VERMONT FORENSIC LABORATORY

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Certificate of Analysis of DataMaster External Standard Solution

On 11/9/2012, an ethanol solution was prepared by Amanda Bolduc for use as a DataMaster External Standard solution. The solution was prepared per standard laboratory practice and assigned the lot number 12-88-100 and an expiration date of 11/9/2013.

On 11/13/2012 and 11/14/2012, the solution was analyzed against calibration SIM11132012 and VFL11142012. 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 0.098 g/210L simulated breath ethanol concentration and approved for use as a DataMaster External Standard solution.

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

Amanda Bolduc

0.1 External Standard Solution 20L
Lot # 12-88-100
Prepared 11/09/2012 by RLM/ALB
Exp 11/09/2013

RLM CAL SIM11132012
RLM/ALB Vials
Analyzed on 11/13/2012

0.0969	rlm
0.0994	
0.0967	
0.0991	
0.0970	
0.1000	
0.0977	
0.1013	alb
0.0993	
0.0995	
0.0992	
0.1012	
0.0983	
0.1017	

Ave. = 0.0991
Std Dev. = 0.0016
Range = 0.0967-0.1017

ALB CAL VFL11142012
ALB/RLM Vials
Analyzed on 11/14/2012

0.0966	alb
0.0986	
0.0959	
0.0988	
0.0955	
0.0979	
0.0947	
0.0989	rlm
0.0962	
0.0984	
0.0967	
0.0988	
0.0969	
0.0991	

Ave. = 0.0974
Std Dev. = 0.0015
Range = 0.0947-0.0991

Total Values from Both Runs

Average	Mean
0.0969	0.0947
0.0994	0.0955
0.0967	0.0959
0.0991	0.0962
0.0970	0.0966
0.1000	0.0967
0.0977	
0.1013	0.0969
0.0993	
0.0995	0.0970
0.0992	0.0977
0.1012	0.0979
0.0983	0.0983
0.1017	0.0984
0.0966	0.0986
0.0986	0.0988
0.0959	
0.0988	0.0989
0.0955	0.0991
0.0979	
0.0947	0.0992
0.0989	0.0993
0.0962	0.0994
0.0984	0.0995
0.0967	0.1000
0.0988	0.1012
0.0969	0.1013
0.0991	0.1017

Ave. =	0.0982
Avg Std Dev. =	0.0018
Mean =	0.0983
Mean Std Dev. =	0.0018
Range =	0.0947-0.1017
RPD =	7.13%

11/15/2012

Headspace Alcohol Analysis Standards Coversheet

Analyst: RLM / ALB 11/14/12 Date: 11/13/2012

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
% 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	✓
2	Compound Retention Times:			N/A	
		Acetaldehyde	1.92		
		Methanol	2.02		
		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		0.196	(Y) N	✓
7	Standard E		0.405	(Y) N	✓
8	Aqueous QC		0.0786	(Y) N ✓	Avg: 0.079 (99% recovery)
9	Aqueous QC		0.0794	(Y) N ✓	

11/15/2012

File Name: C:\Methods\SIM11132012.CAL
Version: 7

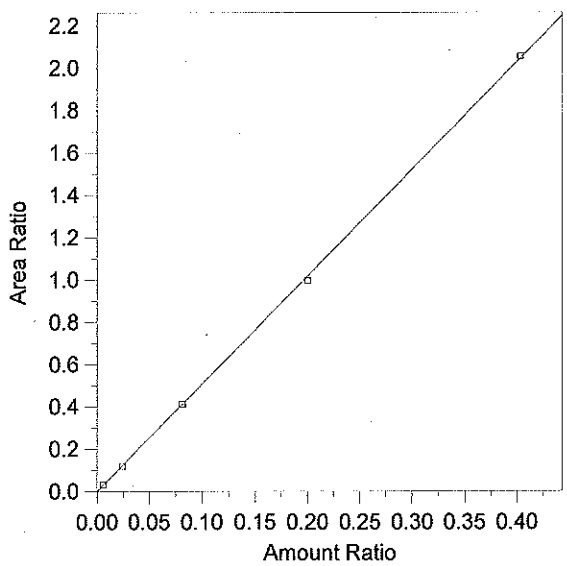
Creator:
Description:
Reason for change:

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: 2.669 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

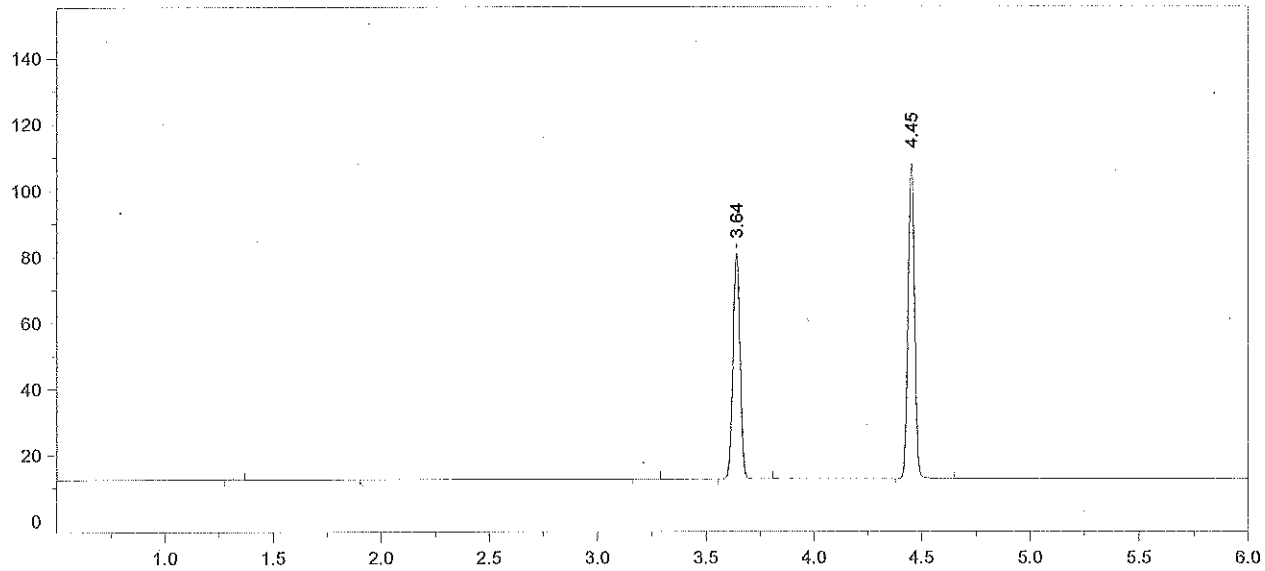
Y = 5.073708 X + 0

Linear fit with equal weighting, forced to origin
Coefficient of determination: 0.9997746
Average error: 2.068%
Average CF: 5.079487
RSD: 3.005%

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	6210.021	1035004	4.906	0.006	3.193576E-02	C:\Alcohol Data\SIM11132012\SIM11132012.0003.BND	11/13/2012 1:55:50 PM
3	0.0242	22243.21	919140.9	-2.676	0.0242	0.1194977	C:\Alcohol Data\SIM11132012\SIM11132012.0004.BND	11/13/2012 2:11:55 PM
4	0.0813	79135.57	973377.3	-0.031	0.0813	0.4123629	C:\Alcohol Data\SIM11132012\SIM11132012.0005.BND	11/13/2012 2:26:07 PM
5	0.2004	196862.4	982347.4	-2.177	0.2004	0.9946364	C:\Alcohol Data\SIM11132012\SIM11132012.0006.BND	11/13/2012 2:43:22 PM
6	0.403	396856.9	984756.6	0.548	0.403	2.055912	C:\Alcohol Data\SIM11132012\SIM11132012.0007.BND	11/13/2012 2:57:06 PM

File Name = C:\Alcohol Data\SIM11132012\SIM11132012.SEQ
Version = 1
File Date = 11/13/2012 12:46:03 PM

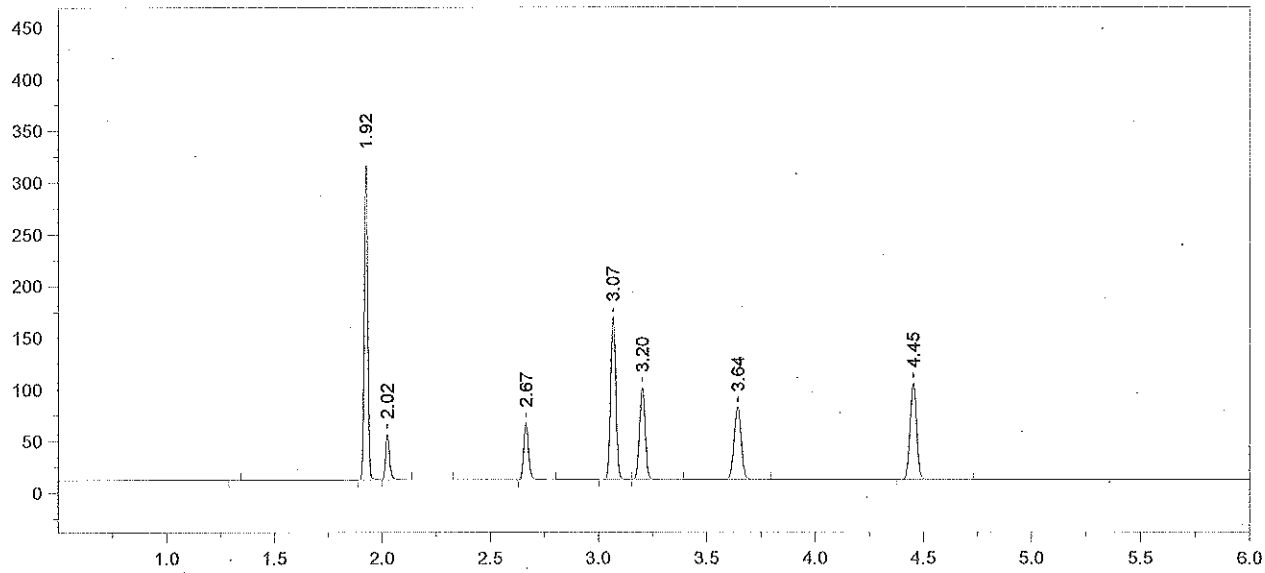
Entry #	Raw File Name	Method File Name	Sample Name	Sample Wt.	Int. Std. Amount
1	SIM11132012.0001.raw	Blood Alc New VFL.MET	Blank	1.00	1.00
2	SIM11132012.0002.raw	Blood Alc New VFL.MET	TMX	1.00	1.00
3	SIM11132012.0003.raw	Blood Alc New VFL.MET	Std A	1.00	1.00
4	SIM11132012.0004.raw	Blood Alc New VFL.MET	Std B	1.00	1.00
5	SIM11132012.0005.raw	Blood Alc New VFL.MET	Std C	1.00	1.00
6	SIM11132012.0006.raw	Blood Alc New VFL.MET	Std D	1.00	1.00
7	SIM11132012.0007.raw	Blood Alc New VFL.MET	Std E	1.00	1.00
8	SIM11132012.0008.raw	Blood Alc New VFL.MET	AQ QC	1.00	1.00
9	SIM11132012.0009.raw	Blood Alc New VFL.MET	AQ QC	1.00	1.00
10	SIM11132012.0010.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
11	SIM11132012.0011.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
12	SIM11132012.0012.raw	simsoln.met	0.1 RLM	1.00	1.00
13	SIM11132012.0013.raw	simsoln.met	0.1 RLM	1.00	1.00
14	SIM11132012.0014.raw	simsoln.met	0.1 RLM	1.00	1.00
15	SIM11132012.0015.raw	simsoln.met	0.1 RLM	1.00	1.00
16	SIM11132012.0016.raw	simsoln.met	0.1 RLM	1.00	1.00
17	SIM11132012.0017.raw	simsoln.met	0.1 RLM	1.00	1.00
18	SIM11132012.0018.raw	simsoln.met	0.1 RLM	1.00	1.00
19	SIM11132012.0019.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
20	SIM11132012.0020.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
21	SIM11132012.0021.raw	simsoln.met	0.1 ALB	1.00	1.00
22	SIM11132012.0022.raw	simsoln.met	0.1 ALB	1.00	1.00
23	SIM11132012.0023.raw	simsoln.met	0.1 ALB	1.00	1.00
24	SIM11132012.0024.raw	simsoln.met	0.1 ALB	1.00	1.00
25	SIM11132012.0025.raw	simsoln.met	0.1 ALB	1.00	1.00
26	SIM11132012.0026.raw	simsoln.met	0.1 ALB	1.00	1.00
27	SIM11132012.0027.raw	simsoln.met	0.1 ALB	1.00	1.00
28	SIM11132012.0028.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
29	SIM11132012.0029.raw	Blood Alc New VFL.MET	CCS	1.00	1.00



Format File Name = AlcoholVFL.FMT

Today's Date = 11/14/2012
Today's Time = 8:34:11 AM
Bound File Name = SIM11132012.0001.RAW
Sample Name = Blank
Date Taken = 11/13/2012 1:24:35 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM11132012.CAL
Calibration Version = 7

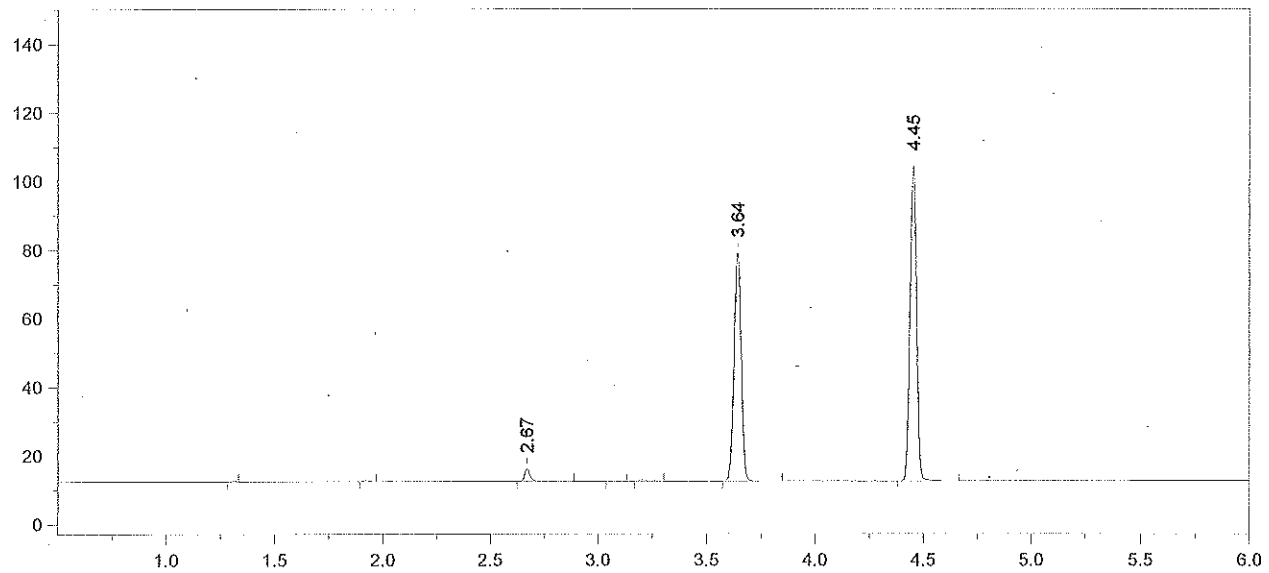
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	3.64	t-Butanol	157112	0.9643
4	4.45	n-Propanol	201808	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/14/2012
Today's Time = 8:34:23 AM
Bound File Name = SIM11132012.0002.RAW
Sample Name = TMX
Date Taken = 11/13/2012 1:40:16 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM11132012.CAL
Calibration Version = 7

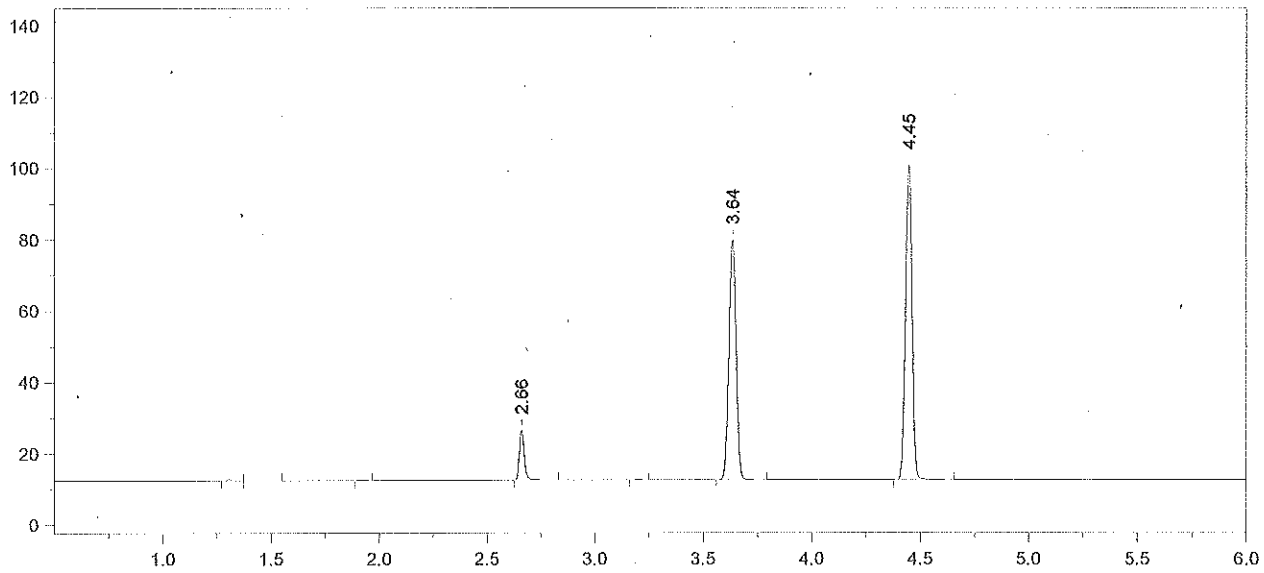
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	1.92	Acetaldehyde	346790	0.0720
3	2.02	Methanol	53587	0.1210
4	2.67	Ethanol	84945	0.0852
5	3.07	Acetone	267884	0.0690
6	3.20	Isopropanol	164433	0.0830
7	3.64	t-Butanol	161019	1.0154
8	4.45	n-Propanol	196404	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/14/2012
Today's Time = 8:34:31 AM
Bound File Name = SIM11132012.0003.RAW
Sample Name = Std A
Date Taken = 11/13/2012 1:55:42 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM11132012.CAL
Calibration Version = 7

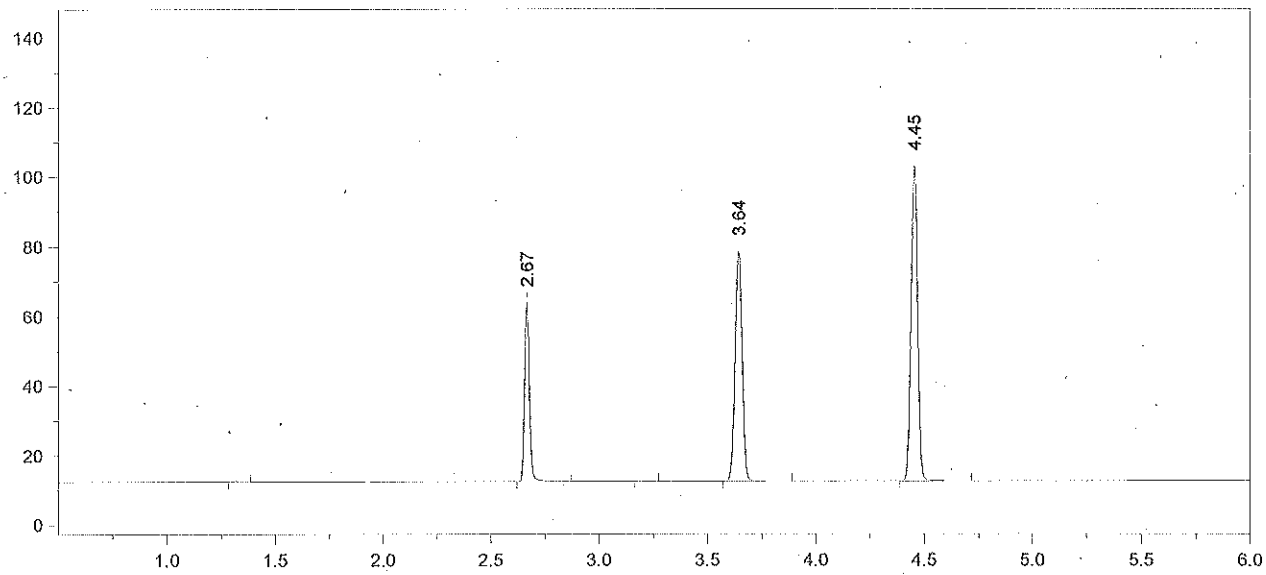
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.67	Ethanol	06210	0.0063
6	3.64	t-Butanol	153350	0.9768
7	4.45	n-Propanol	194454	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/14/2012
Today's Time = 8:34:41 AM
Bound File Name = SIM11132012.0004.RAW
Sample Name = Std B
Date Taken = 11/13/2012 2:11:46 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM11132012.CAL
Calibration Version = 7

