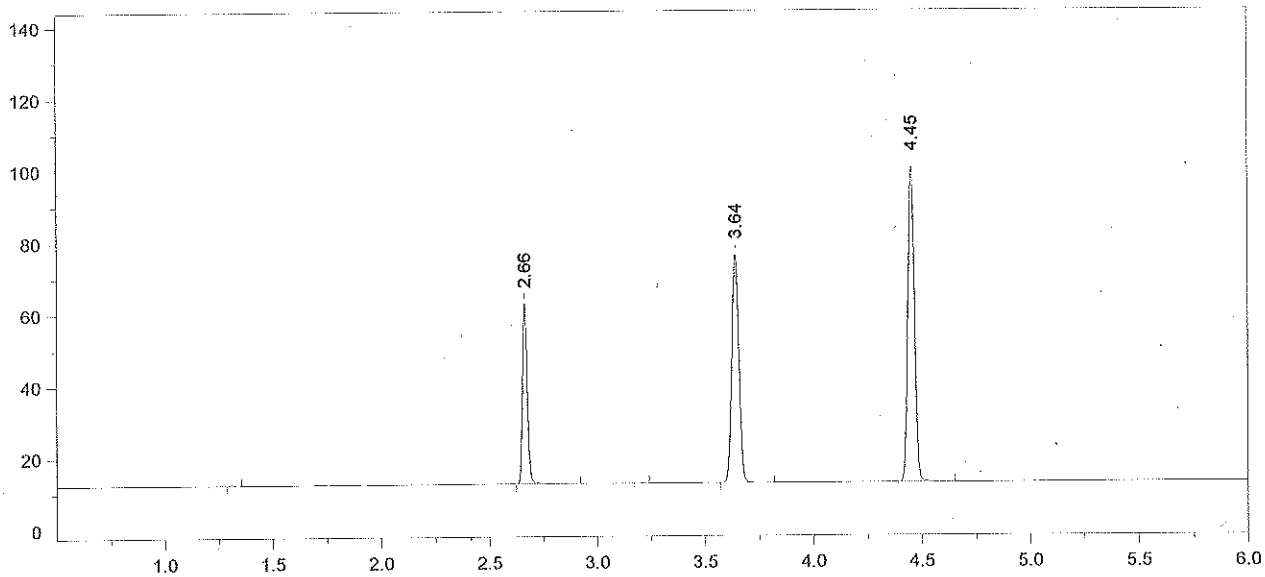
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	92376	0.0985	0.0804
4	3.64	t-Butanol	147104	0.9804	0.8002
5	4.45	n-Propanol	184498	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/13/2012
Today's Time = 11:07:12 AM
Bound File Name = VFL11082012.0024.RAW
Sample Name = TLC 0.08 7
Date Taken = 11/8/2012 8:47:00 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11082012.CAL
Calibration Version = 1

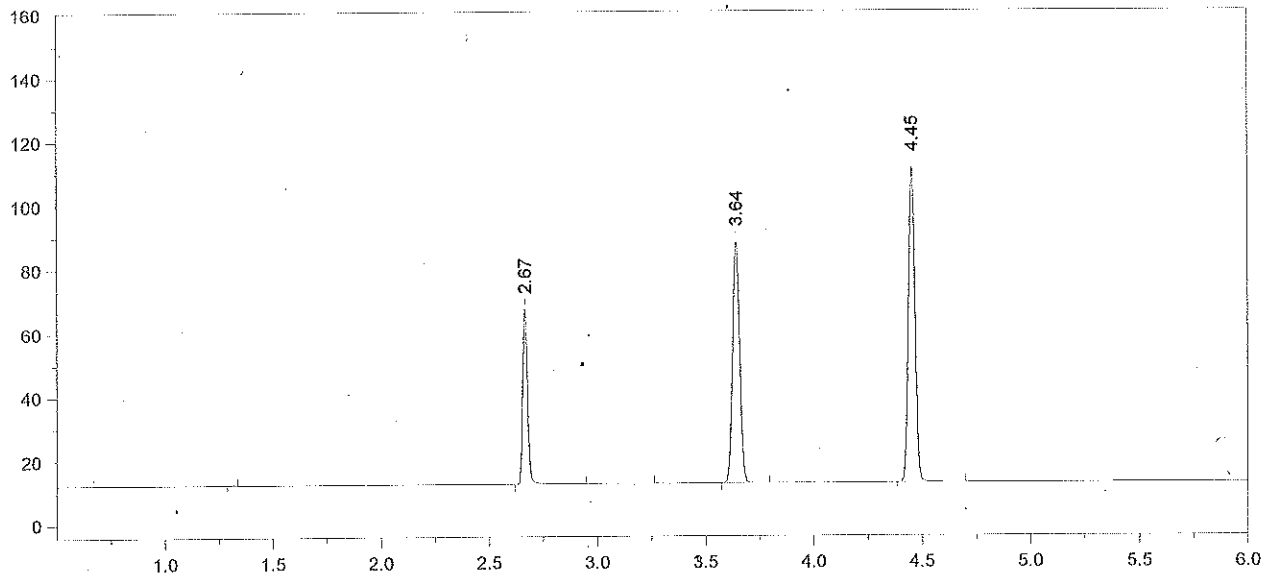
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	88346	0.0969	0.0791
4	3.64	t-Butanol	150967	1.0353	0.8450
5	4.45	n-Propanol	179305	1.0000	0.8162



Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012
Today's Time = 11:07:21 AM
Bound File Name = VFL11082012.0025.RAW
Sample Name = CCS
Date Taken = 11/8/2012 9:00:51 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11082012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	77945	0.0823
4	3.64	t-Butanol	147025	0.9708
5	4.45	n-Propanol	186212	1.0000

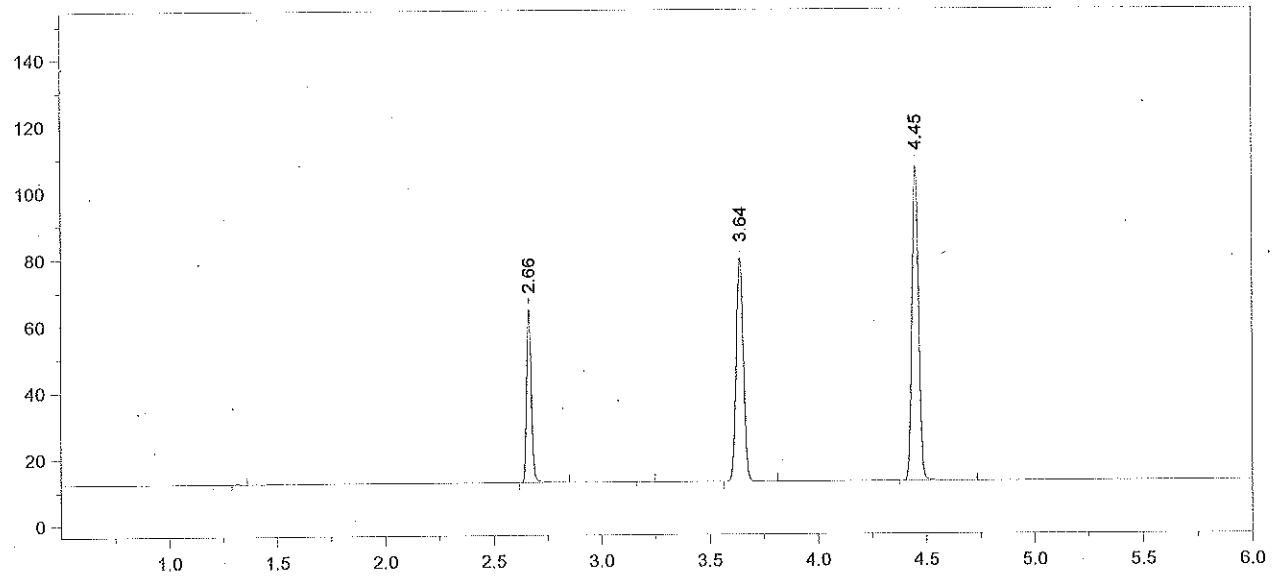


Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012
Today's Time = 11:07:30 AM
Bound File Name = VFL11082012.0026.RAW
Sample Name = CCS
Date Taken = 11/8/2012 9:16:42 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11082012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	85015	0.0799
4	3.64	t-Butanol	174446	1.0250
5	4.45	n-Propanol	209256	1.0000