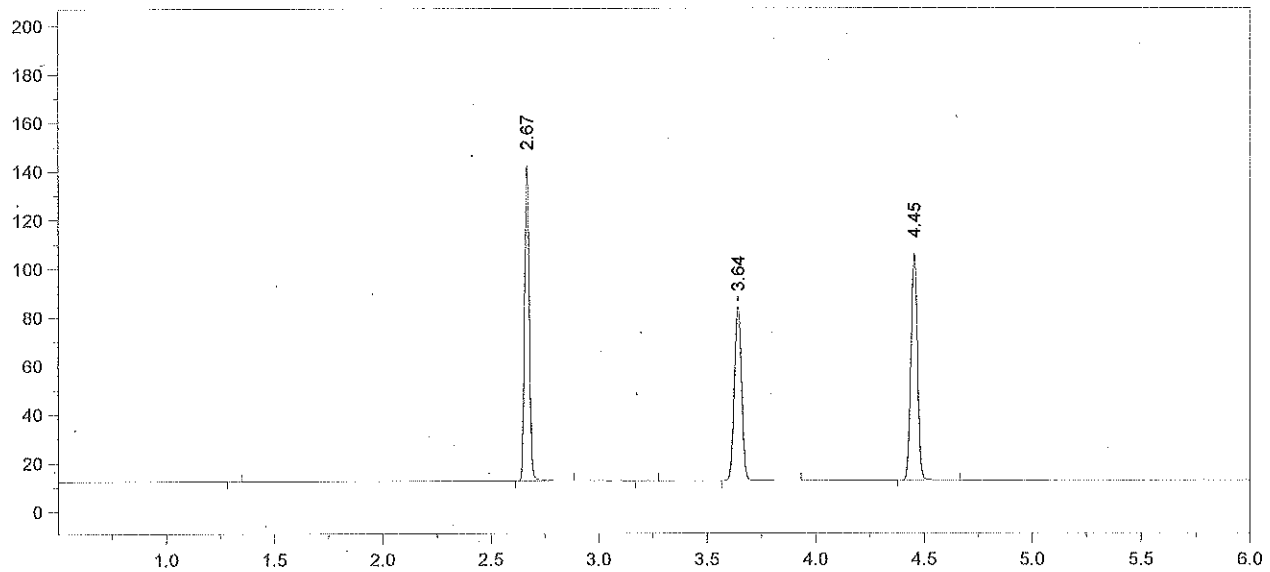
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
4	2.66	Ethanol	22243	0.0236
6	3.64	t-Butanol	155311	1.0335
7	4.45	n-Propanol	186139	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/14/2012
Today's Time = 8:34:49 AM
Bound File Name = SIM11132012.0005.RAW
Sample Name = Std C
Date Taken = 11/13/2012 2:25:54 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM11132012.CAL
Calibration Version = 7

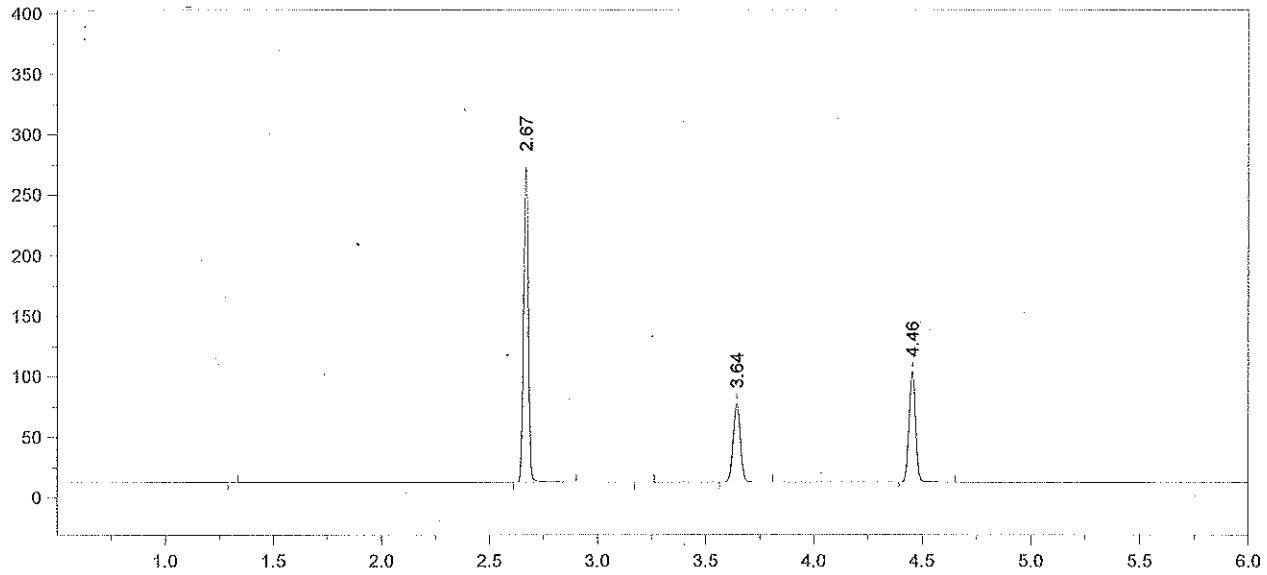
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	79136	0.0813
4	3.64	t-Butanol	152222	0.9825
5	4.45	n-Propanol	191908	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/14/2012
Today's Time = 8:34:58 AM
Bound File Name = SIM11132012.0006.RAW
Sample Name = Std D
Date Taken = 11/13/2012 2:43:10 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM11132012.CAL
Calibration Version = 7

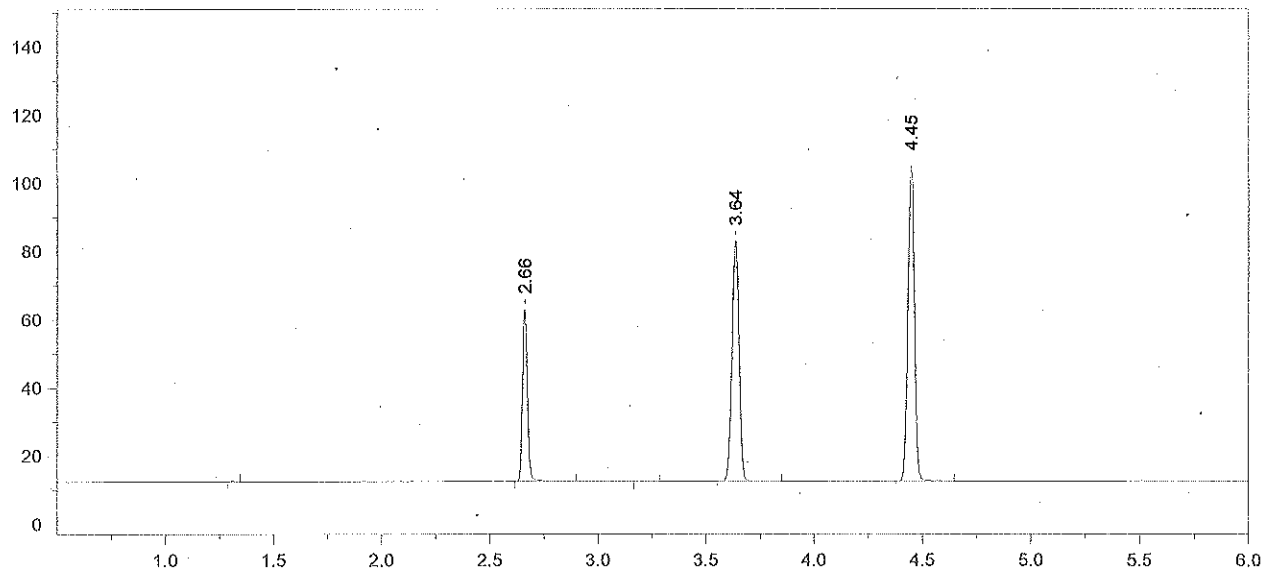
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	196862	0.1960
4	3.64	t-Butanol	164718	1.0308
5	4.45	n-Propanol	197924	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/14/2012
Today's Time = 8:35:07 AM
Bound File Name = SIM11132012.0007.RAW
Sample Name = Std E
Date Taken = 11/13/2012 2:56:57 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM11132012.CAL
Calibration Version = 7

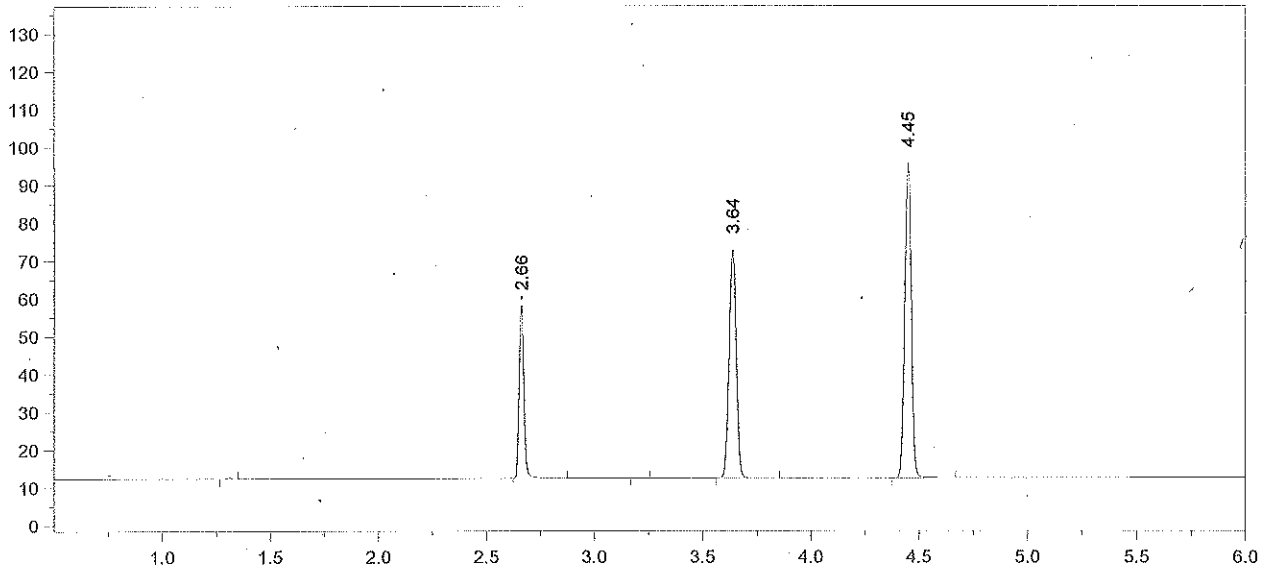
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	396857	0.4052
4	3.64	t-Butanol	149783	0.9611
5	4.46	n-Propanol	193032	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012
Today's Time = 3:14:43 PM
Bound File Name = SIM11132012.0008.RAW
Sample Name = AQ QC
Date Taken = 11/13/2012 3:14:34 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM11132012.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	77992	0.0786
4	3.64	t-Butanol	162737	1.0303
5	4.45	n-Propanol	195634	1.0000



Format File Name = AlcoholVFL.FMT

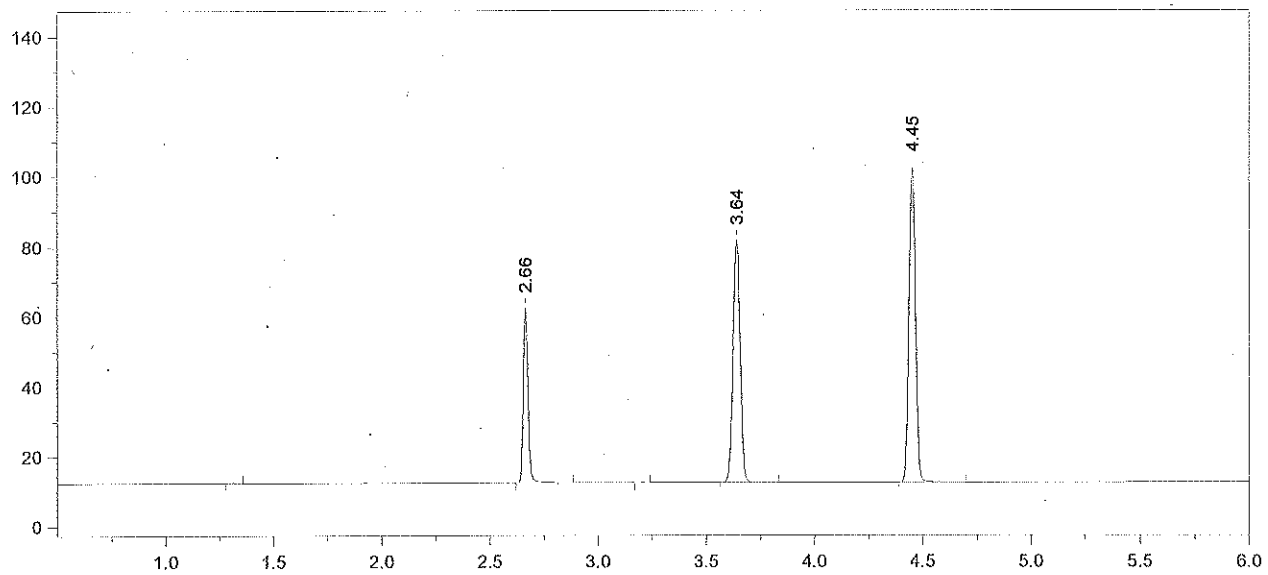
Today's Date = 11/13/2012
Today's Time = 3:28:19 PM
Bound File Name = SIM11132012.0009.RAW
Sample Name = AQ QC
Date Taken = 11/13/2012 3:28:12 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM11132012.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	71144	0.0794
4	3.64	t-Butanol	140217	0.9838
5	4.45	n-Propanol	176526	1.0000

Avg #8 + #9 = 0.079 ✓

99 % recovery

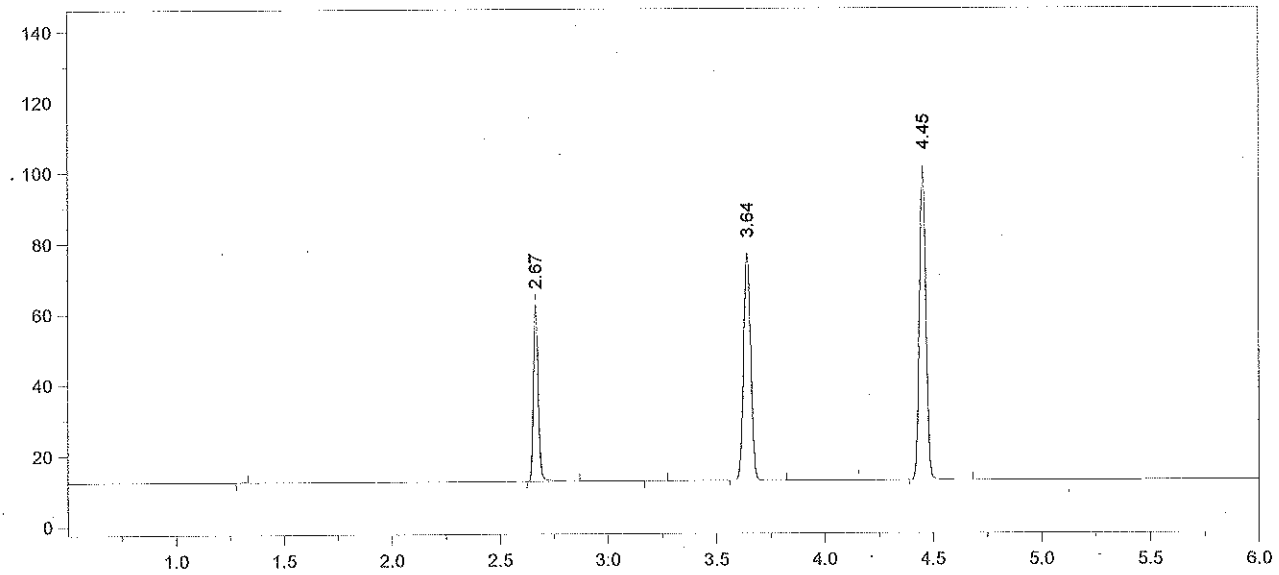
RZM 11/14/12



Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012
Today's Time = 3:46:09 PM
Bound File Name = SIM11132012.0010.RAW
Sample Name = CCS
Date Taken = 11/13/2012 3:45:58 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM11132012.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	77116	0.0795
4	3.64	t-Butanol	159445	1.0326
5	4.45	n-Propanol	191256	1.0000



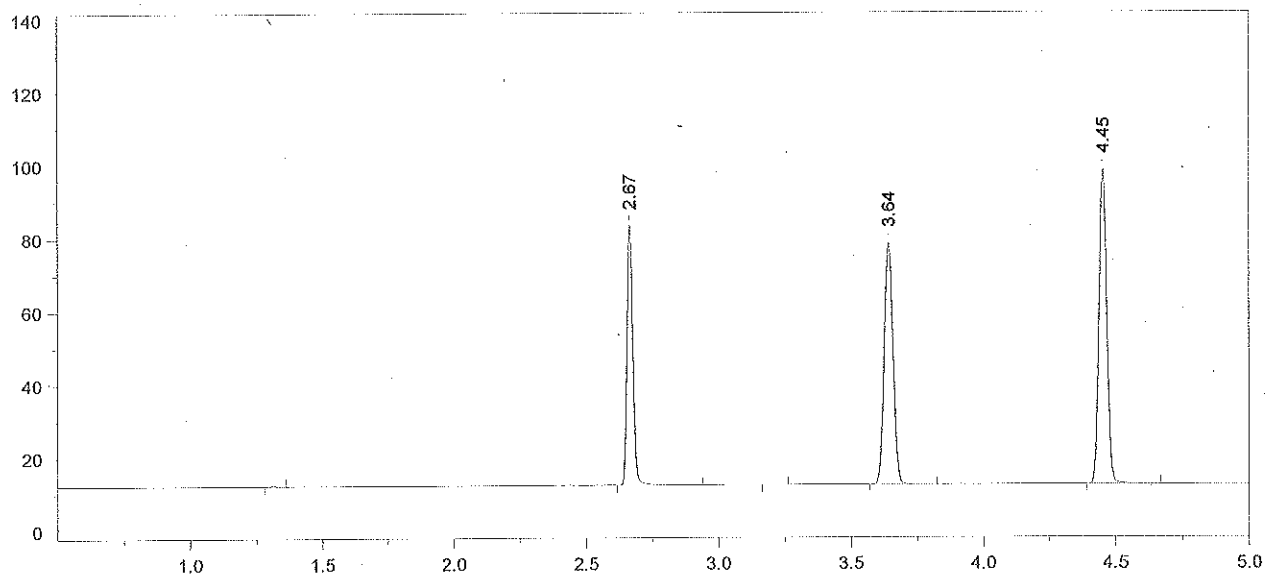
Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012
Today's Time = 3:59:17 PM
Bound File Name = SIM11132012.0011.RAW
Sample Name = CCS
Date Taken = 11/13/2012 3:59:11 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM11132012.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	77265	0.0809
4	3.64	t-Butanol	147830	0.9729
5	4.45	n-Propanol	188200	1.0000

Avg #10 + #11 = 0.080 ✓

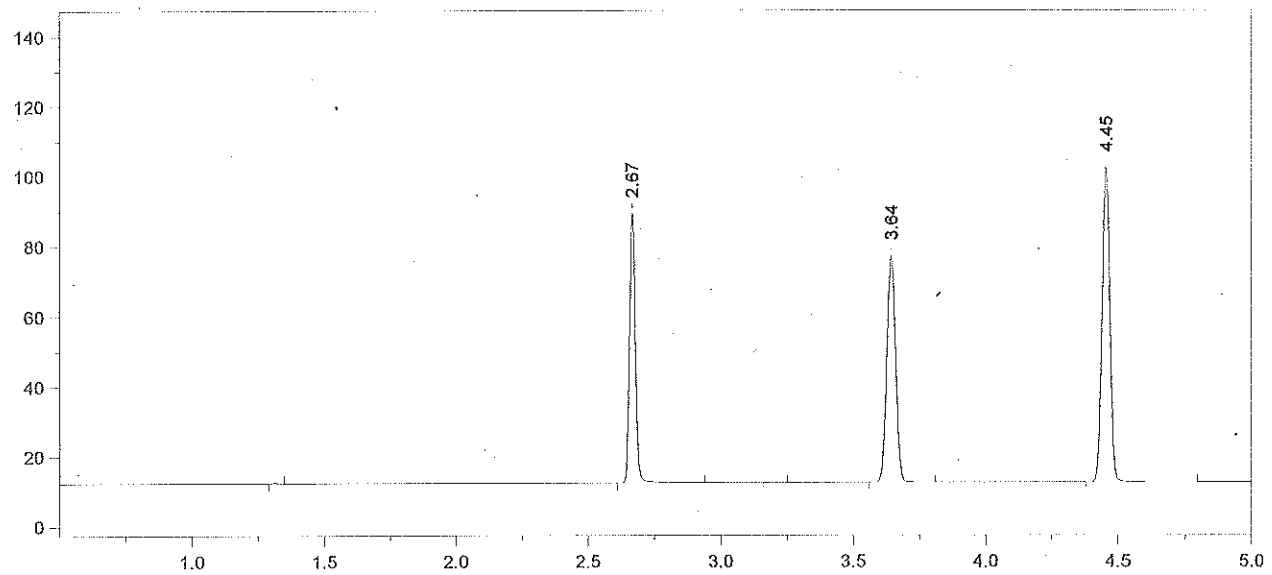
RJM 11/14/12



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/13/2012
Today's Time = 4:17:30 PM
Bound File Name = SIM11132012.0012.RAW
Sample Name = 0.1 RLM
Date Taken = 11/13/2012 4:17:20 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM11132012.CAL
Calibration Version = 7