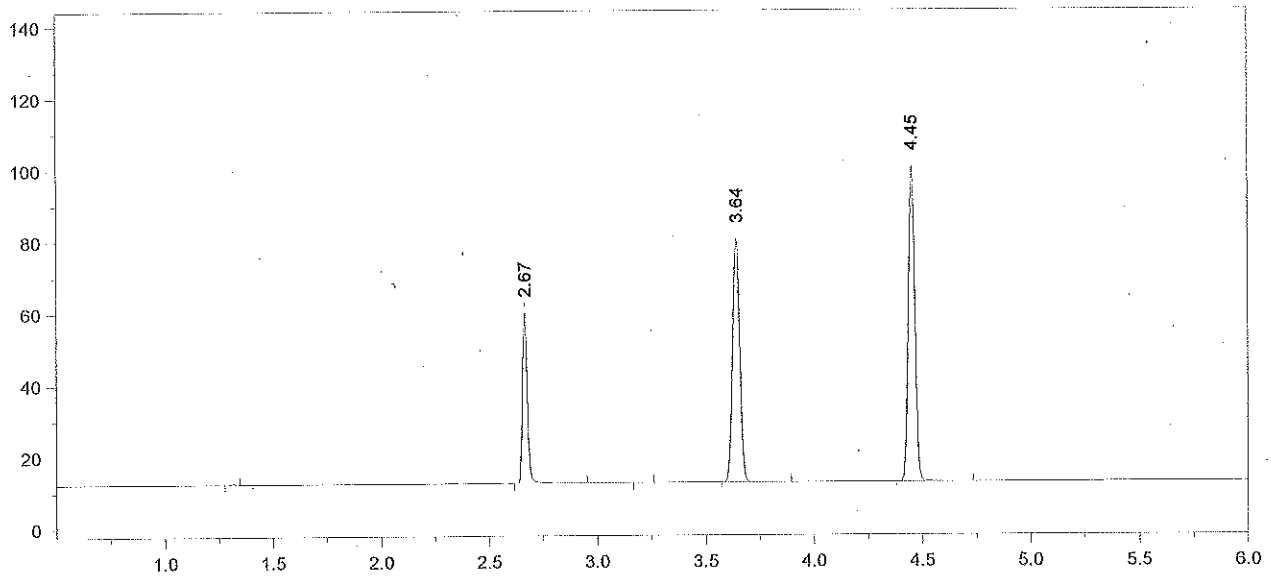
$\bar{X}$ = 0.081
11/13/12
[illegible]



Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012
Today's Time = 11:11:32 AM
Bound File Name = VFL11082012.0054.RAW
Sample Name = CCS 110912
Date Taken = 11/9/2012 10:20:56 AM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11082012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	80706	0.0796
4	3.64	t-Butanol	155406	0.9584
5	4.45	n-Propanol	199375	1.0000

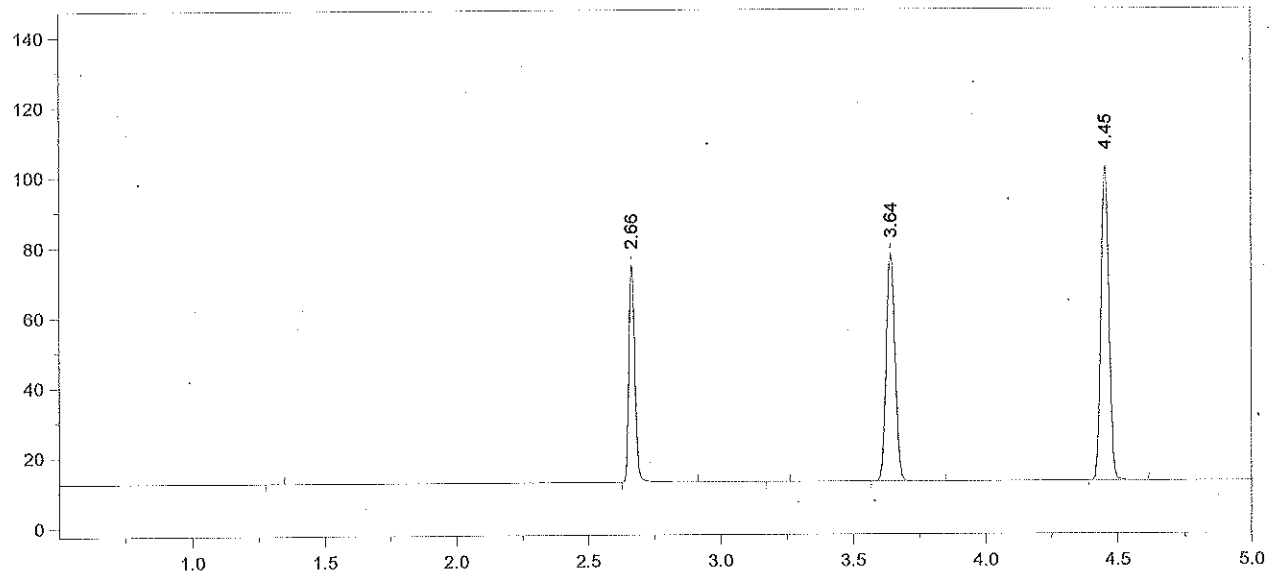


Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012
Today's Time = 11:11:40 AM
Bound File Name = VFL11082012.0055.RAW
Sample Name = CCS
Date Taken = 11/9/2012 10:38:22 AM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11082012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	74360	0.0785
4	3.64	t-Butanol	156758	1.0344
5	4.45	n-Propanol	186341	1.0000

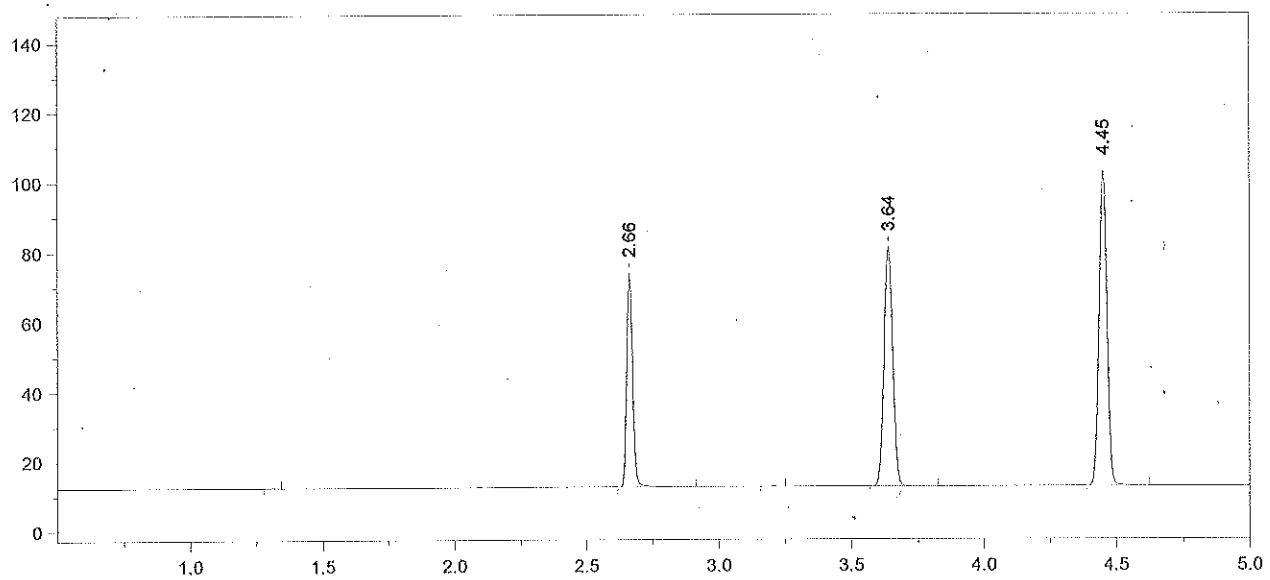
X- 0.079 ✓



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/13/2012
Today's Time = 11:11:50 AM
Bound File Name = VFL11082012.0056.RAW
Sample Name = 0.08 ALB
Date Taken = 11/9/2012 10:52:03 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11082012.CAL
Calibration Version = 1

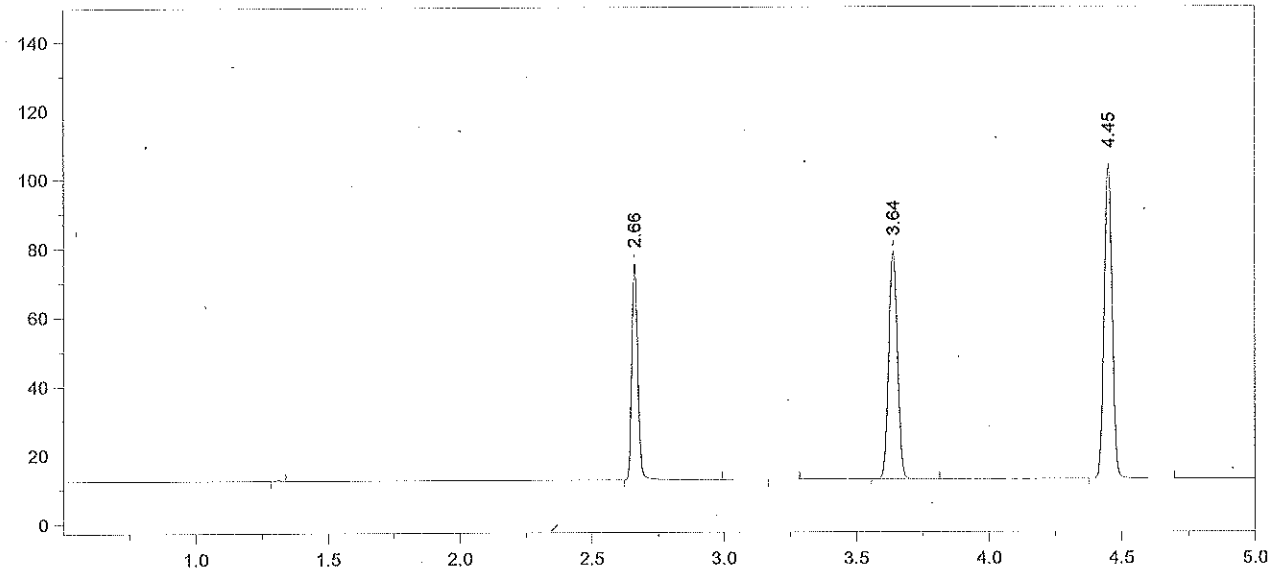
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	96653	0.1000	0.0816
4	3.64	t-Butanol	150418	0.9726	0.7938
5	4.45	n-Propanol	190164	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/13/2012
Today's Time = 11:12:01 AM
Bound File Name = VFL11082012.0057.RAW
Sample Name = 0.08 ALB
Date Taken = 11/9/2012 11:09:47 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11082012.CAL
Calibration Version = 1