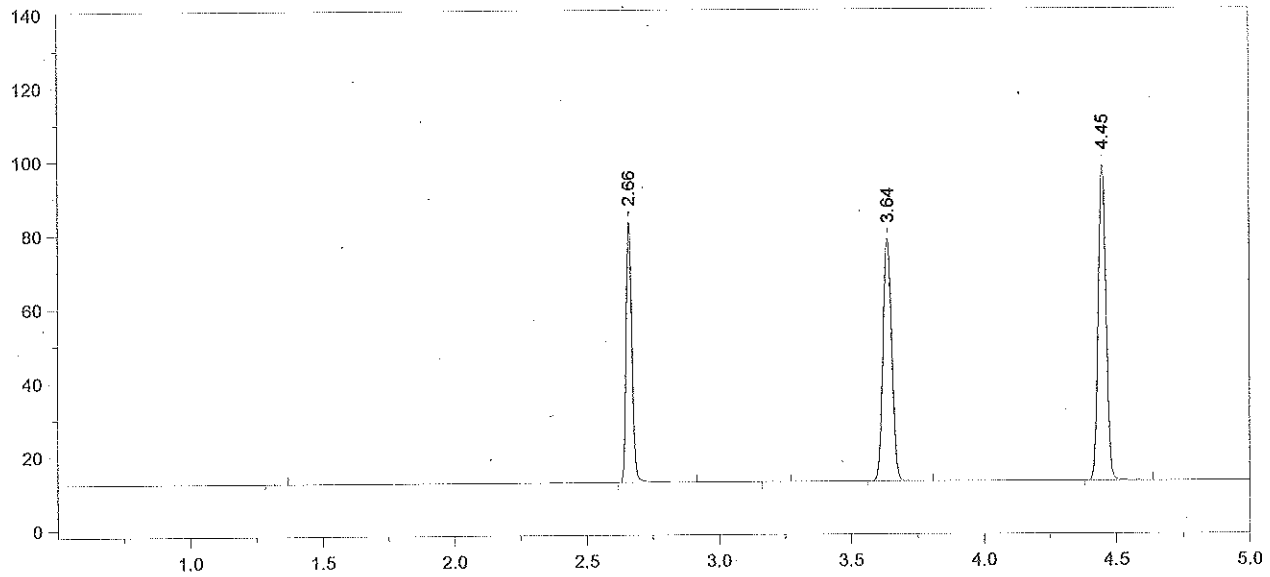
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	109505	0.1187	0.0969
4	3.64	t-Butanol	151772	1.0339	0.8439
5	4.45	n-Propanol	181819	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/13/2012
Today's Time = 4:31:19 PM
Bound File Name = SIM11132012.0013.RAW
Sample Name = 0.1 RLM
Date Taken = 11/13/2012 4:31:11 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM11132012.CAL
Calibration Version = 7

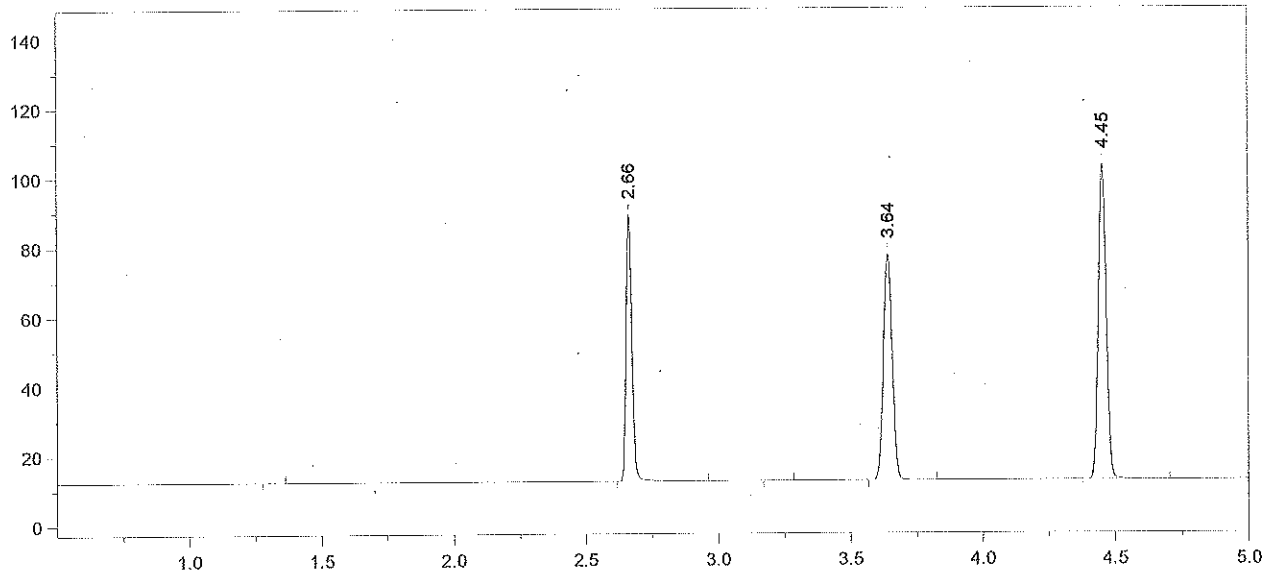
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	118170	0.1217	0.0994
4	3.64	t-Butanol	148841	0.9636	0.7865
5	4.45	n-Propanol	191311	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/13/2012
Today's Time = 4:48:55 PM
Bound File Name = SIM11132012.0014.RAW
Sample Name = 0.1 RLM
Date Taken = 11/13/2012 4:48:45 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM11132012.CAL
Calibration Version = 7

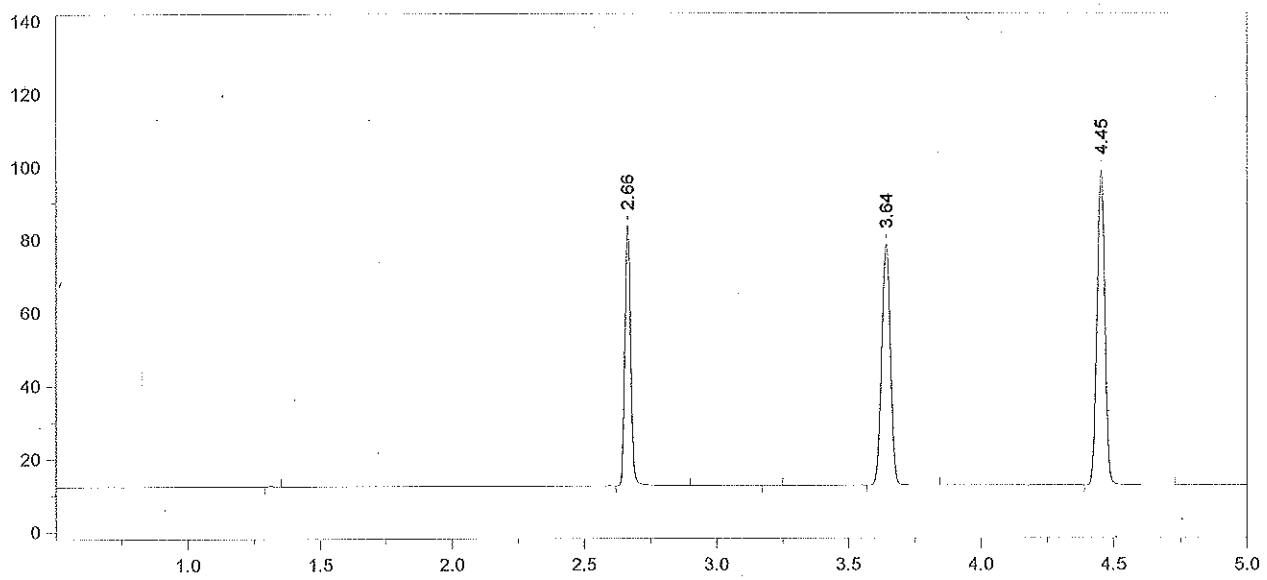
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	108714	0.1185	0.0967
4	3.64	t-Butanol	151718	1.0389	0.8479
5	4.45	n-Propanol	180884	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/13/2012
Today's Time = 5:02:09 PM
Bound File Name = SIM11132012.0015.RAW
Sample Name = 0.1 RLM
Date Taken = 11/13/2012 5:01:57 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM11132012.CAL
Calibration Version = 7

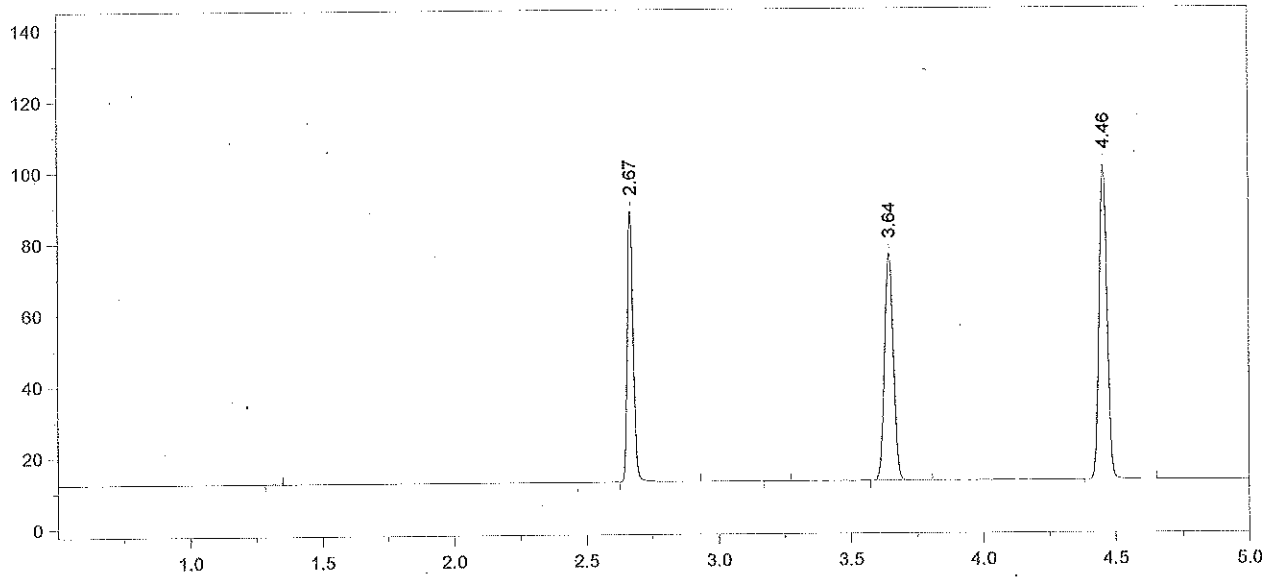
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	118432	0.1214	0.0991
4	3.64	t-Butanol	150482	0.9694	0.7912
5	4.45	n-Propanol	192269	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/13/2012 Today's Time = 5:20:22 PM
Bound File Name = SIM11132012.0016.RAW
Sample Name = 0.1 RLM
Date Taken = 11/13/2012 5:20:11 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM11132012.CAL Calibration Version = 7

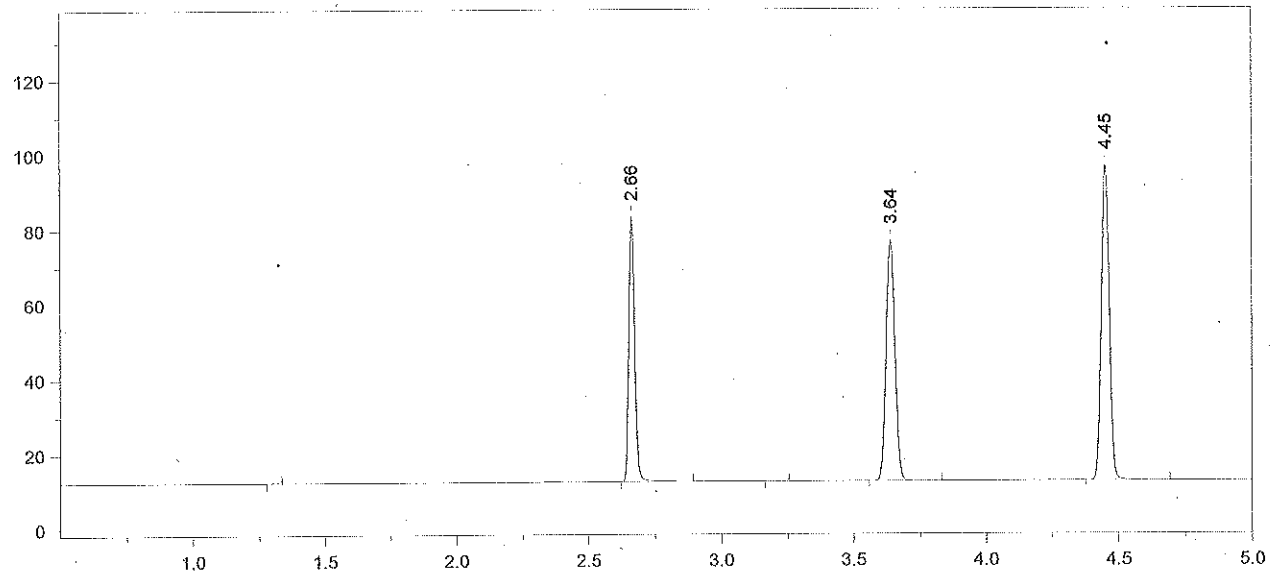
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	110288	0.1189	0.0970
4	3.64	t-Butanol	153020	1.0364	0.8459
5	4.45	n-Propanol	182866	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/13/2012
Today's Time = 5:34:01 PM
Bound File Name = SIM11132012.0017.RAW
Sample Name = 0.1 RLM
Date Taken = 11/13/2012 5:33:52 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM11132012.CAL
Calibration Version = 7

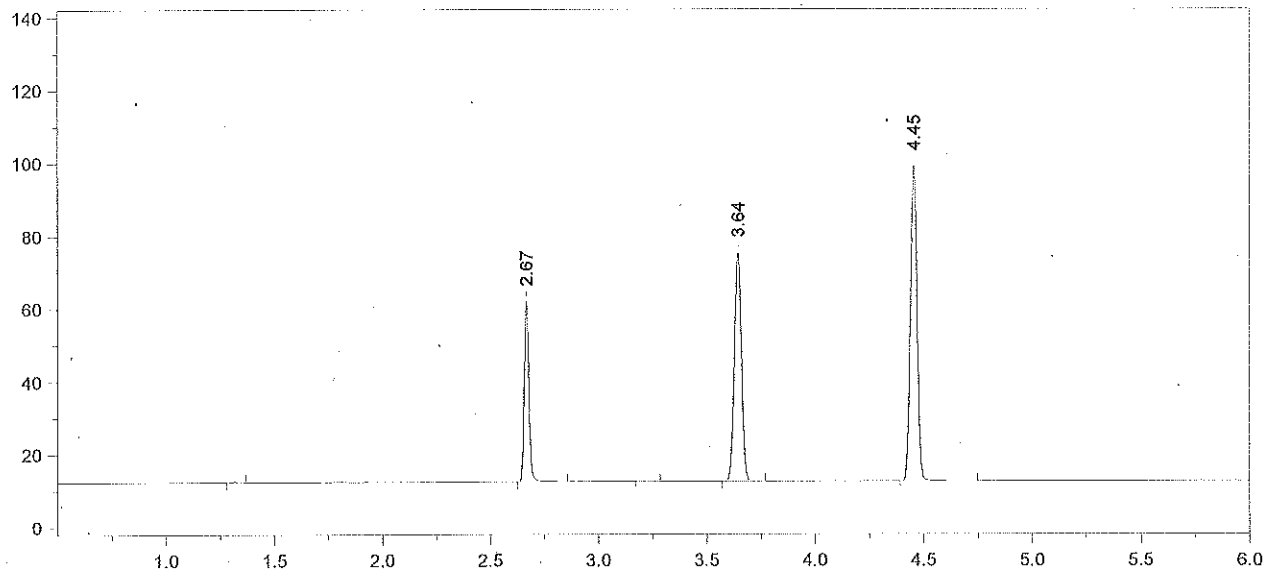
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	116679	0.1225	0.1000
4	3.64	t-Butanol	146929	0.9693	0.7912
5	4.46	n-Propanol	187745	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/13/2012
Today's Time = 5:51:44 PM
Bound File Name = SIM11132012.0018.RAW
Sample Name = 0.1 RLM
Date Taken = 11/13/2012 5:51:36 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM11132012.CAL
Calibration Version = 7

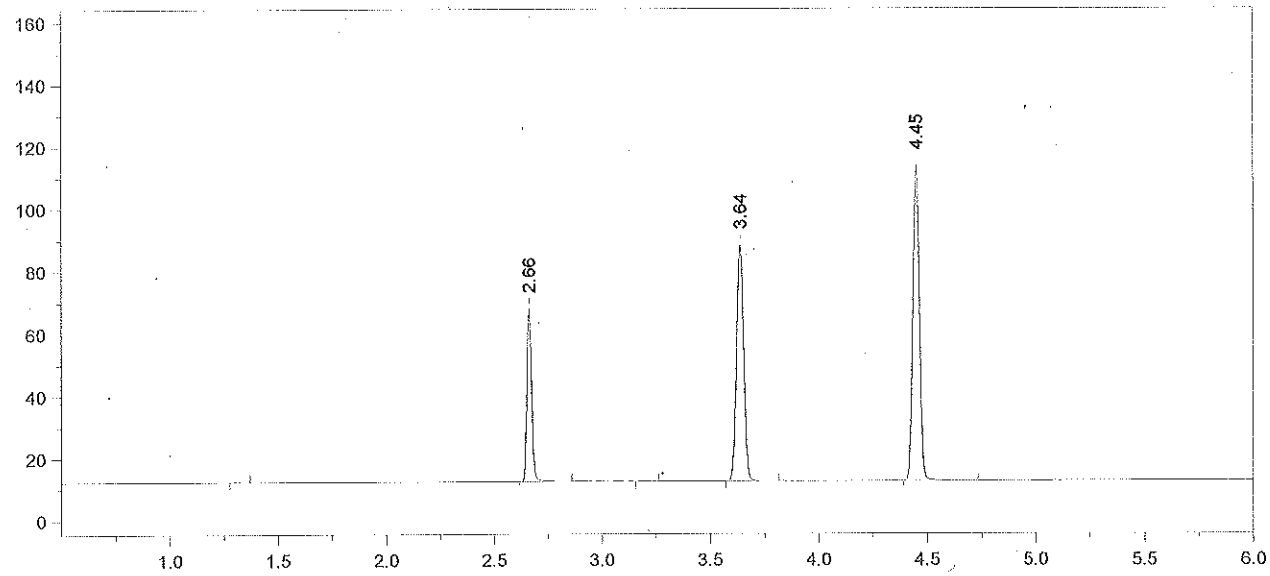
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	108079	0.1197	0.0977
4	3.64	t-Butanol	148189	1.0311	0.8416
5	4.45	n-Propanol	178015	1.0000	0.8162



Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012
Today's Time = 6:05:25 PM
Bound File Name = SIM11132012.0019.RAW
Sample Name = CCS
Date Taken = 11/13/2012 6:05:18 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM11132012.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	76010	0.0813
4	3.64	t-Butanol	144459	0.9713
5	4.45	n-Propanol	184207	1.0000



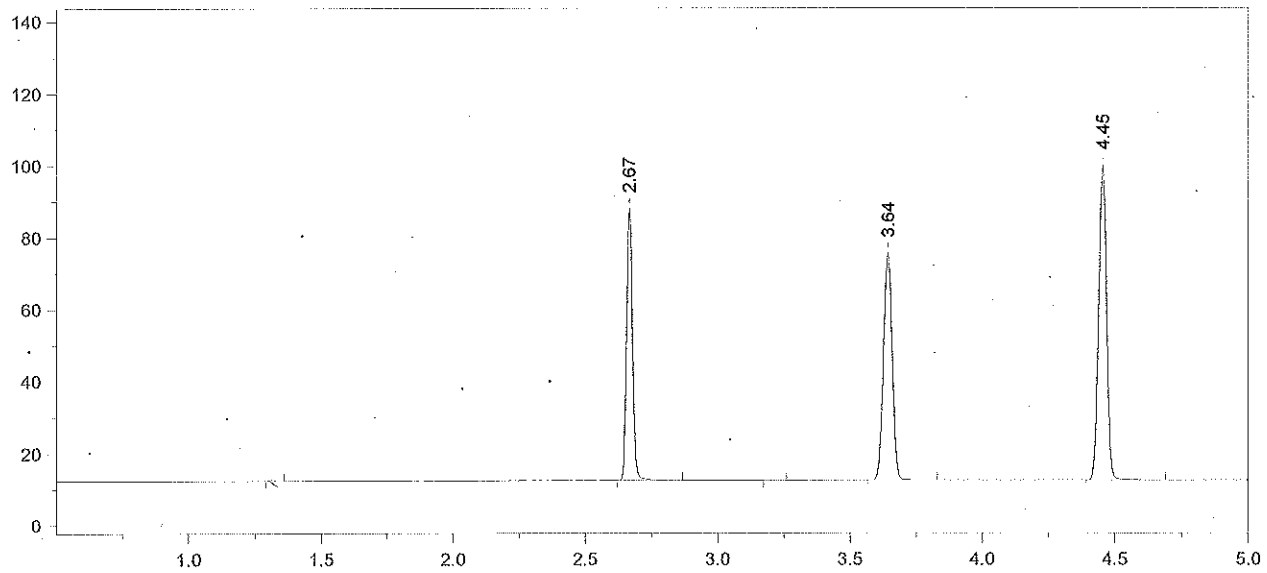
Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012
Today's Time = 6:21:25 PM
Bound File Name = SIM11132012.0020.RAW
Sample Name = CCS
Date Taken = 11/13/2012 6:21:17 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM11132012.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	85559	0.0792
4	3.64	t-Butanol	174807	1.0169
5	4.45	n-Propanol	212918	1.0000