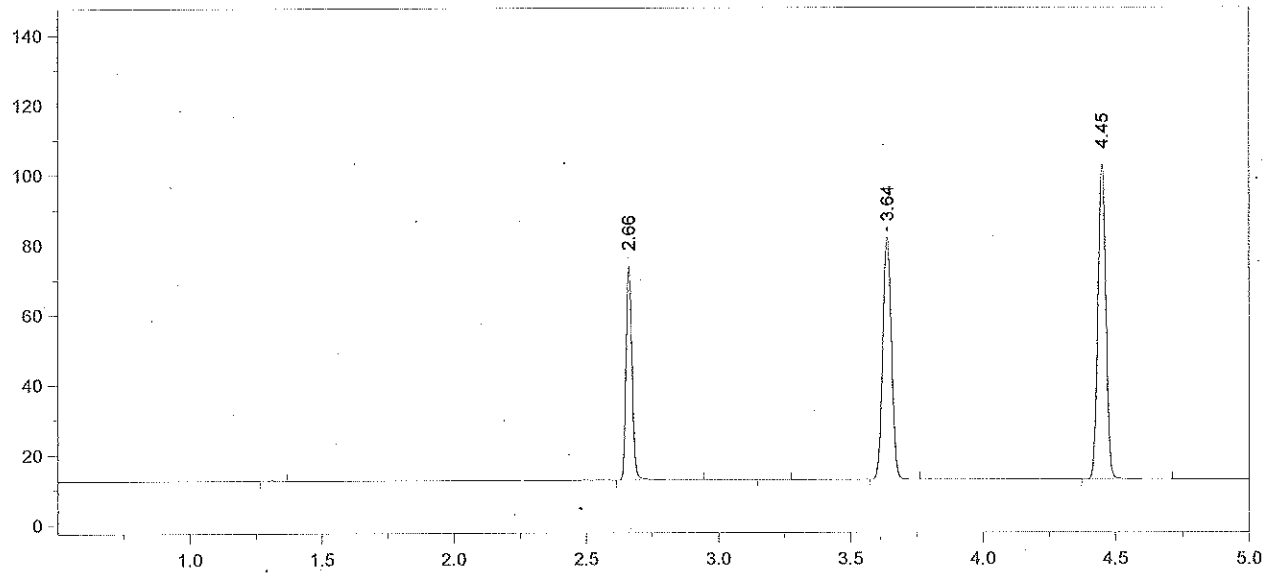
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	94185	0.0977	0.0797
4	3.64	t-Butanol	158121	1.0250	0.8366
5	4.45	n-Propanol	189675	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/13/2012
Today's Time = 11:12:08 AM
Bound File Name = VFL11082012.0058.RAW
Sample Name = 0.08 ALB
Date Taken = 11/9/2012 11:23:35 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11082012.CAL
Calibration Version = 1