Avg #19 + #20 = 0.080 ✓

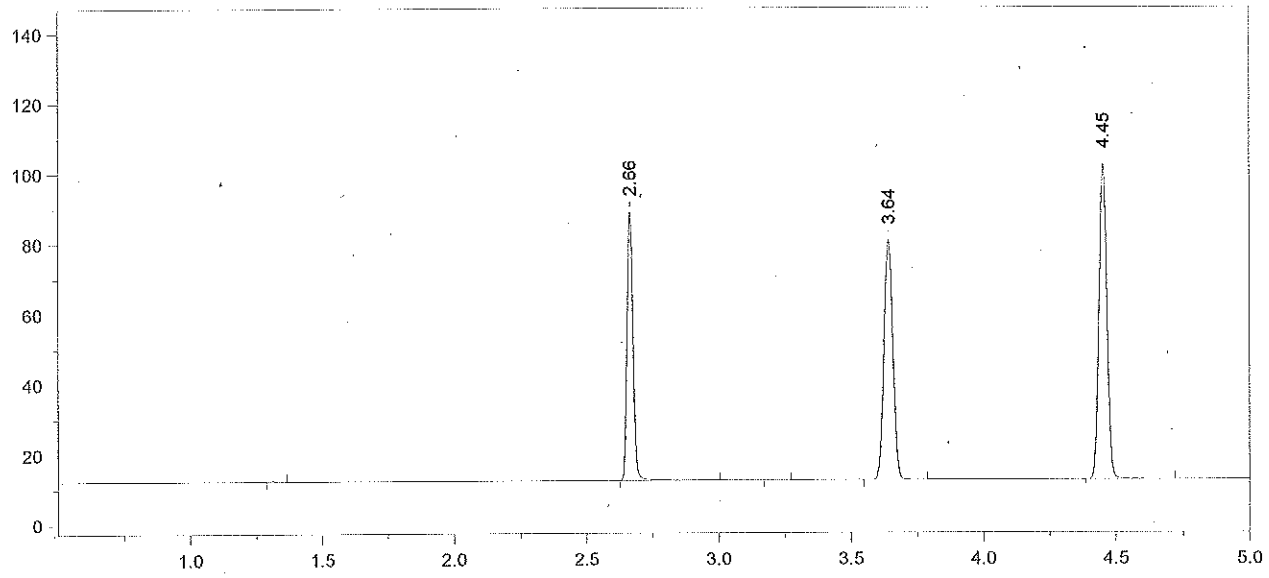
RLM 11/14/12



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/13/2012
Today's Time = 6:36:54 PM
Bound File Name = SIM11132012.0021.RAW
Sample Name = 0.1 ALB
Date Taken = 11/13/2012 6:36:45 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM11132012.CAL
Calibration Version = 7

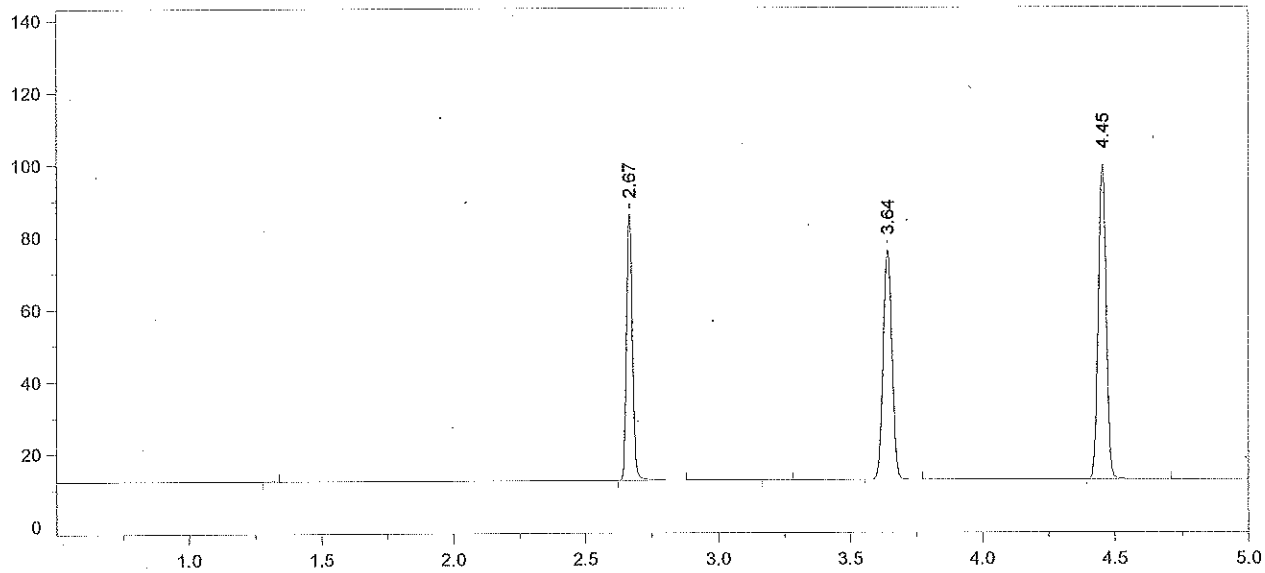
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	116148	0.1241	0.1013
4	3.64	t-Butanol	145726	0.9784	0.7986
5	4.45	n-Propanol	184476	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/13/2012
Today's Time = 6:51:16 PM
Bound File Name = SIM11132012.0022.RAW
Sample Name = 0.1 ALB
Date Taken = 11/13/2012 6:51:09 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM11132012.CAL
Calibration Version = 7

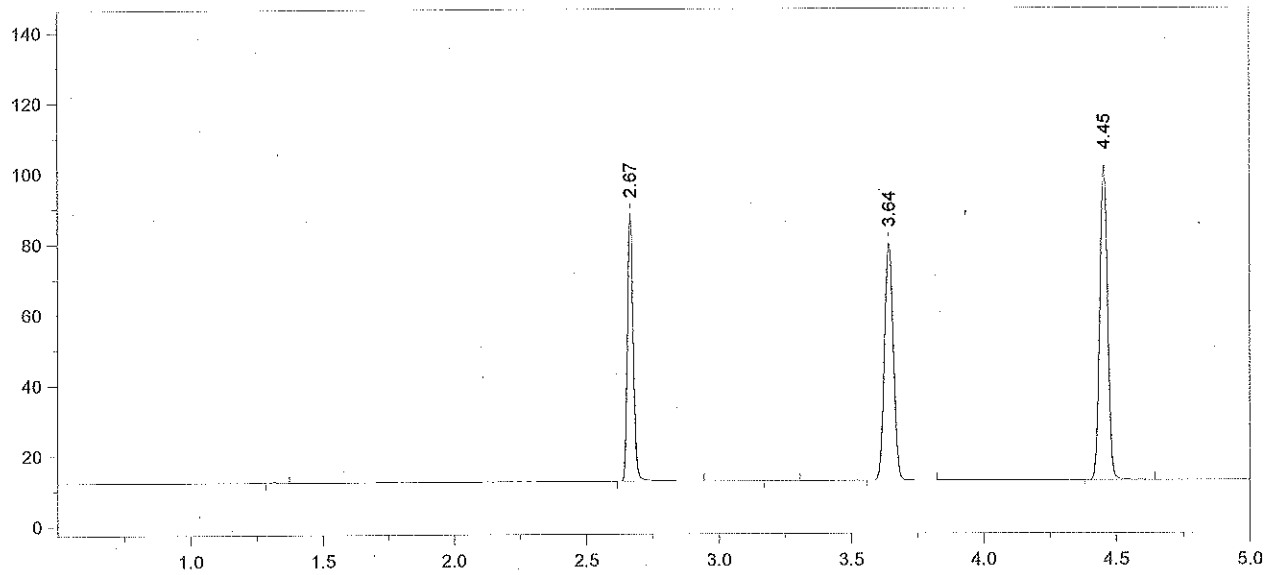
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	117836	0.1217	0.0993
4	3.64	t-Butanol	158037	1.0257	0.8372
5	4.45	n-Propanol	190838	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/13/2012
Today's Time = 7:07:01 PM
Bound File Name = SIM11132012.0023.RAW
Sample Name = 0.1 ALB
Date Taken = 11/13/2012 7:06:55 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM11132012.CAL
Calibration Version = 7

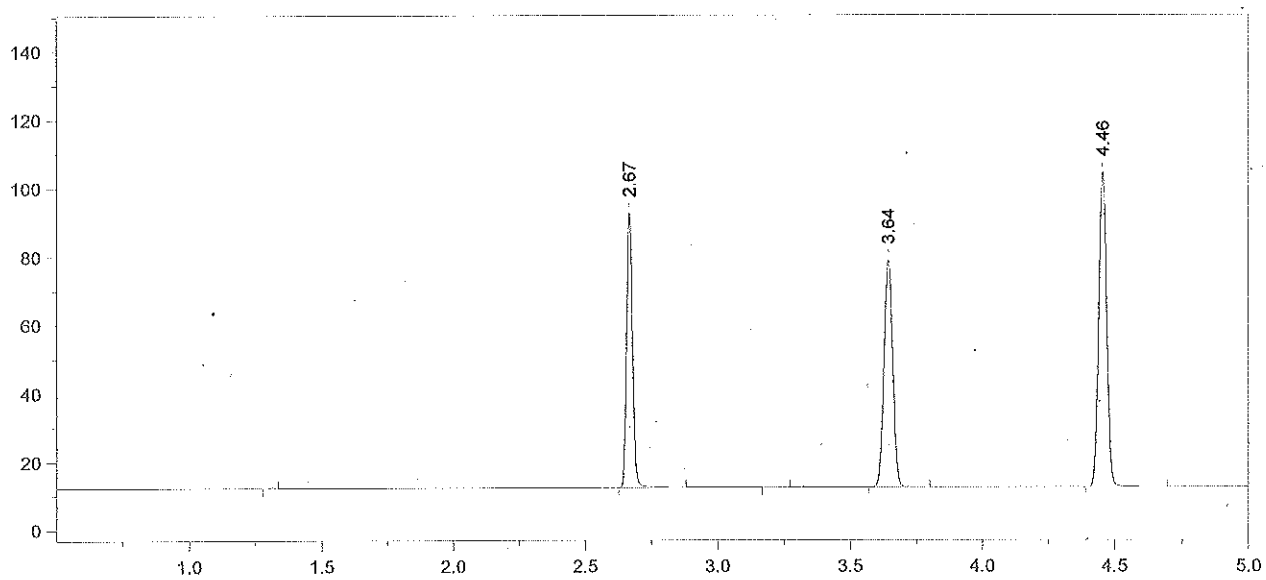
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	114000	0.1219	0.0995
4	3.64	t-Butanol	146446	0.9839	0.8031
5	4.45	n-Propanol	184352	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/13/2012
Today's Time = 7:23:17 PM
Bound File Name = SIM11132012.0024.RAW
Sample Name = 0.1 ALB
Date Taken = 11/13/2012 7:23:06 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM11132012.CAL
Calibration Version = 7

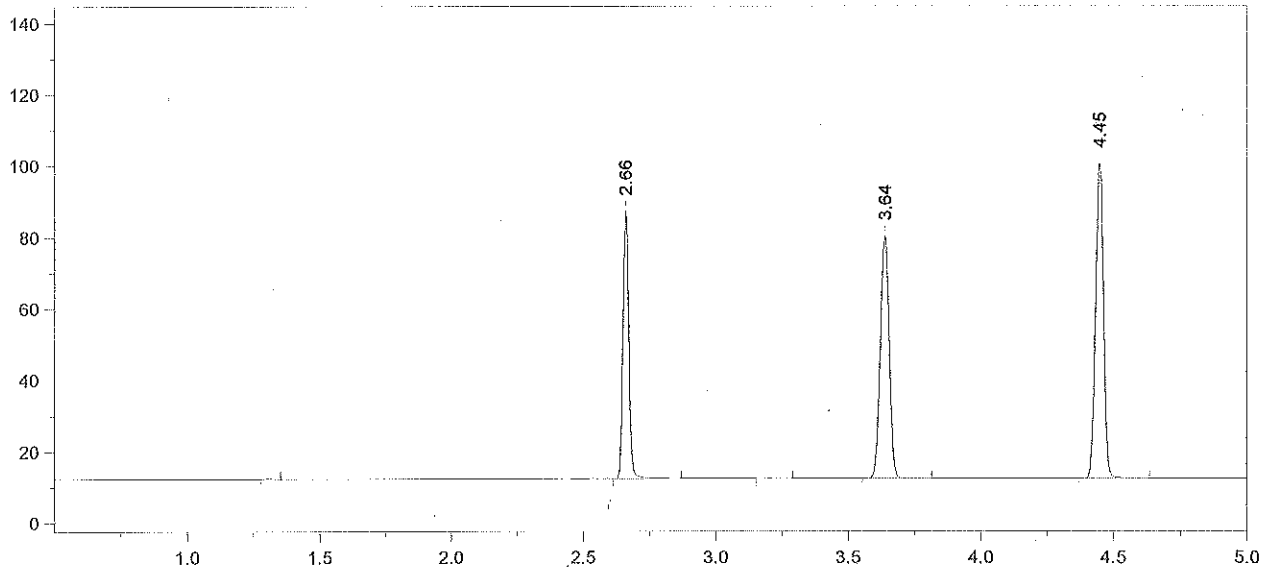
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	116418	0.1215	0.0992
4	3.64	t-Butanol	155853	1.0223	0.8344
5	4.45	n-Propanol	188818	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/13/2012
Today's Time = 7:37:28 PM
Bound File Name = SIM11132012.0025.RAW
Sample Name = 0.1 ALB
Date Taken = 11/13/2012 7:37:17 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM11132012.CAL
Calibration Version = 7

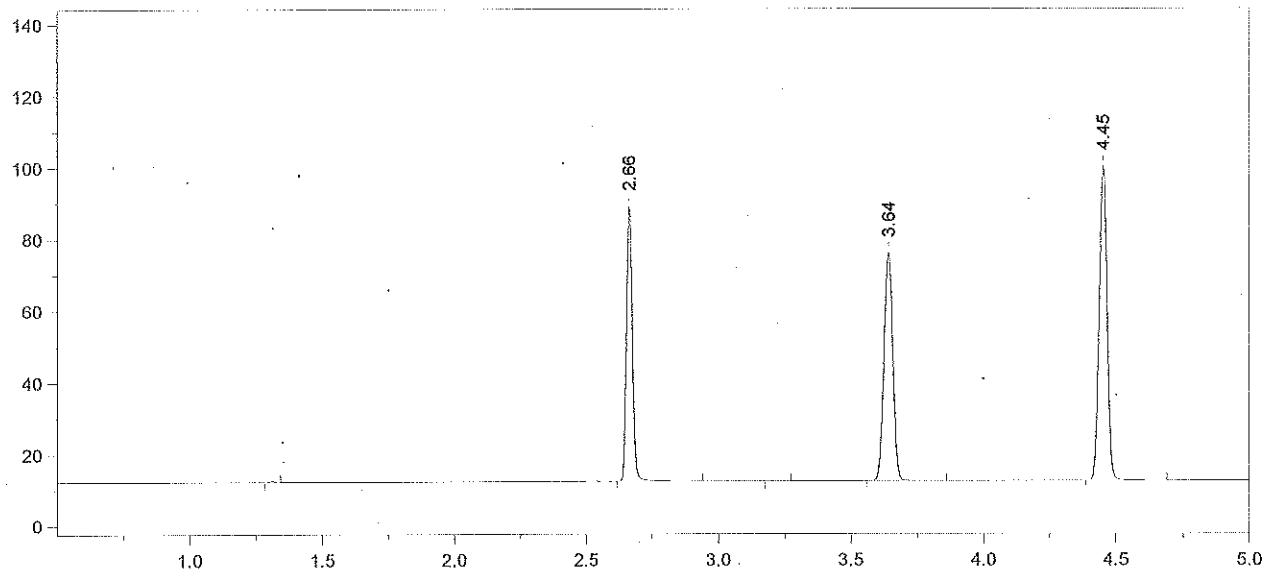
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	123014	0.1239	0.1012
4	3.64	t-Butanol	153460	0.9717	0.7931
5	4.46	n-Propanol	195613	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/13/2012
Today's Time = 7:54:37 PM
Bound File Name = SIM11132012.0026.RAW
Sample Name = 0.1 ALB
Date Taken = 11/13/2012 7:54:31 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM11132012.CAL
Calibration Version = 7

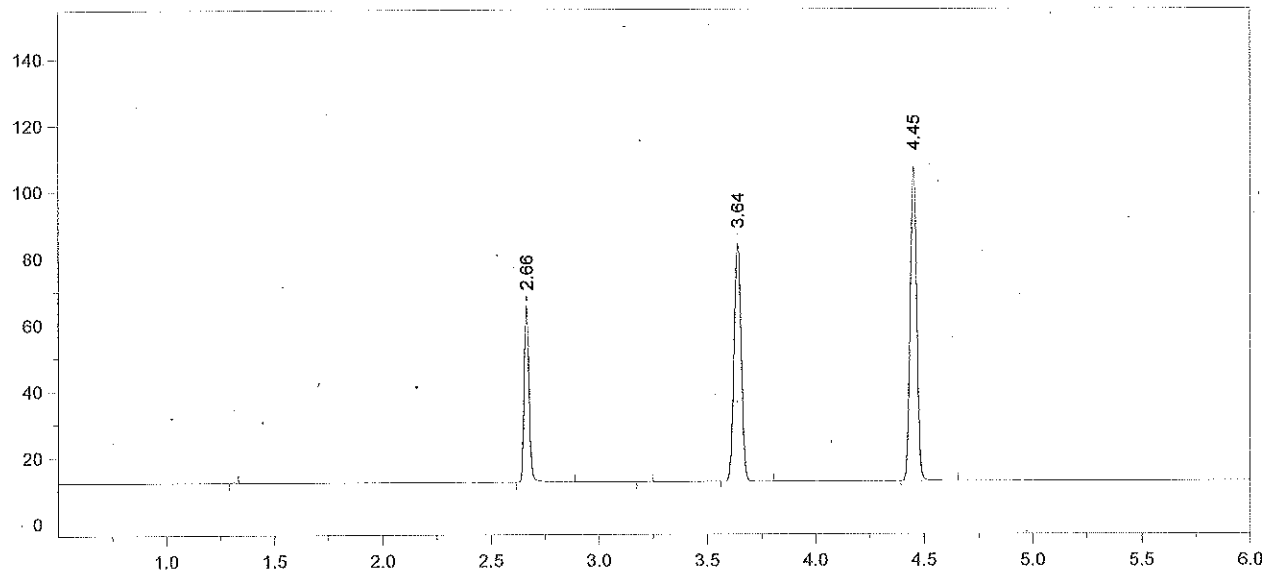
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	114865	0.1205	0.0983
4	3.64	t-Butanol	157333	1.0371	0.8465
5	4.45	n-Propanol	187894	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/13/2012
Today's Time = 8:08:20 PM
Bound File Name = SIM11132012.0027.RAW
Sample Name = 0.1 ALB
Date Taken = 11/13/2012 8:08:13 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM11132012.CAL
Calibration Version = 7

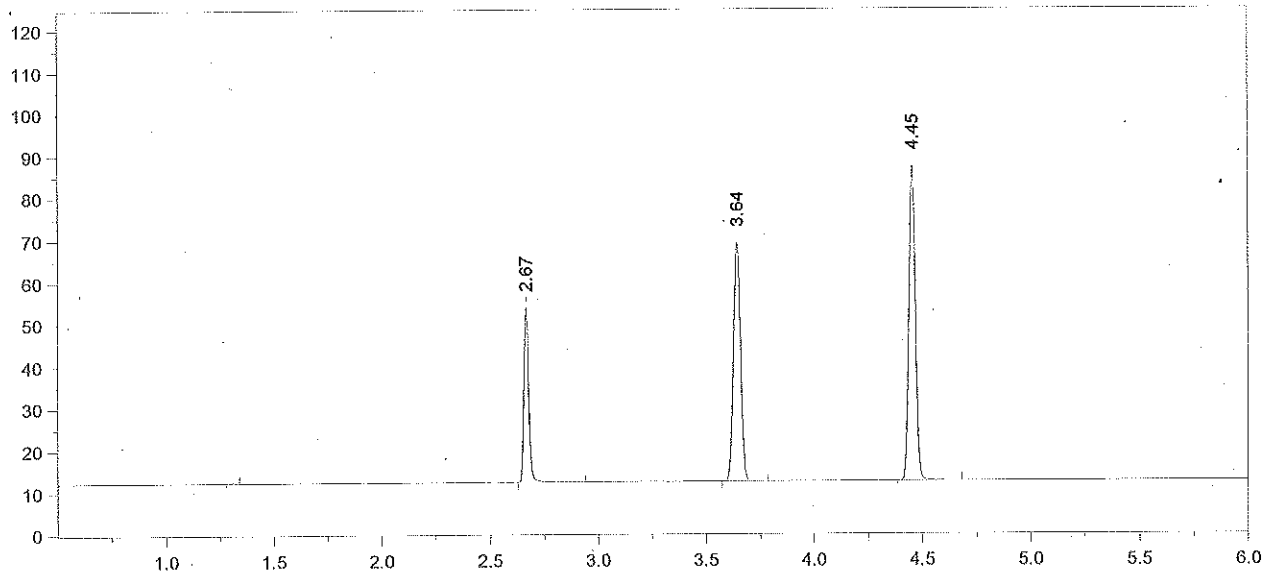
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	118132	0.1246	0.1017
4	3.64	t-Butanol	147197	0.9758	0.7964
5	4.45	n-Propanol	186838	1.0000	0.8162



Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012
Today's Time = 8:26:05 PM
Bound File Name = SIM11132012.0028.RAW
Sample Name = CCS
Date Taken = 11/13/2012 8:25:57 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM11132012.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	82363	0.0806
4	3.64	t-Butanol	166066	1.0217
5	4.45	n-Propanol	201314	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/13/2012
Today's Time = 8:39:25 PM
Bound File Name = SIM11132012.0029.RAW
Sample Name = CCS
Date Taken = 11/13/2012 8:39:13 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM11132012.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	64576	0.0802
3	3.64	t-Butanol	130778	1.0206
4	4.45	n-Propanol	158711	1.0000

Avg #28 + #29 = 0.080 ✓
RZM 11/14/12

Headspace Alcohol Analysis Standards Coversheet

Analyst: ALB Date: 11/14/2012

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
% 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	✓
2	Compound Retention Times:			N/A	
		Acetaldehyde	1.92		
		Methanol	2.02		
		Ethanol	2.66		
		Acetone	3.07		
		Isopropanol	3.20		
		T- butanol	3.64		
		n-propanol	4.45		
3	Standard A		0.006	(Y) N	✓
4	Standard B		0.024	(Y) N	✓
5	Standard C		0.080	(Y) N	✓
6	Standard D		0.195	(Y) N	✓
7	Standard E		0.406	(Y) N	✓
8	Aqueous QC		0.0776	(Y) N ✓	Avg = 0.079 (98% recovery)
9	Aqueous QC		0.0798	(Y) N ✓	

11/15/2012

File Name: C:\Methods\VFL11142012.CAL
Version: 7

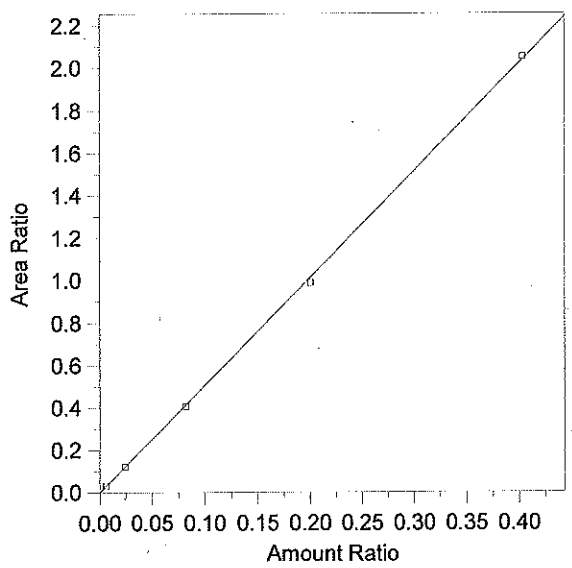
Creator:
Description:
Reason for change:

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: 2.665 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 = 5.054849 X + 0

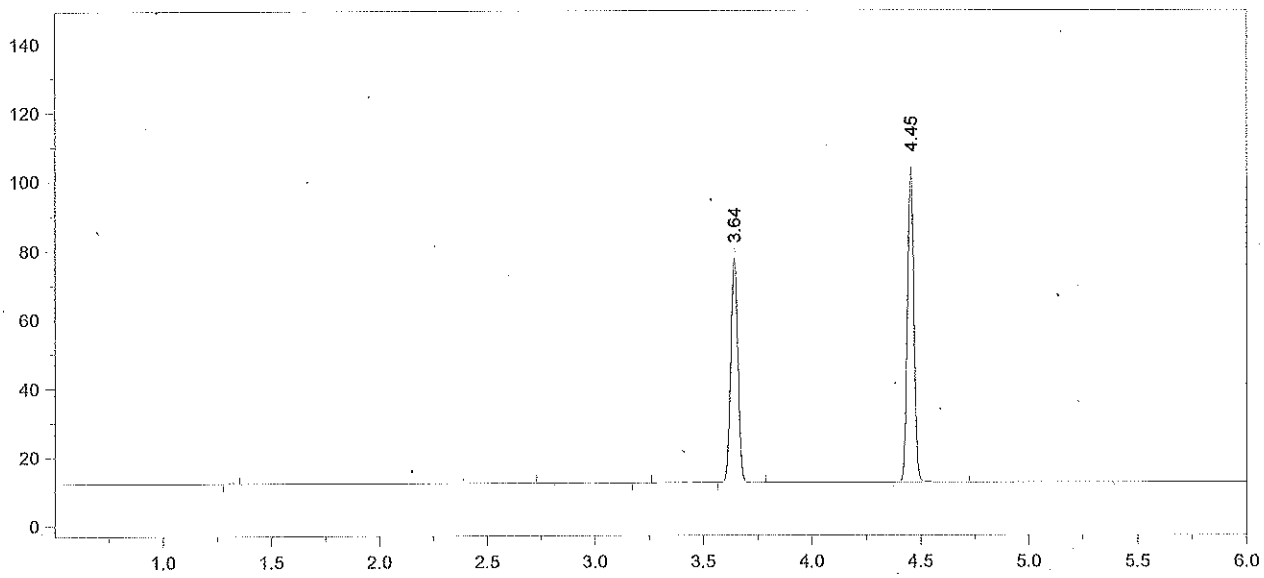
Linear fit with equal weighting, forced to origin
Coefficient of determination: 0.9996883
Average error: 2.557%
Average CF: 5.084795
RSD: 3.843%

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	6097.041	1016174	7.203	0.006	3.251382E-02	C:\Alcohol Data\VFL11142012\VFL11142012.0003.BND	11/14/2012 11:07:00 AM
3	0.0242	21565.56	891138.9	-1.257	0.0242	0.1207899	C:\Alcohol Data\VFL11142012\VFL11142012.0004.BND	11/14/2012 11:24:48 AM
4	0.0813	71982.14	885389.2	-1.142	0.0813	0.4062667	C:\Alcohol Data\VFL11142012\VFL11142012.0005.BND	11/14/2012 11:38:03 AM
5	0.2004	186732.5	931798.9	-2.514	0.2004	0.9875293	C:\Alcohol Data\VFL11142012\VFL11142012.0006.BND	11/14/2012 11:54:32 AM
6	0.403	371742.5	922438	0.671	0.403	2.050772	C:\Alcohol Data\VFL11142012\VFL11142012.0007.BND	11/14/2012 12:09:47 PM

File Name = C:\Alcohol Data\VFL11142012\VFL11142012.SEQ
Version = 1
File Date = 11/14/2012 9:59:19 AM

Entry #	Raw File Name	Method File Name	Sample Name	Sample Wt.	Int. Std. Amount
1	VFL11142012.0001.raw	Blood Alc New VFL.MET	BLANK	1.00	1.00
2	VFL11142012.0002.raw	Blood Alc New VFL.MET	TMX	1.00	1.00
3	VFL11142012.0003.raw	Blood Alc New VFL.MET	STD A	1.00	1.00
4	VFL11142012.0004.raw	Blood Alc New VFL.MET	STD B	1.00	1.00
5	VFL11142012.0005.raw	Blood Alc New VFL.MET	STD C	1.00	1.00
6	VFL11142012.0006.raw	Blood Alc New VFL.MET	STD D	1.00	1.00
7	VFL11142012.0007.raw	Blood Alc New VFL.MET	STD E	1.00	1.00
8	VFL11142012.0008.raw	Blood Alc New VFL.MET	WB QC	1.00	1.00
9	VFL11142012.0009.raw	Blood Alc New VFL.MET	WB QC	1.00	1.00
10	VFL11142012.0010.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
11	VFL11142012.0011.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
12	VFL11142012.0012.raw	Blood Alc New VFL.MET	2008 AL1-11	1.00	1.00
13	VFL11142012.0013.raw	Blood Alc New VFL.MET	2008 AL1-11	1.00	1.00
14	VFL11142012.0014.raw	Blood Alc New VFL.MET	2008 AL1-12	1.00	1.00
15	VFL11142012.0015.raw	Blood Alc New VFL.MET	2008 AL1-12	1.00	1.00
16	VFL11142012.0016.raw	Blood Alc New VFL.MET	2008 AL1-13	1.00	1.00
17	VFL11142012.0017.raw	Blood Alc New VFL.MET	2008 AL1-13	1.00	1.00
18	VFL11142012.0018.raw	Blood Alc New VFL.MET	2008 AL1-14	1.00	1.00
19	VFL11142012.0019.raw	Blood Alc New VFL.MET	2008 AL1-14	1.00	1.00
20	VFL11142012.0020.raw	Blood Alc New VFL.MET	2008 AL1-15	1.00	1.00
21	VFL11142012.0021.raw	Blood Alc New VFL.MET	2008 AL1-15	1.00	1.00
22	VFL11142012.0022.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
23	VFL11142012.0023.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
24	VFL11142012.0024.raw	Blood Alc New VFL.MET	AQ QC	1.00	1.00
25	VFL11142012.0025.raw	Blood Alc New VFL.MET	AQ QC	1.00	1.00
26	VFL11142012.0026.raw	simsoln.met	0.1 ALB	1.00	1.00
27	VFL11142012.0027.raw	simsoln.met	0.1 ALB	1.00	1.00
28	VFL11142012.0028.raw	simsoln.met	0.1 ALB	1.00	1.00
29	VFL11142012.0029.raw	simsoln.met	0.1 ALB	1.00	1.00
30	VFL11142012.0030.raw	simsoln.met	0.1 ALB	1.00	1.00
31	VFL11142012.0031.raw	simsoln.met	0.1 ALB	1.00	1.00
32	VFL11142012.0032.raw	simsoln.met	0.1 ALB	1.00	1.00
33	VFL11142012.0033.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
34	VFL11142012.0034.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
35	VFL11142012.0035.raw	simsoln.met	0.1 RLM	1.00	1.00
36	VFL11142012.0036.raw	simsoln.met	0.1 RLM	1.00	1.00
37	VFL11142012.0037.raw	simsoln.met	0.1 RLM	1.00	1.00
38	VFL11142012.0038.raw	simsoln.met	0.1 RLM	1.00	1.00
39	VFL11142012.0039.raw	simsoln.met	0.1 RLM	1.00	1.00
40	VFL11142012.0040.raw	simsoln.met	0.1 RLM	1.00	1.00
41	VFL11142012.0041.raw	simsoln.met	0.1 RLM	1.00	1.00
42	VFL11142012.0042.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
43	VFL11142012.0043.raw	Blood Alc New VFL.MET	CCS	1.00	1.00

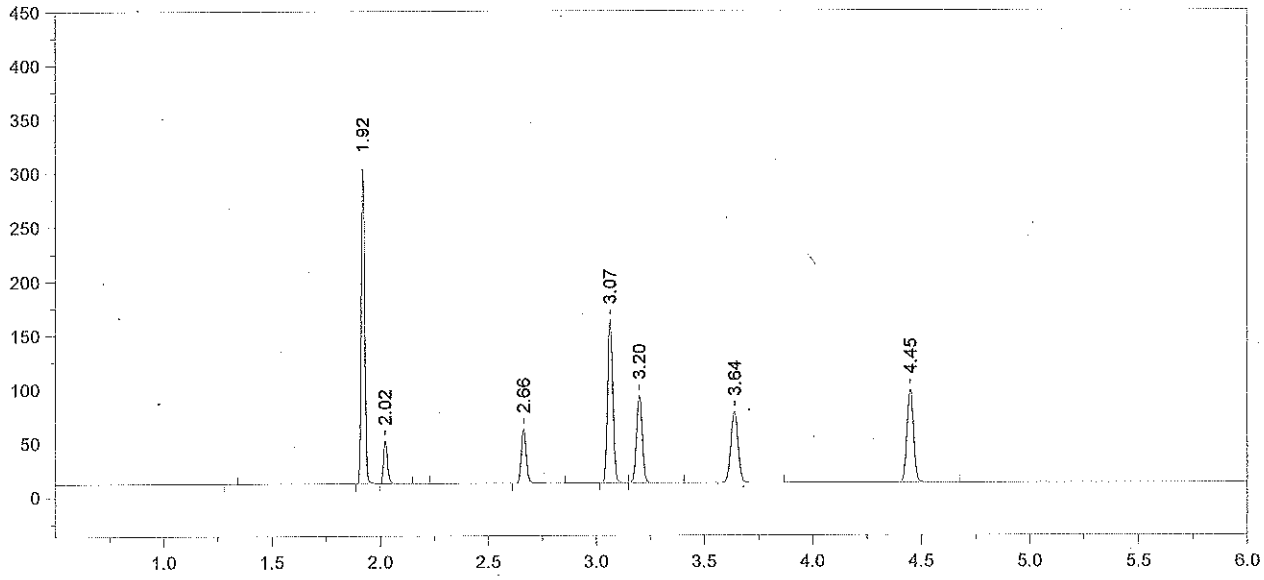
ACB Competency samples not included in package 11/15/12 ACB



Format File Name = AlcoholVFL.FMT

Today's Date = 11/15/2012
Today's Time = 7:20:37 AM
Bound File Name = VFL11142012.0001.RAW
Sample Name = BLANK
Date Taken = 11/14/2012 10:35:53 AM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11142012.CAL
Calibration Version = 7

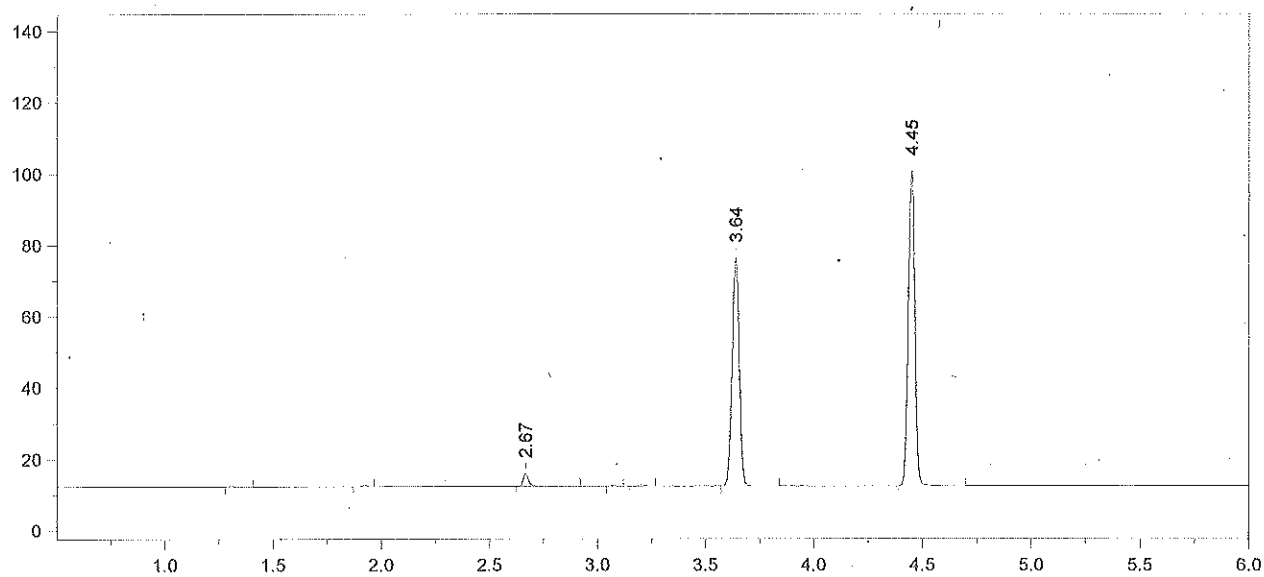
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
4	3.64	t-Butanol	149107	0.9597
5	4.45	n-Propanol	191116	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/15/2012
Today's Time = 7:20:45 AM
Bound File Name = VFL11142012.0002.RAW
Sample Name = TMX
Date Taken = 11/14/2012 10:53:14 AM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11142012.CAL
Calibration Version = 7

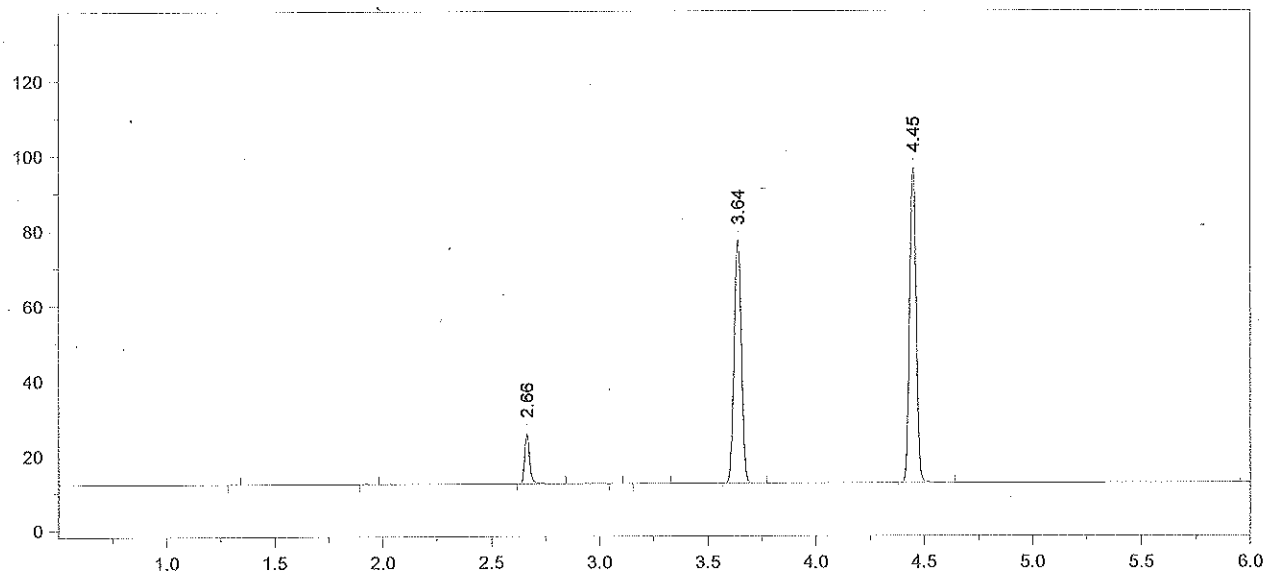
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	1.92	Acetaldehyde	334311	0.0720
3	2.02	Methanol	49283	0.1210
4	2.66	Ethanol	78012	0.0849
5	3.07	Acetone	256058	0.0690
6	3.20	Isopropanol	151517	0.0830
7	3.64	t-Butanol	152341	1.0315
8	4.45	n-Propanol	181680	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/15/2012
Today's Time = 7:20:53 AM
Bound File Name = VFL11142012.0003.RAW
Sample Name = STD A
Date Taken = 11/14/2012 11:06:50 AM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11142012.CAL
Calibration Version = 7

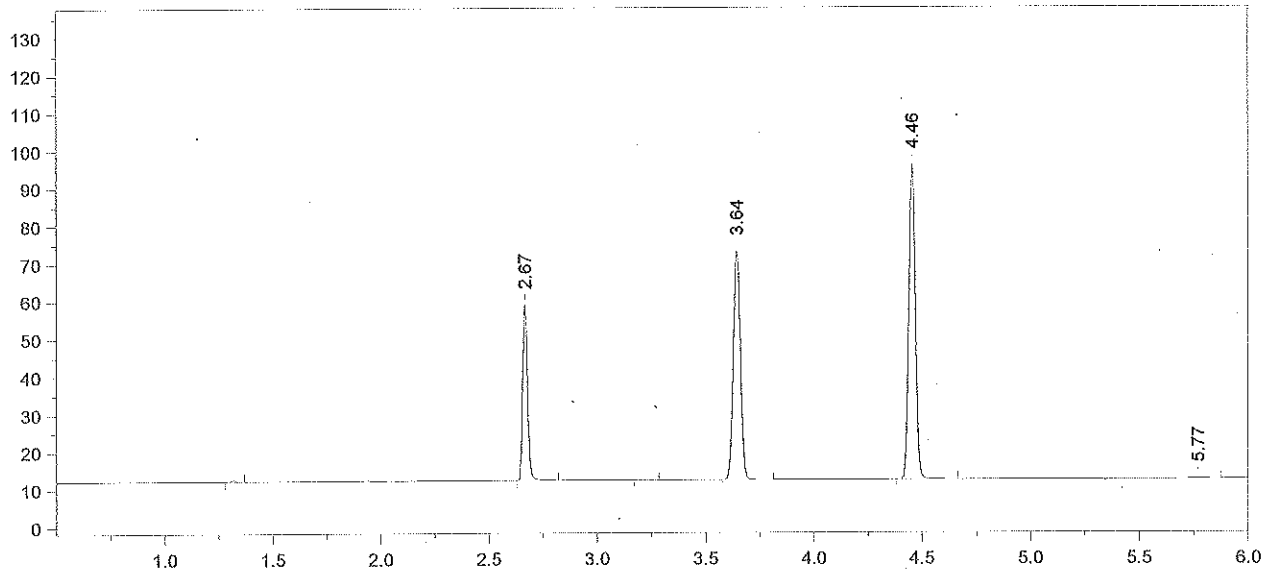
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.67	Ethanol	06097	0.0064
6	3.64	t-Butanol	148048	0.9712
7	4.45	n-Propanol	187522	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/15/2012
Today's Time = 7:21:03 AM
Bound File Name = VFL11142012.0004.RAW
Sample Name = STD B
Date Taken = 11/14/2012 11:24:39 AM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11142012.CAL
Calibration Version = 7