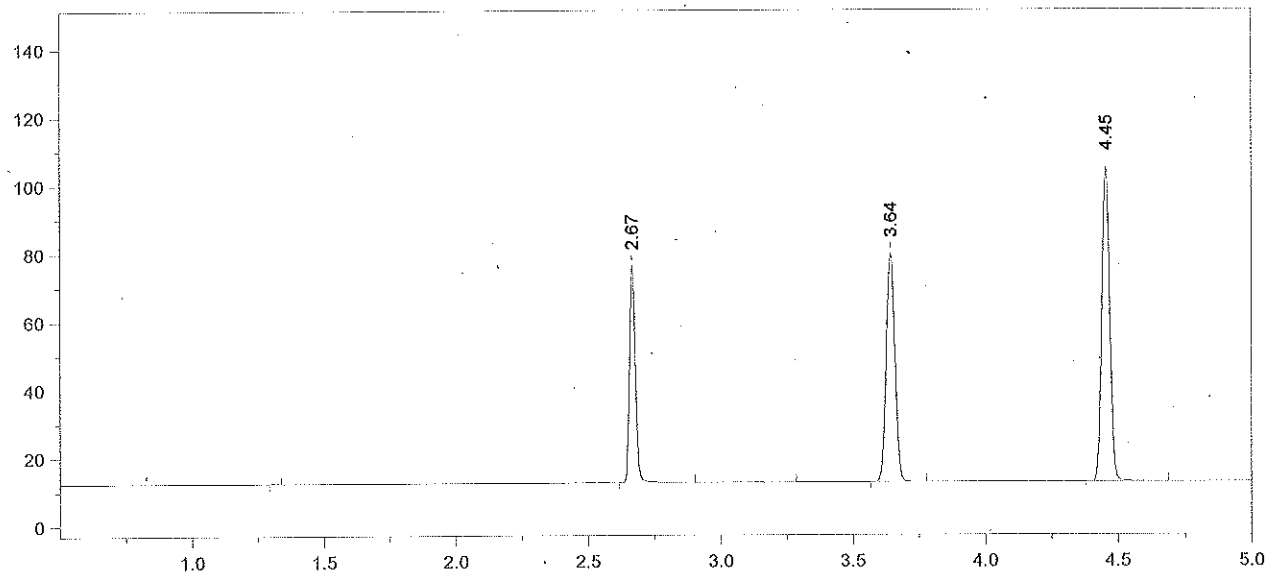
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	97783	0.0994	0.0811
4	3.64	t-Butanol	152449	0.9684	0.7904
5	4.45	n-Propanol	193564	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/13/2012
Today's Time = 11:12:16 AM
Bound File Name = VFL11082012.0059.RAW
Sample Name = 0.08 ALB
Date Taken = 11/9/2012 11:41:14 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11082012.CAL
Calibration Version = 1

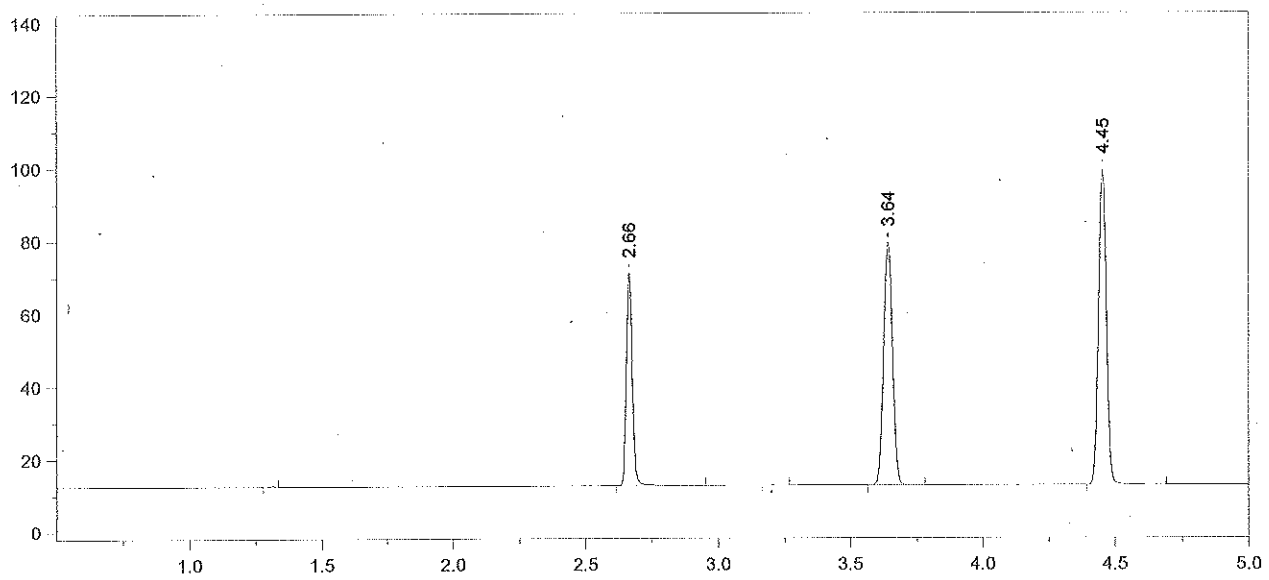
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	94519	0.0972	0.0793
4	3.64	t-Butanol	159973	1.0279	0.8390
5	4.45	n-Propanol	191365	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/13/2012
Today's Time = 11:12:23 AM
Bound File Name = VFL11082012.0060.RAW
Sample Name = 0.08 ALB
Date Taken = 11/9/2012 11:54:24 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11082012.CAL
Calibration Version = 1