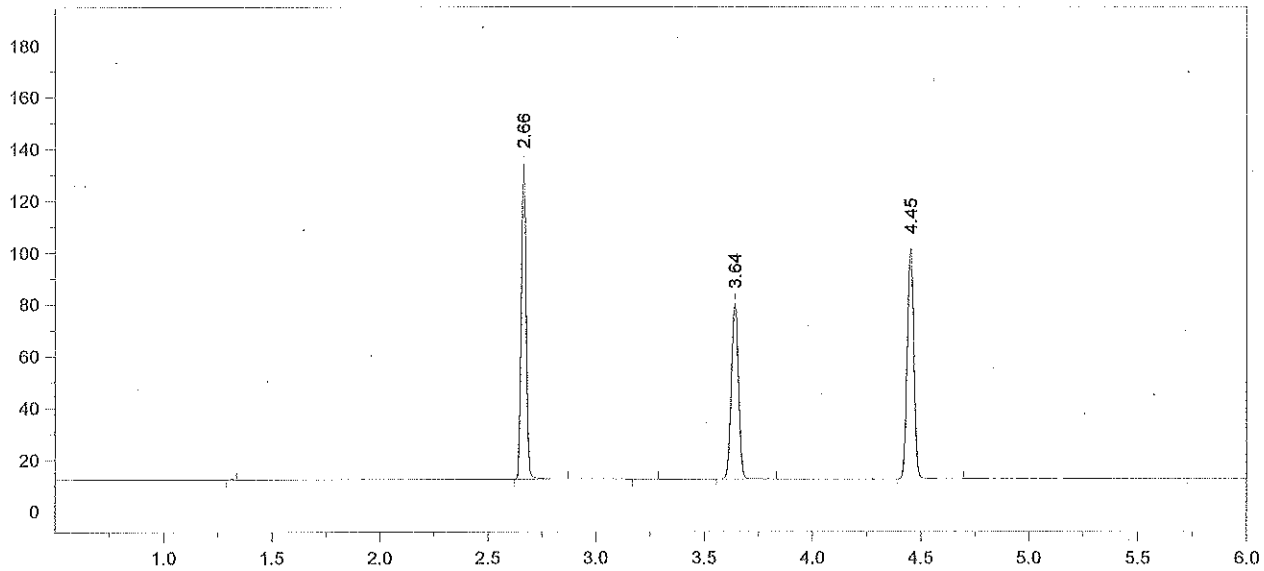
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.66	Ethanol	21566	0.0239
6	3.64	t-Butanol	149962	1.0332
7	4.45	n-Propanol	178538	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/15/2012
Today's Time = 7:21:12 AM
Bound File Name = VFL11142012.0005.RAW
Sample Name = STD C
Date Taken = 11/14/2012 11:37:51 AM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11142012.CAL
Calibration Version = 7

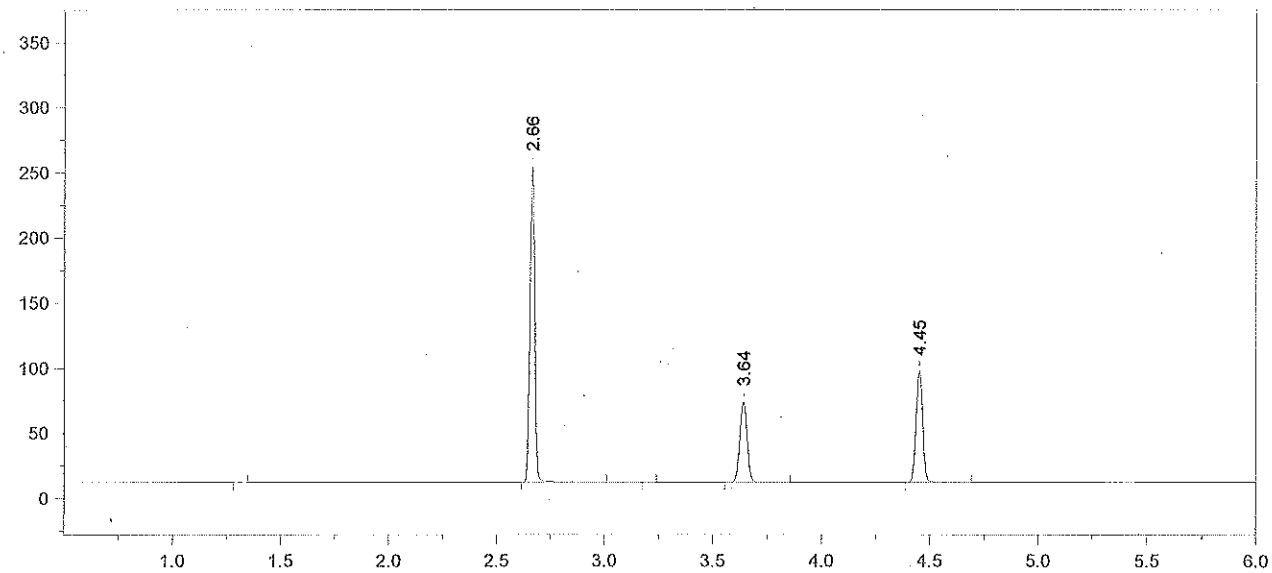
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	71982	0.0804
4	3.64	t-Butanol	140718	0.9770
5	4.46	n-Propanol	177180	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/15/2012
Today's Time = 7:21:24 AM
Bound File Name = VFL11142012.0006.RAW
Sample Name = STD D
Date Taken = 11/14/2012 11:54:23 AM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11142012.CAL
Calibration Version = 7

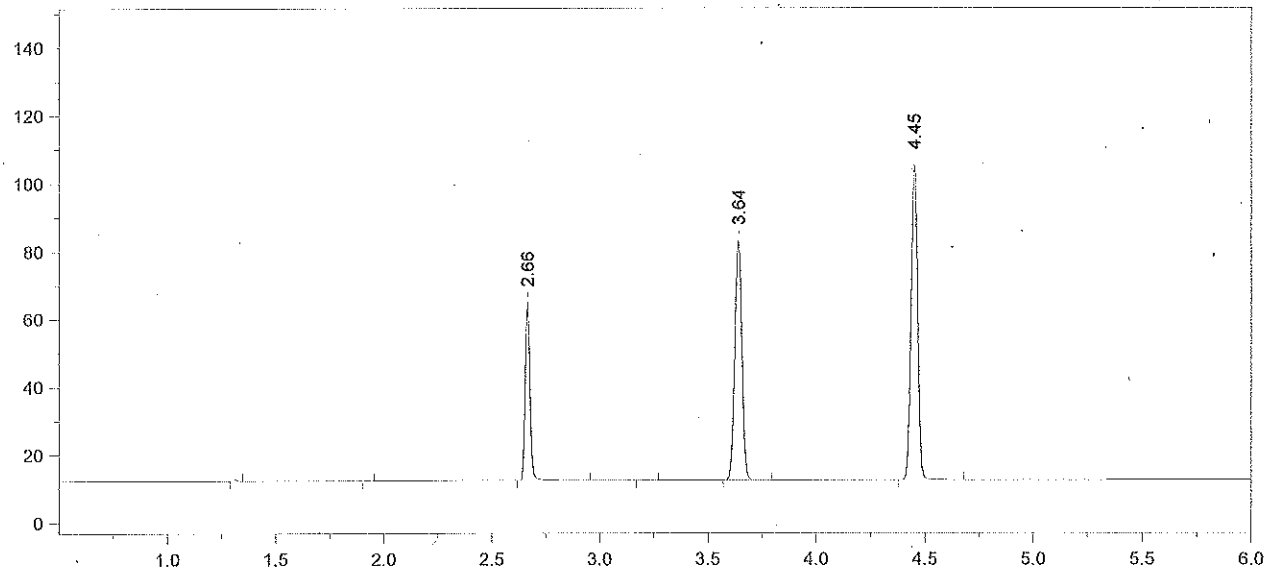
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	186733	0.1954
4	3.64	t-Butanol	156598	1.0187
5	4.45	n-Propanol	189091	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/15/2012
Today's Time = 7:21:36 AM
Bound File Name = VFL11142012.0007.RAW
Sample Name = STD E
Date Taken = 11/14/2012 12:09:41 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11142012.CAL
Calibration Version = 7

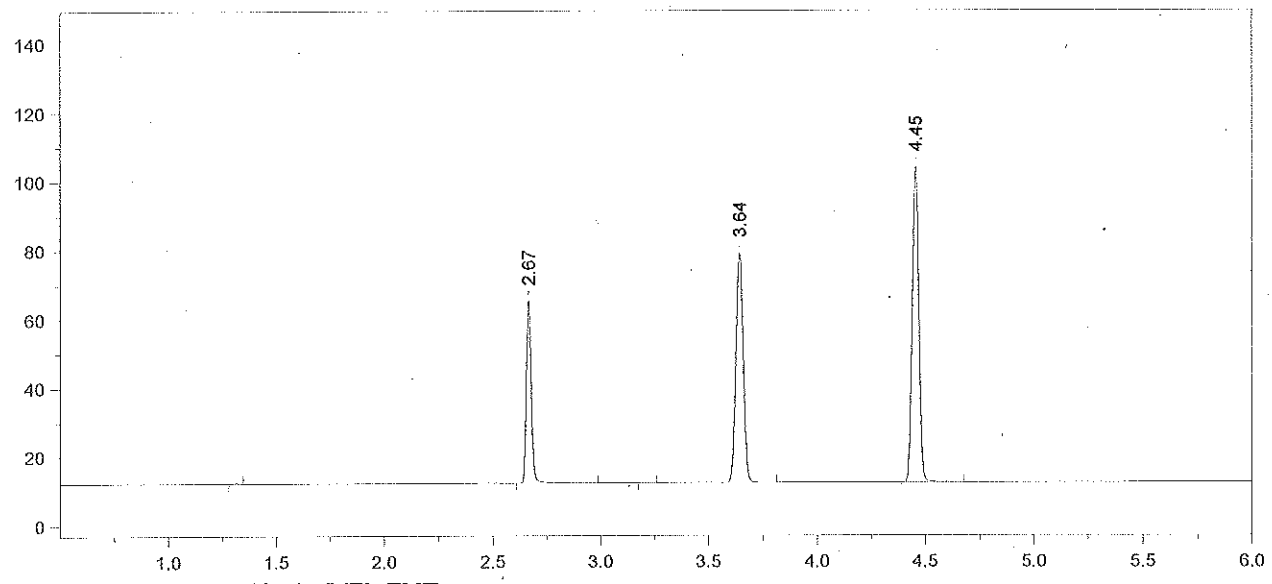
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	371743	0.4057
4	3.64	t-Butanol	142700	0.9684
5	4.45	n-Propanol	181270	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/15/2012
Today's Time = 7:22:34 AM
Bound File Name = VFL11142012.0022.RAW
Sample Name = CCS
Date Taken = 11/14/2012 4:05:48 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11142012.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.66	Ethanol	80962	0.0816
5	3.64	t-Butanol	162796	1.0208
6	4.45	n-Propanol	196172	1.0000



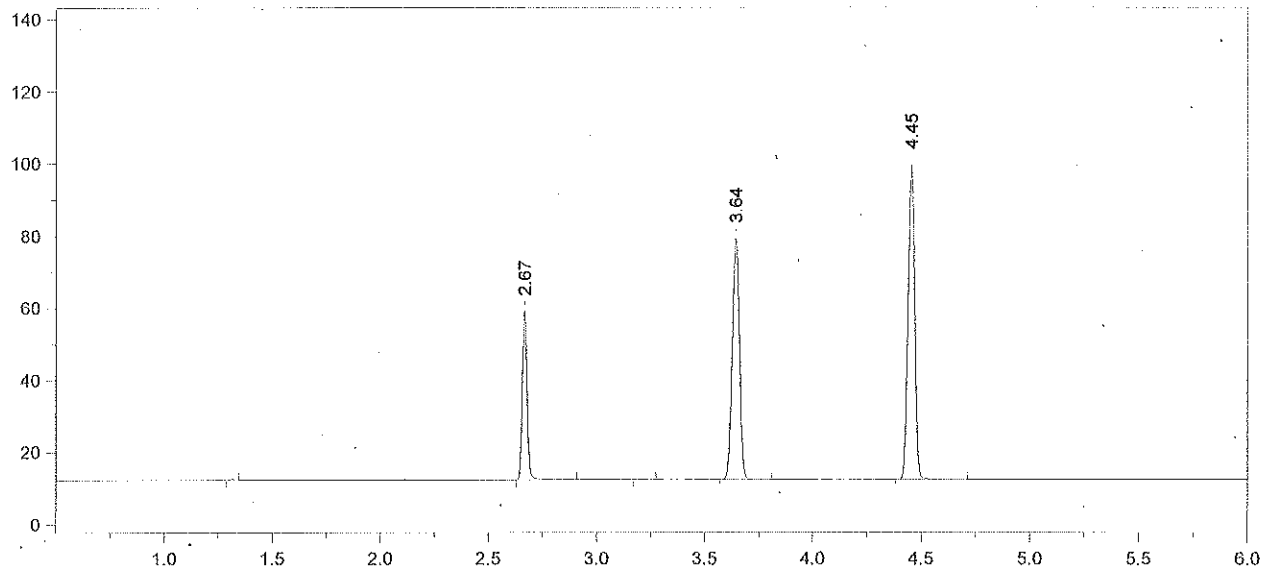
Format File Name = AlcoholVFL.FMT

Today's Date = 11/15/2012
Today's Time = 7:22:44 AM
Bound File Name = VFL11142012.0023.RAW
Sample Name = CCS
Date Taken = 11/14/2012 4:19:33 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11142012.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	81900	0.0832
4	3.64	t-Butanol	154046	0.9728
5	4.45	n-Propanol	194798	1.0000

Avg #22 + #23 = 0.082 ✓

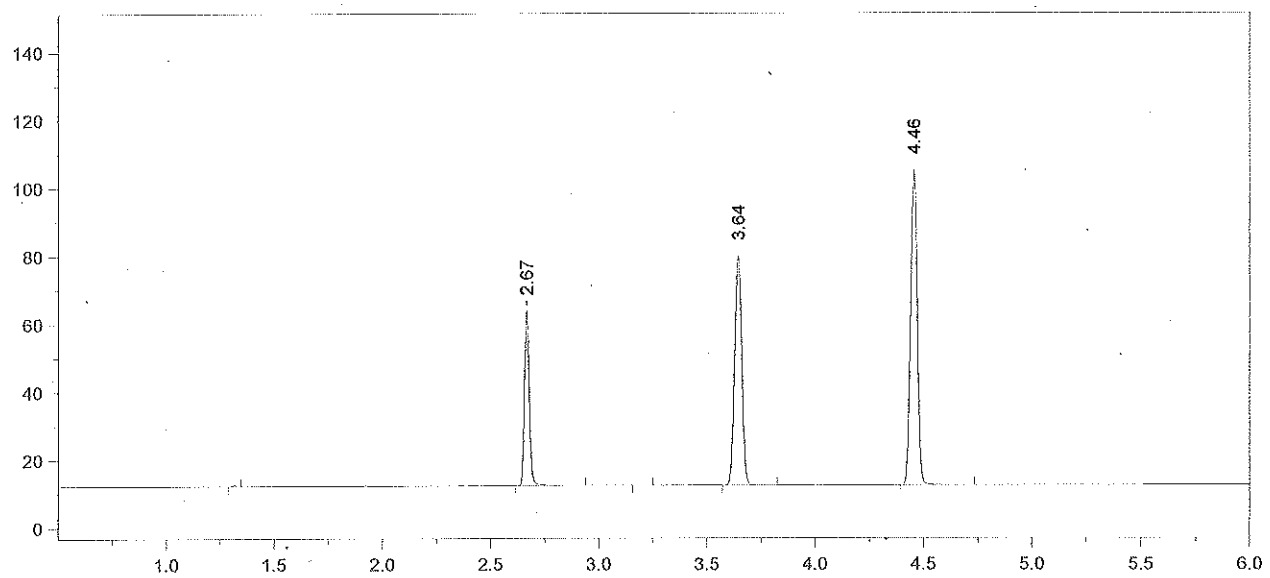
RZM 11/15/12



Format File Name = AlcoholVFL.FMT

Today's Date = 11/14/2012
Today's Time = 4:37:21 PM
Bound File Name = VFL11142012.0024.RAW
Sample Name = AQ QC
Date Taken = 11/14/2012 4:37:14 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11142012.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	72333	0.0776
4	3.64	t-Butanol	153553	1.0246
5	4.45	n-Propanol	184350	1.0000



Format File Name = AlcoholVFL.FMT

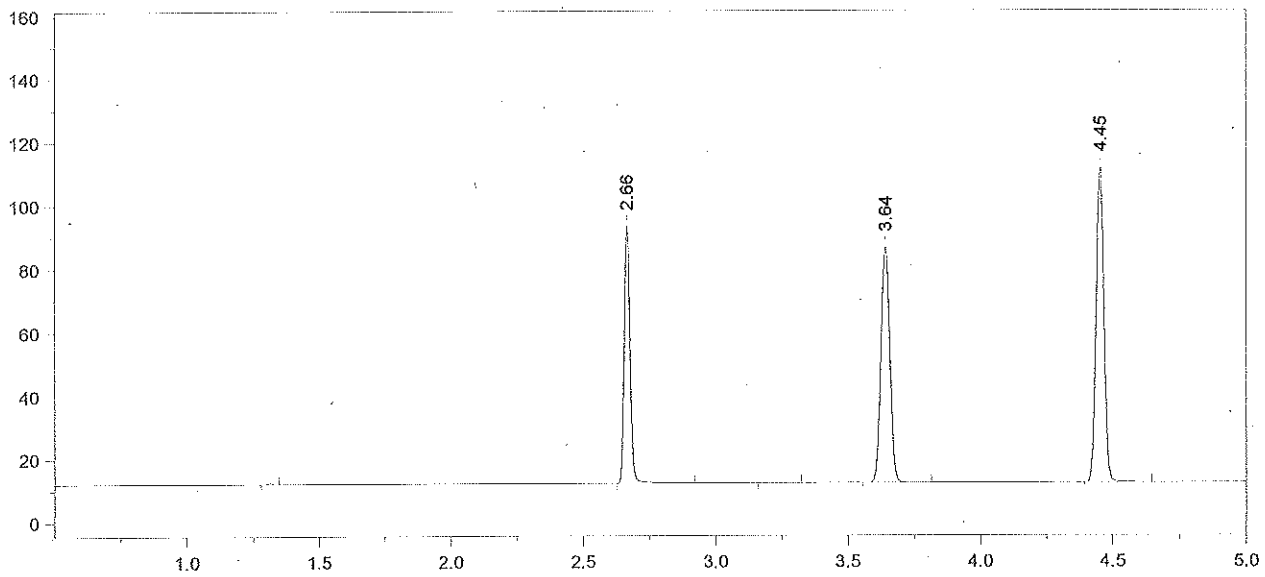
Today's Date = 11/14/2012
Today's Time = 4:51:05 PM
Bound File Name = VFL11142012.0025.RAW
Sample Name = AQ QC
Date Taken = 11/14/2012 4:50:58 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11142012.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	79457	0.0798
4	3.64	t-Butanol	156022	0.9745
5	4.46	n-Propanol	196944	1.0000

Avg #24 + #25 = 0.079

98% recovery ✓

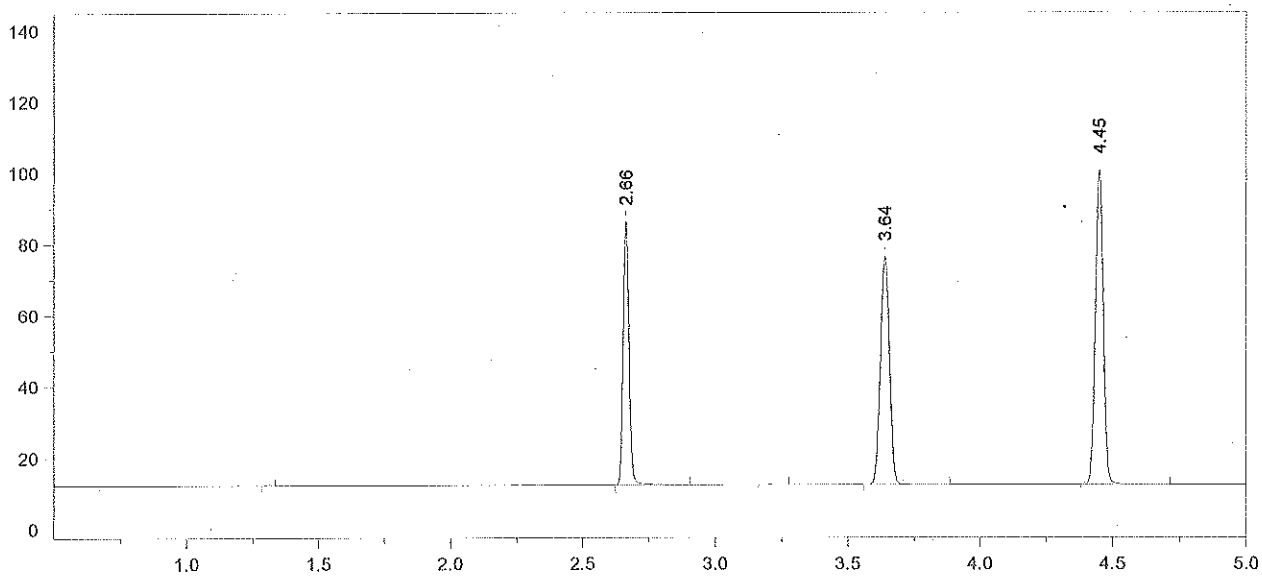
RLM 11/15/12



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/14/2012
Today's Time = 5:07:08 PM
Bound File Name = VFL11142012.0026.RAW
Sample Name = 0.1 ALB
Date Taken = 11/14/2012 5:06:56 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11142012.CAL
Calibration Version = 7