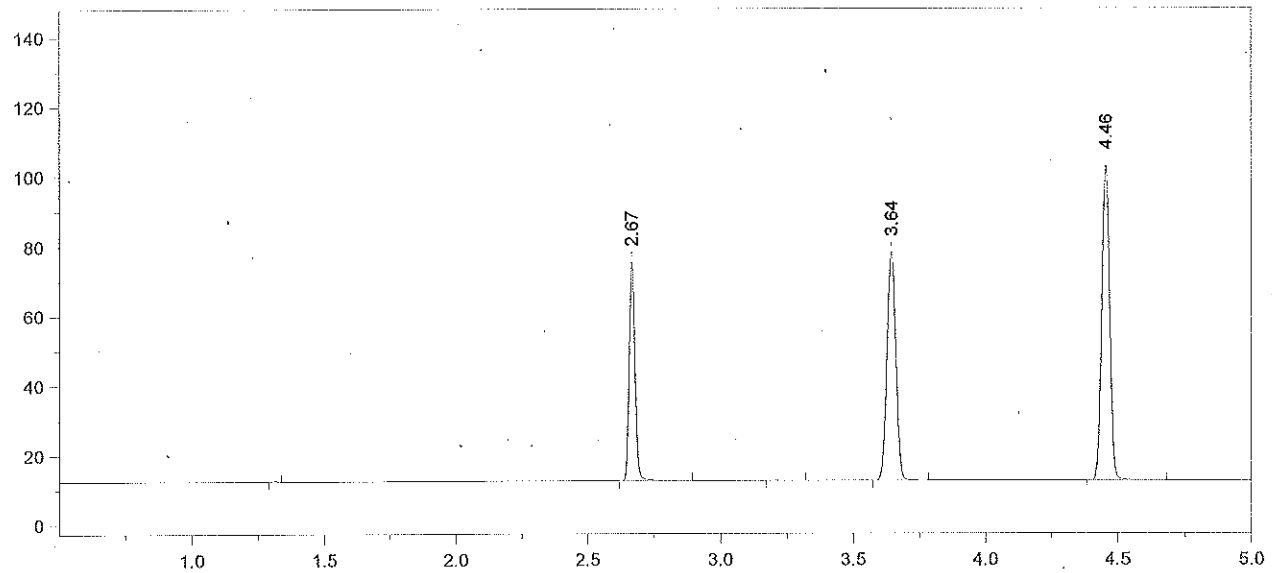
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	97856	0.0983	0.0802
4	3.64	t-Butanol	154852	0.9721	0.7934
5	4.45	n-Propanol	195869	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/13/2012
Today's Time = 11:12:30 AM
Bound File Name = VFL11082012.0061.RAW
Sample Name = 0.08 ALB
Date Taken = 11/9/2012 12:12:38 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11082012.CAL
Calibration Version = 1

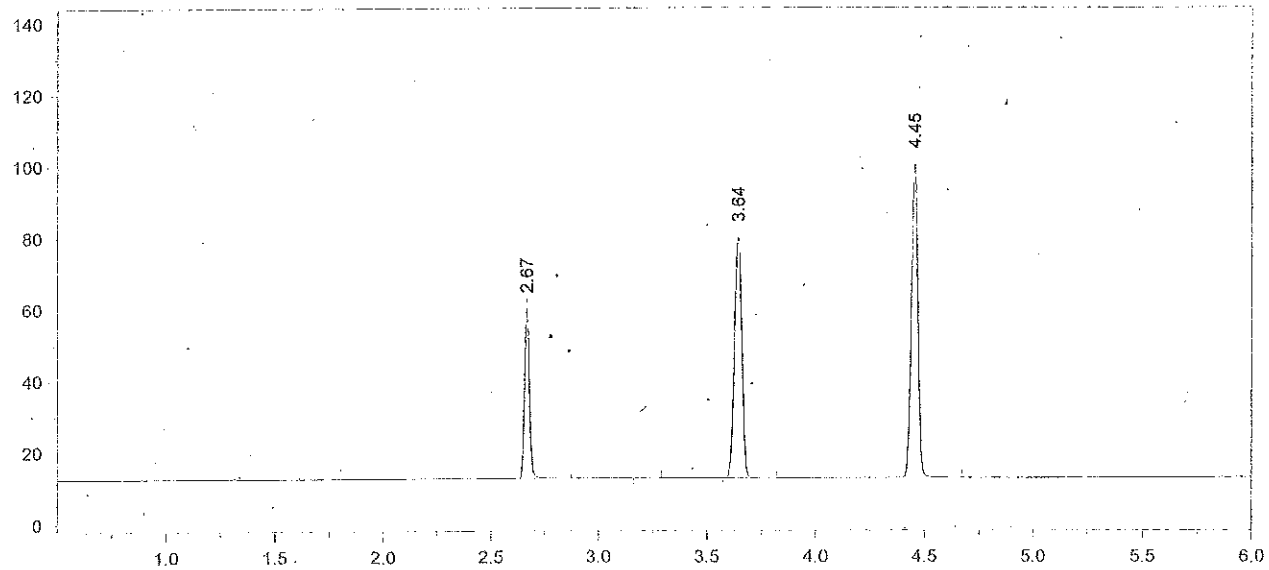
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	90843	0.0973	0.0794
4	3.64	t-Butanol	154149	1.0318	0.8422
5	4.45	n-Propanol	183693	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/13/2012
Today's Time = 11:12:37 AM
Bound File Name = VFL11082012.0062.RAW
Sample Name = 0.08 ALB
Date Taken = 11/9/2012 12:25:51 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11082012.CAL
Calibration Version = 1