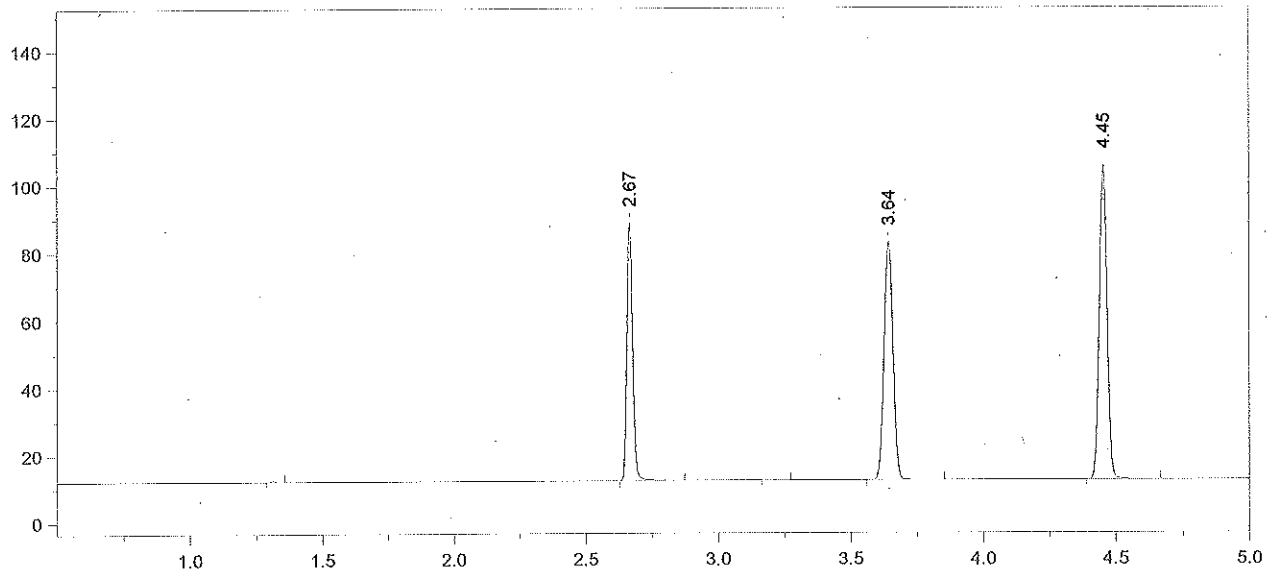
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	125112	0.1183	0.0966
4	3.64	t-Butanol	172137	1.0123	0.8263
5	4.45	n-Propanol	209170	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/14/2012
Today's Time = 5:22:39 PM
Bound File Name = VFL11142012.0027.RAW
Sample Name = 0.1 ALB
Date Taken = 11/14/2012 5:22:29 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11142012.CAL
Calibration Version = 7

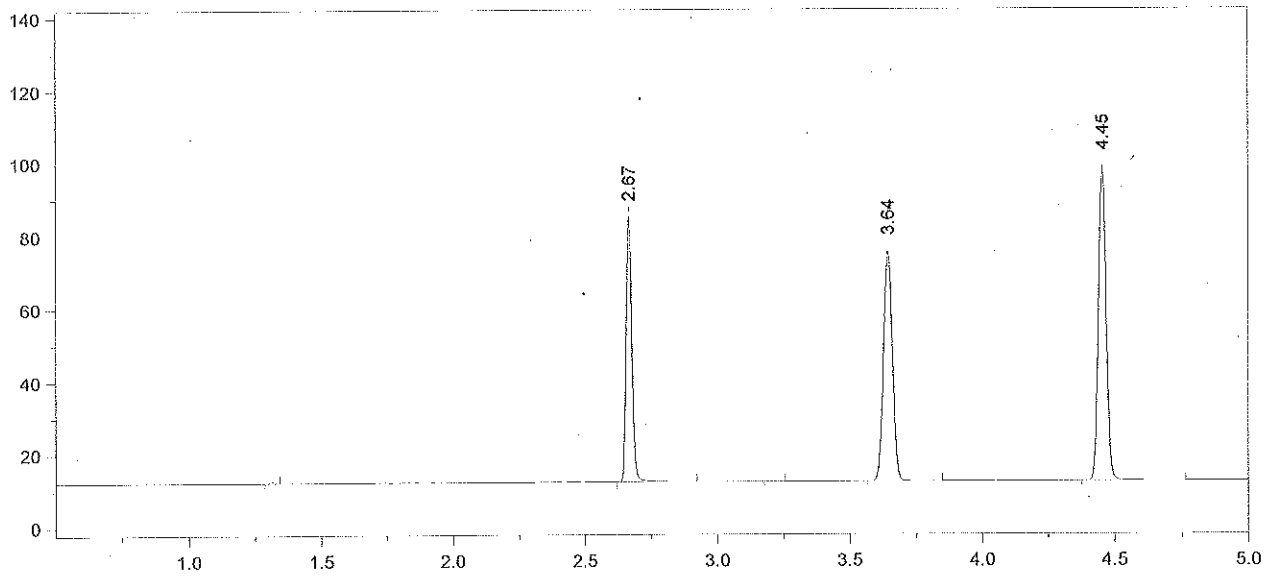
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	114428	0.1208	0.0986
4	3.64	t-Butanol	147568	0.9685	0.7905
5	4.45	n-Propanol	187422	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/14/2012
Today's Time = 5:38:41 PM
Bound File Name = VFL11142012.0028.RAW
Sample Name = 0.1 ALB
Date Taken = 11/14/2012 5:38:30 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11142012.CAL
Calibration Version = 7

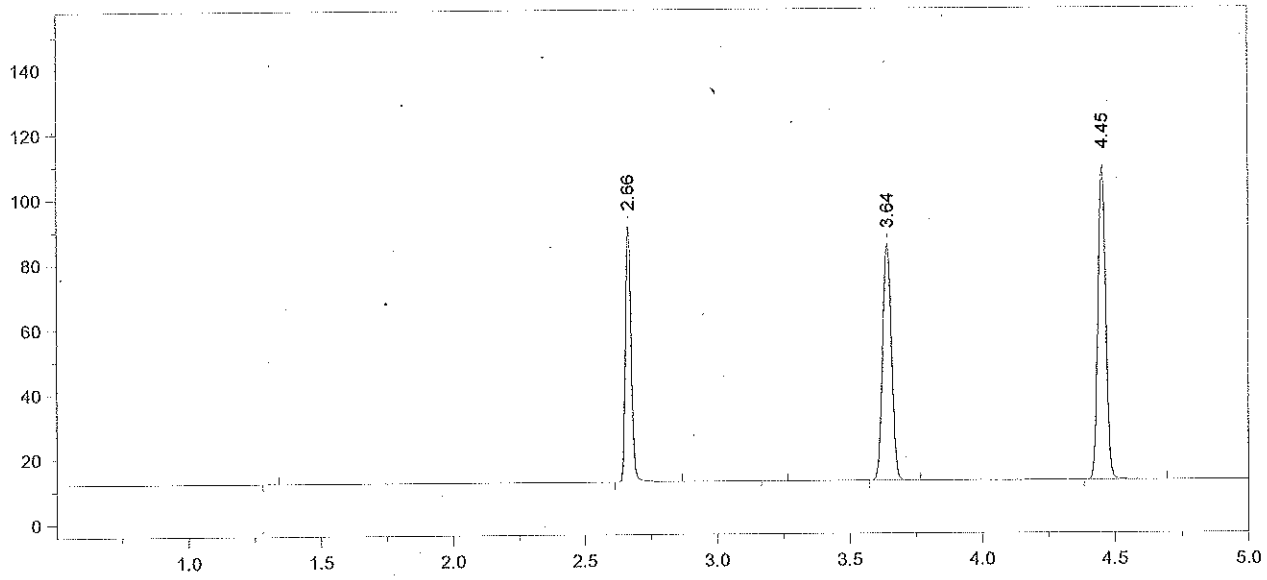
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	116921	0.1175	0.0959
4	3.64	t-Butanol	162968	1.0184	0.8312
5	4.45	n-Propanol	196855	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/14/2012
Today's Time = 5:52:53 PM
Bound File Name = VFL11142012.0029.RAW
Sample Name = 0.1 ALB
Date Taken = 11/14/2012 5:52:41 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11142012.CAL
Calibration Version = 7

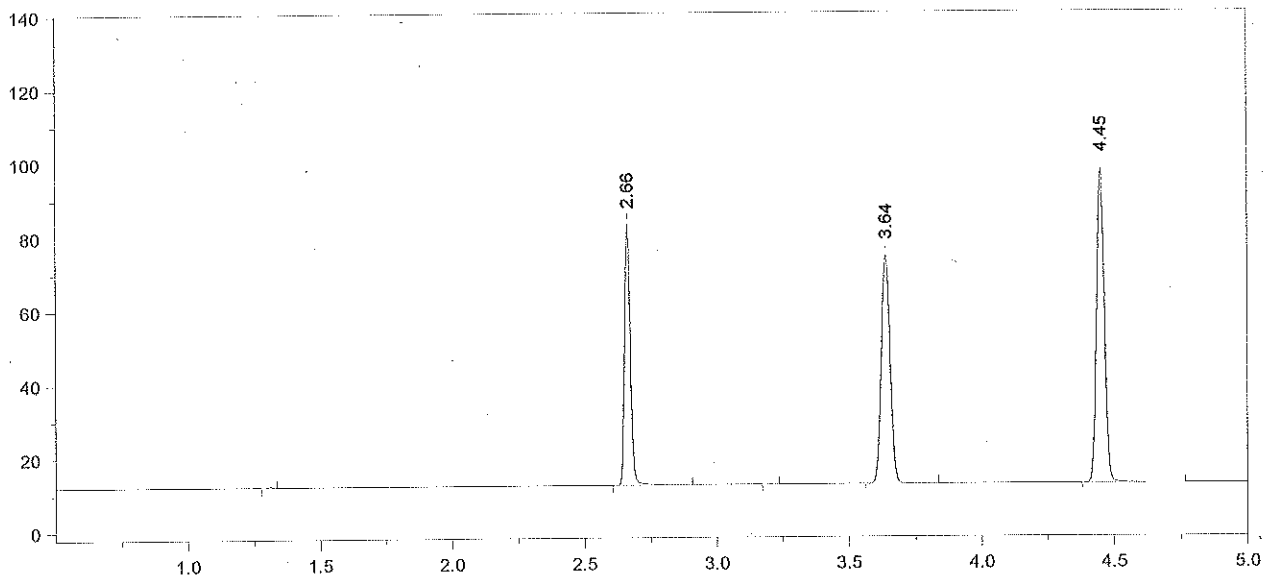
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	112145	0.1210	0.0988
4	3.64	t-Butanol	145471	0.9762	0.7968
5	4.45	n-Propanol	183313	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/14/2012
Today's Time = 6:08:28 PM
Bound File Name = VFL11142012.0030.RAW
Sample Name = 0.1 ALB
Date Taken = 11/14/2012 6:08:17 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11142012.CAL
Calibration Version = 7

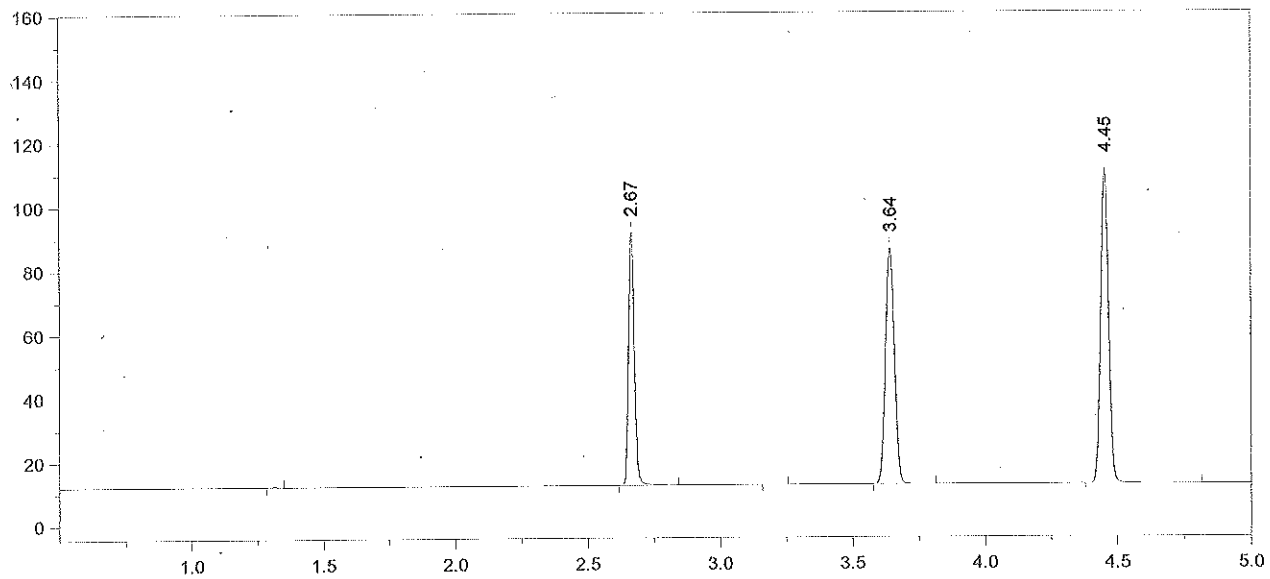
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	121540	0.1170	0.0955
4	3.64	t-Butanol	168323	1.0079	0.8227
5	4.45	n-Propanol	205428	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/14/2012
Today's Time = 6:23:48 PM
Bound File Name = VFL11142012.0031.RAW
Sample Name = 0.1 ALB
Date Taken = 11/14/2012 6:23:40 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11142012.CAL
Calibration Version = 7

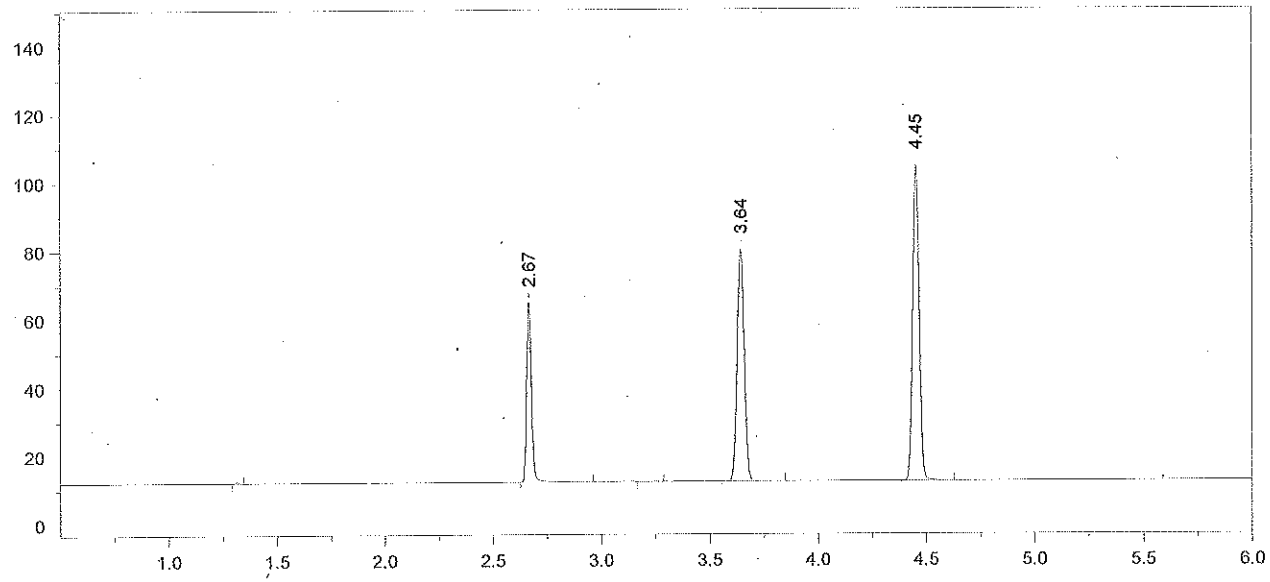
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	109041	0.1200	0.0979
4	3.64	t-Butanol	143378	0.9808	0.8005
5	4.45	n-Propanol	179822	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/14/2012
Today's Time = 6:38:17 PM
Bound File Name = VFL11142012.0032.RAW
Sample Name = 0.1 ALB
Date Taken = 11/14/2012 6:38:06 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11142012.CAL
Calibration Version = 7

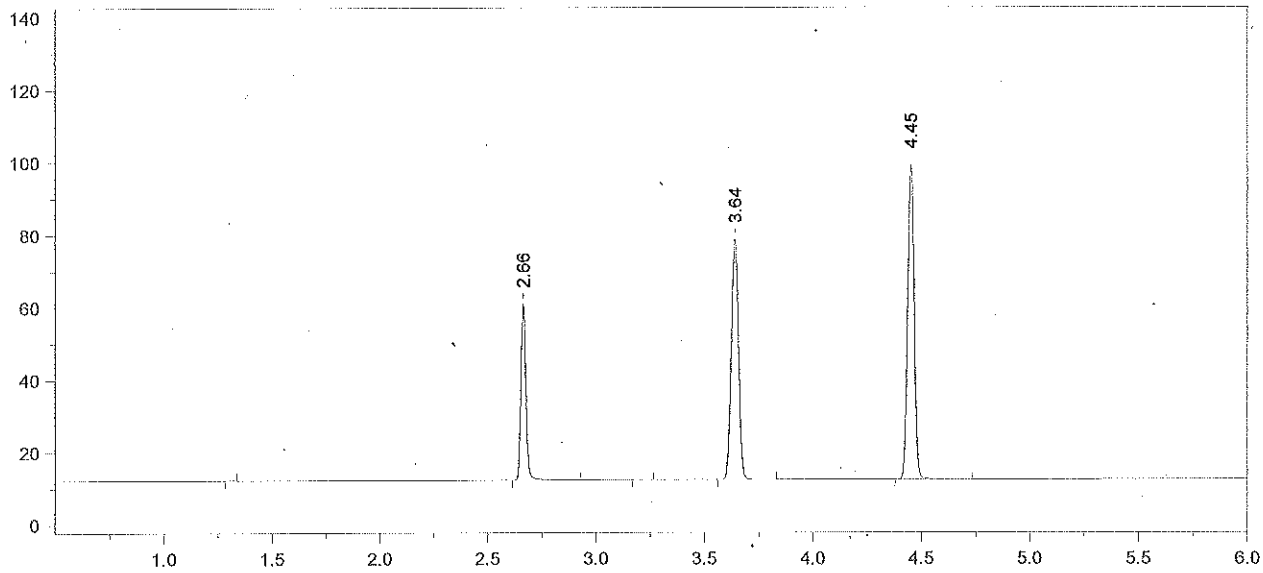
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	122038	0.1160	0.0947
4	3.64	t-Butanol	170572	1.0082	0.8229
5	4.45	n-Propanol	208128	1.0000	0.8162



Format File Name = AlcoholVFL.FMT

Today's Date = 11/14/2012
Today's Time = 6:53:32 PM
Bound File Name = VFL11142012.0033.RAW
Sample Name = CCS
Date Taken = 11/14/2012 6:53:24 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11142012.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	81149	0.0825
4	3.64	t-Butanol	156506	0.9890
5	4.45	n-Propanol	194667	1.0000

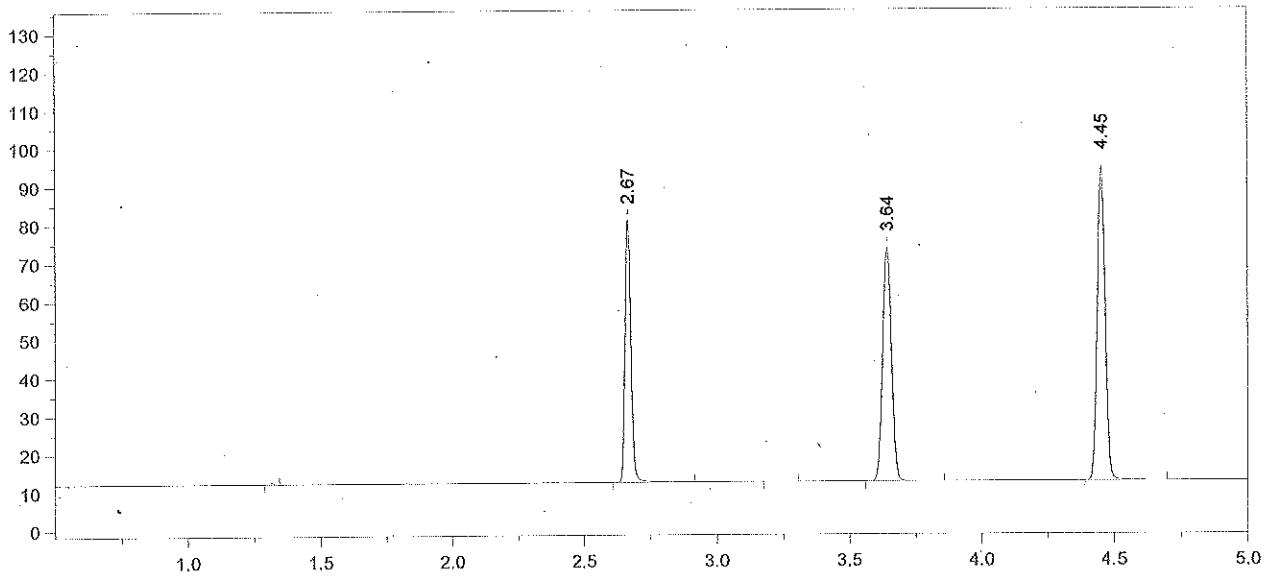


Format File Name = AlcoholVFL.FMT

Today's Date = 11/14/2012
Today's Time = 7:10:12 PM
Bound File Name = VFL11142012.0034.RAW
Sample Name = CCS
Date Taken = 11/14/2012 7:10:03 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11142012.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	75462	0.0811
4	3.64	t-Butanol	153677	1.0274
5	4.45	n-Propanol	184001	1.0000