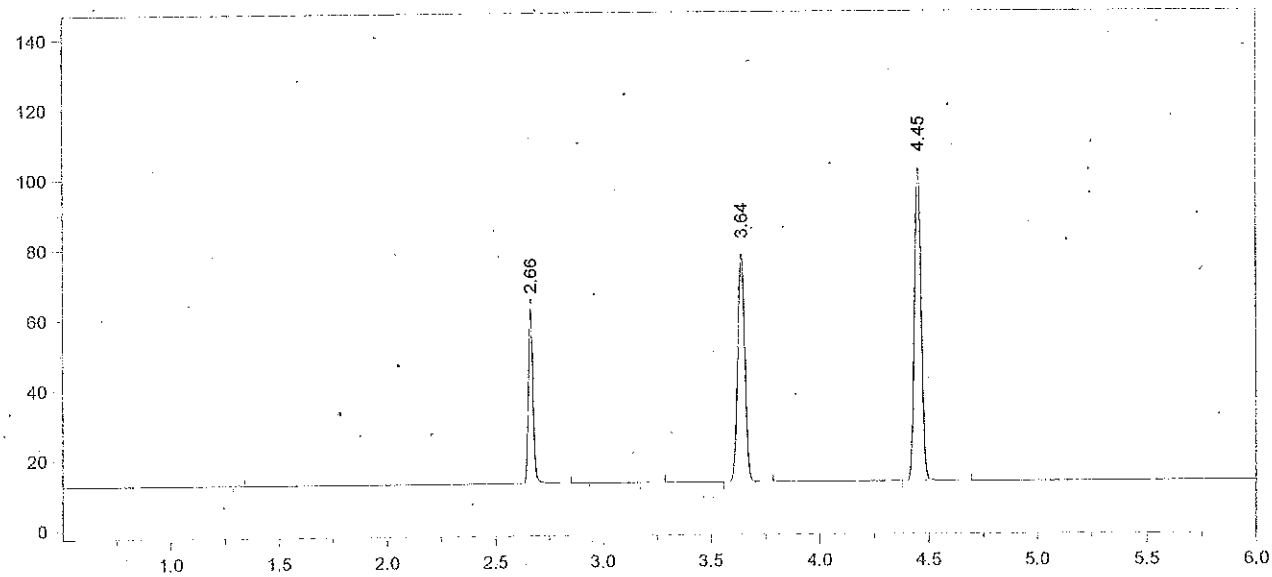
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	96670	0.0987	0.0806
4	3.64	t-Butanol	151561	0.9676	0.7897
5	4.46	n-Propanol	192604	1.0000	0.8162



Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012
Today's Time = 11:12:45 AM
Bound File Name = VFL11082012.0063.RAW
Sample Name = CCS
Date Taken = 11/9/2012 12:44:04 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11082012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	73541	0.0782
4	3.64	t-Butanol	154445	1.0269
5	4.45	n-Propanol	184924	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012
Today's Time = 11:12:52 AM

Bound File Name = VFL11082012.0064.RAW
Sample Name = CCS
Date Taken = 11/9/2012 12:57:53 PM
VFL Headspace Alcohol

Method file = Blood Alc New VFL.MET
Calibration file = VFL11082012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	77141	0.0798
4	3.64	t-Butanol	150124	0.9713
5	4.45	n-Propanol	190046	1.0000

$\bar{x}$ = 0.079 ✓
11/13/12
AB