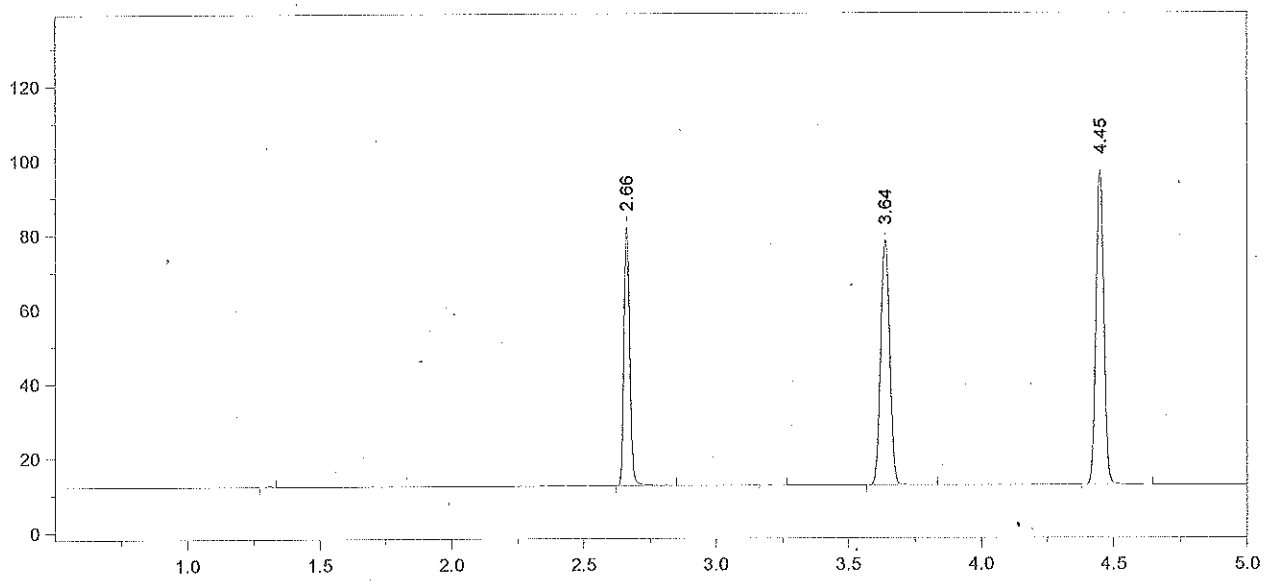
Avg #33 + #34 = 0.082 ✓
RJM 11/15/12



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/14/2012
Today's Time = 7:23:52 PM
Bound File Name = VFL11142012.0035.RAW
Sample Name = 0.1 RLM
Date Taken = 11/14/2012 7:23:41 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11142012.CAL
Calibration Version = 7

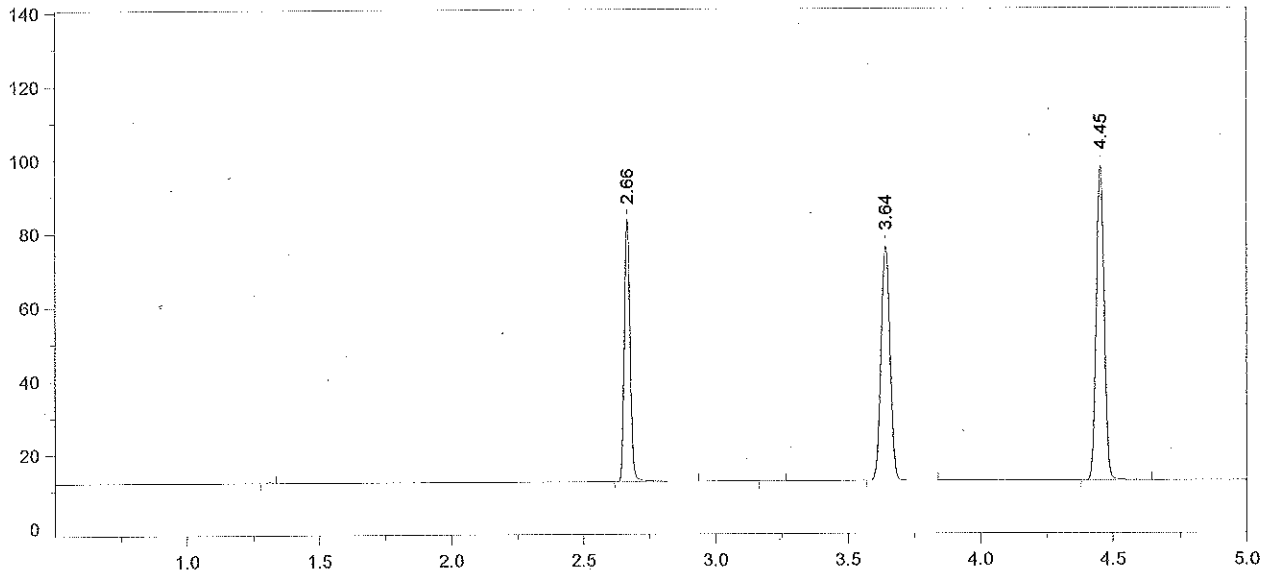
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	106874	0.1212	0.0989
4	3.64	t-Butanol	141407	0.9970	0.8138
5	4.45	n-Propanol	174469	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/14/2012 Today's Time = 7:41:36 PM
Bound File Name = VFL11142012.0036.RAW
Sample Name = 0.1 RLM
Date Taken = 11/14/2012 7:41:30 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11142012.CAL Calibration Version = 7

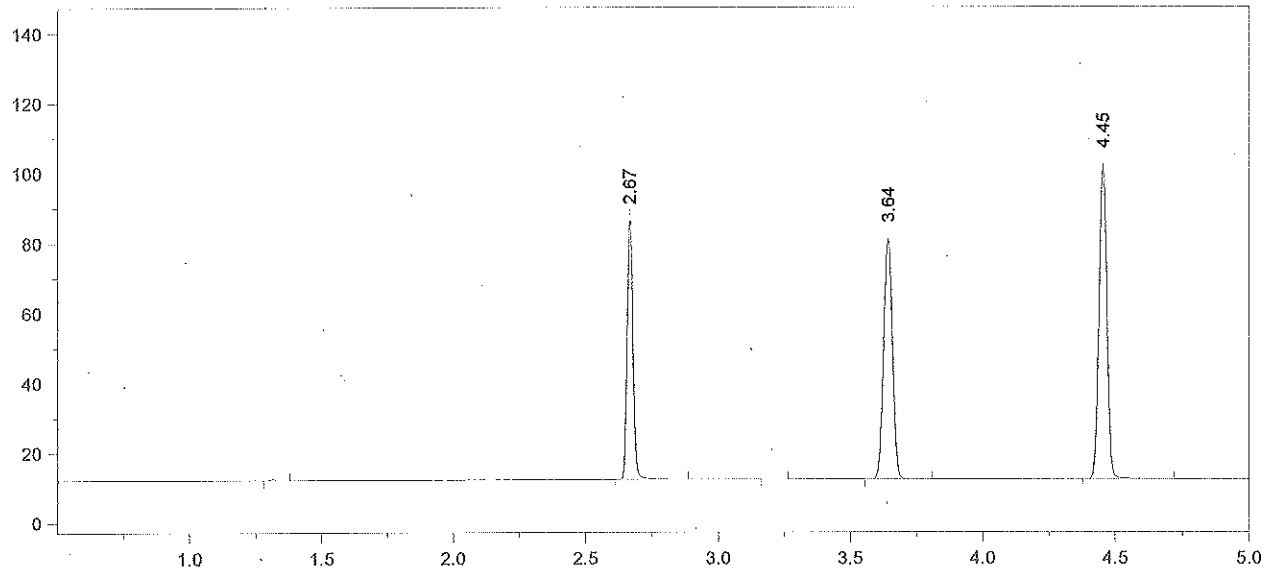
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	107646	0.1179	0.0962
4	3.64	t-Butanol	152369	1.0374	0.8467
5	4.45	n-Propanol	180681	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/14/2012
Today's Time = 7:55:21 PM
Bound File Name = VFL11142012.0037.RAW
Sample Name = 0.1 RLM
Date Taken = 11/14/2012 7:55:12 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11142012.CAL
Calibration Version = 7

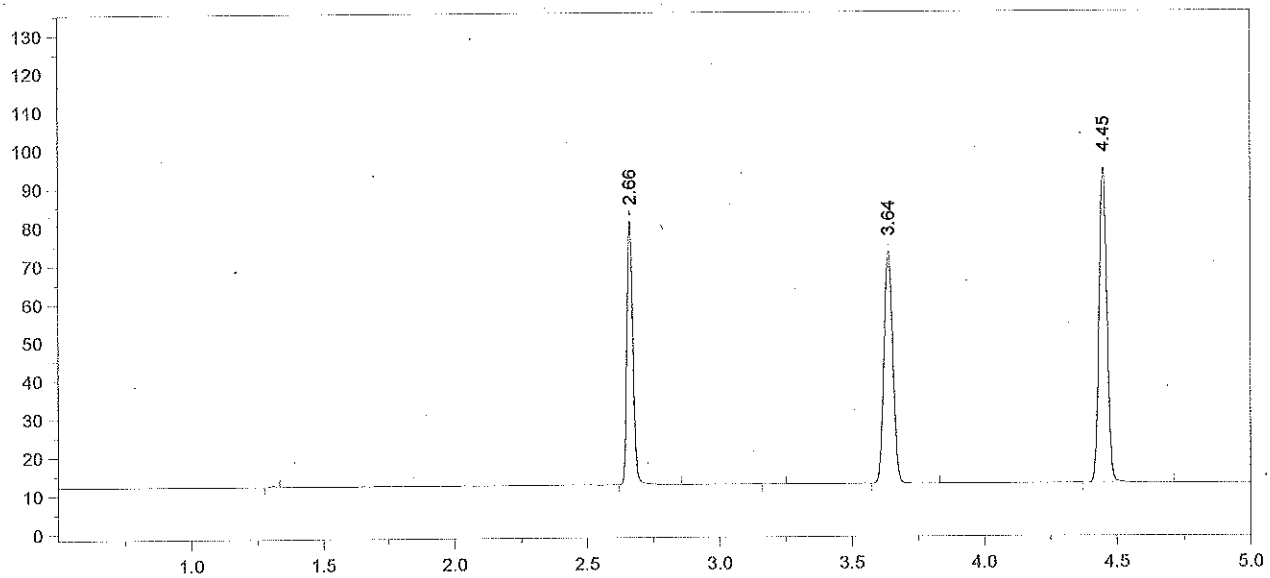
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	110653	0.1206	0.0984
4	3.64	t-Butanol	147808	1.0016	0.8175
5	4.45	n-Propanol	181534	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/14/2012
Today's Time = 8:13:09 PM
Bound File Name = VFL11142012.0038.RAW
Sample Name = 0.1 RLM
Date Taken = 11/14/2012 8:12:56 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11142012.CAL
Calibration Version = 7

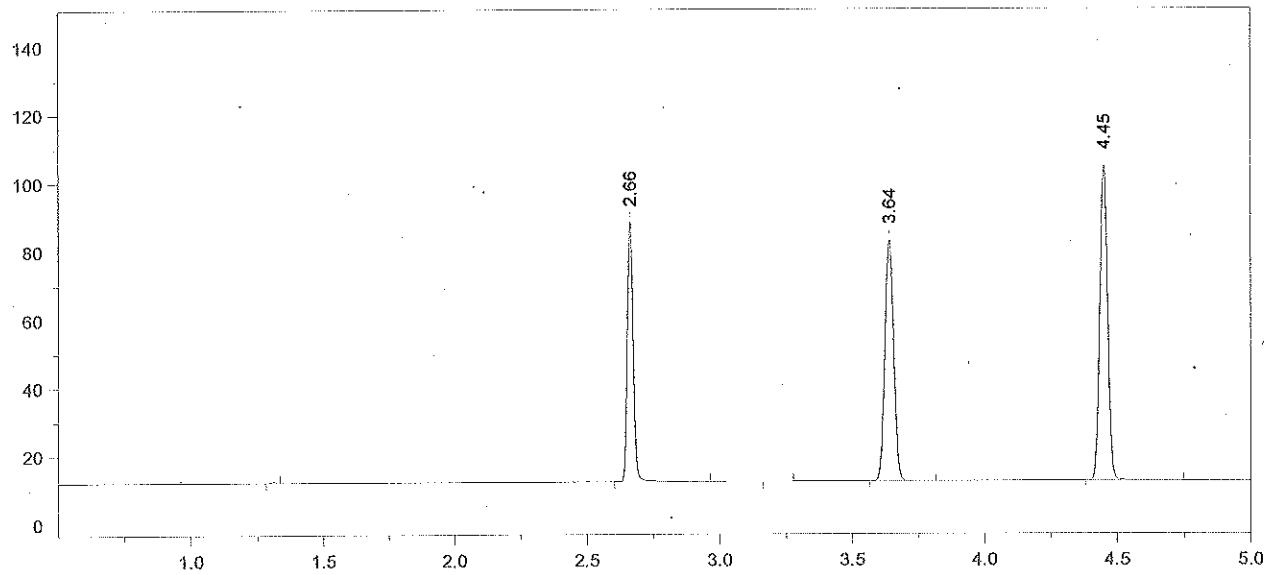
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	113876	0.1185	0.0967
4	3.64	t-Butanol	158930	1.0284	0.8394
5	4.45	n-Propanol	190100	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/14/2012
Today's Time = 8:26:44 PM
Bound File Name = VFL11142012.0039.RAW
Sample Name = 0.1 RLM
Date Taken = 11/14/2012 8:26:35 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11142012.CAL
Calibration Version = 7

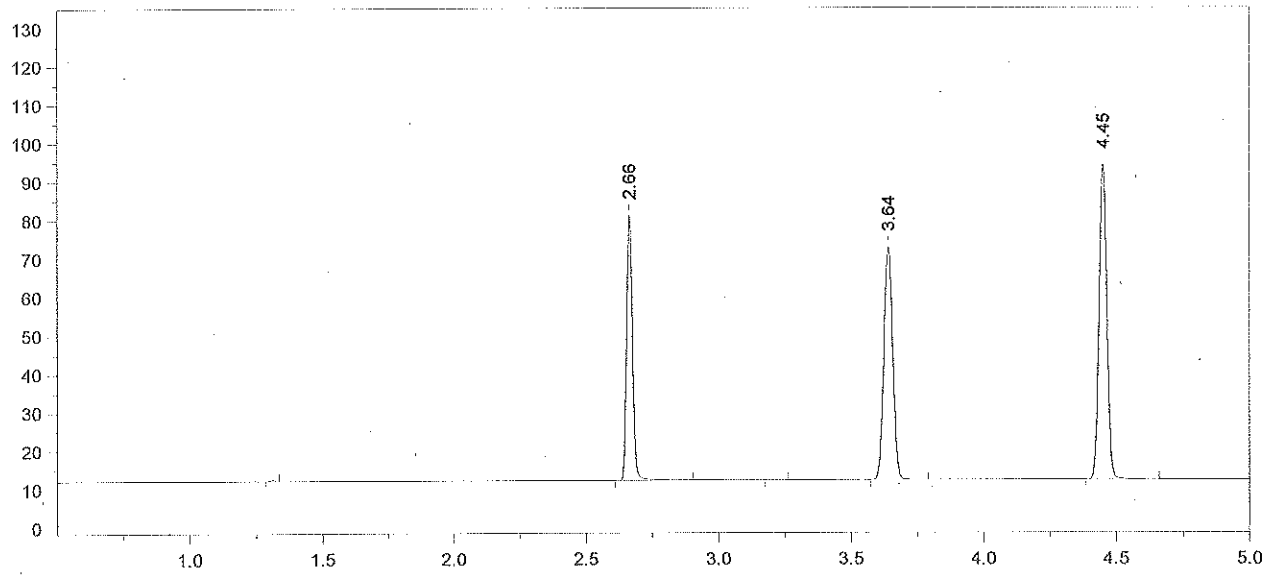
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	106688	0.1210	0.0988
4	3.64	t-Butanol	140180	0.9888	0.8071
5	4.45	n-Propanol	174391	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/14/2012
Today's Time = 8:44:31 PM
Bound File Name = VFL11142012.0040.RAW
Sample Name = 0.1 RLM
Date Taken = 11/14/2012 8:44:23 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11142012.CAL
Calibration Version = 7

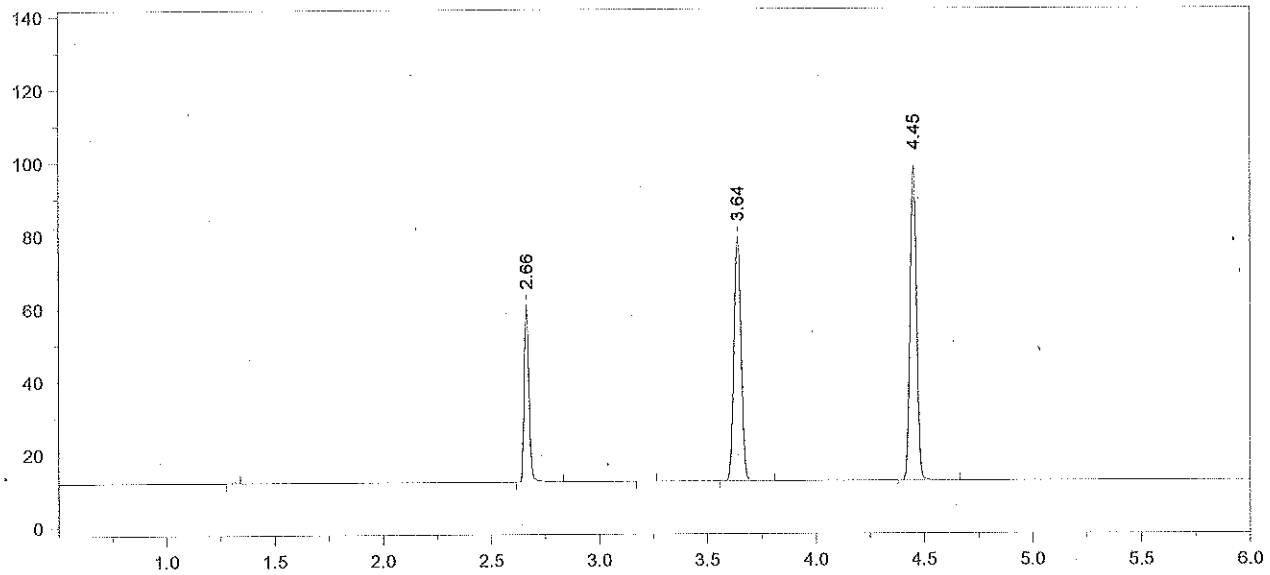
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	117189	0.1187	0.0969
4	3.64	t-Butanol	162839	1.0258	0.8373
5	4.45	n-Propanol	195276	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 11/14/2012 Today's Time = 8:58:15 PM
Bound File Name = VFL11142012.0041.RAW
Sample Name = 0.1 RLM
Date Taken = 11/14/2012 8:58:07 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL11142012.CAL Calibration Version = 7

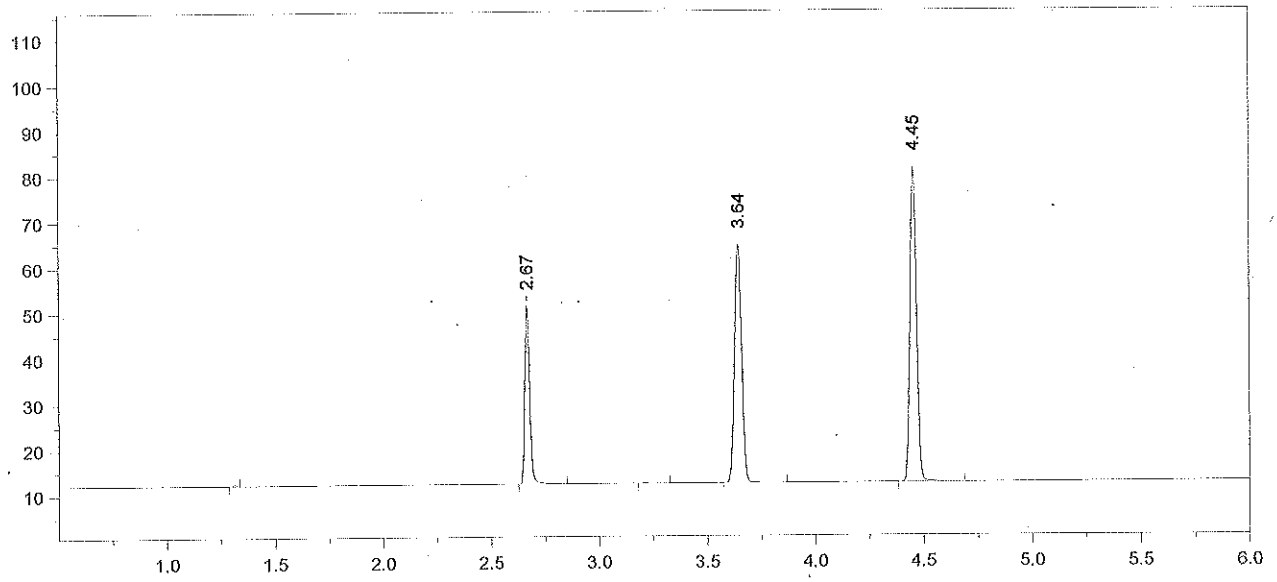
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	106507	0.1214	0.0991
4	3.64	t-Butanol	139771	0.9906	0.8085
5	4.45	n-Propanol	173574	1.0000	0.8162



Format File Name = AlcoholVFL.FMT

Today's Date = 11/14/2012
Today's Time = 9:16:00 PM
Bound File Name = VFL11142012.0042.RAW
Sample Name = CCS
Date Taken = 11/14/2012 9:15:48 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11142012.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	74558	0.0806
4	3.64	t-Butanol	154274	1.0372
5	4.45	n-Propanol	182964	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 11/14/2012
Today's Time = 9:29:07 PM
Bound File Name = VFL11142012.0043.RAW
Sample Name = CCS
Date Taken = 11/14/2012 9:29:01 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL11142012.CAL
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	60558	0.0817
4	3.64	t-Butanol	120911	1.0143
5	4.45	n-Propanol	146632	1.0000

Avg #42 + #43 = 0.081 ✓
RJM 11/15/12