VERMONT FORENSIC LABORATORY

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Certificate of Analysis of DataMaster External Standard Solution

On 12/18/2012, an ethanol solution was prepared by Rebecca Mead for use as a DataMaster External Standard solution. The solution was prepared per standard laboratory practice and assigned the lot number 12-90-100 and an expiration date of 12/18/2013.

On 12/19/2012 and 12/20/2012, the solution was analyzed against calibration SIM12192012 and VFL12202012. 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 0.099 g/210L simulated breath ethanol concentration and approved for use as a DataMaster External Standard solution.

Dated at Waterbury, Vermont on Friday, December 21, 2012.

Rebecca Mead

Rebecca Mead

0.1 External Standard Solution 20L
Lot # 12-90-100
Prepared 12/18/2012 by RLM
Exp 12/18/2013

RLM CAL SIM12192012
RLM/ALB Vials
Analyzed on 12/19/2012

0.0982	rlm
0.1011	
0.0980	
0.1001	
0.0988	
0.1009	
0.0982	
0.1010	alb
0.0973	
0.1017	
0.0983	
0.1012	
0.0989	
0.0994	

Ave. = 0.0995
Std Dev. = 0.0015
Range = 0.0973 - 0.1017

RLM CAL VFL12202012
RLM/ALB Vials
Analyzed on 12/20/2012

0.0960	rlm
0.0981	
0.0960	
0.0973	
0.0955	
0.0984	
0.0967	
0.1025	alb
0.0996	
0.1015	
0.1004	
0.1013	
0.0969	
0.1022	

Ave. = 0.0987
Std Dev. = 0.0025
Range = 0.0955 - 0.1025

Total Values from Both Runs

Average	Mean
0.0982	0.0955
0.1011	0.0960
0.0980	
0.1001	0.0967
0.0988	0.0969
0.1009	0.0973
0.0982	
0.1010	0.0980
0.0973	0.0981
0.1017	0.0982
0.0983	
0.1012	0.0983
0.0989	0.0984
0.0994	0.0988
0.0960	0.0989
0.0981	0.0994
0.0960	0.0996
0.0973	0.1001
0.0955	0.1004
0.0984	0.1009
0.0967	0.1010
0.1025	0.1011
0.0996	0.1012
0.1015	0.1013
0.1004	0.1015
0.1013	0.1017
0.0969	0.1022
0.1022	0.1025

Ave. =	0.0991
Avg Std Dev. =	0.0020
Mean =	0.0994
Mean Std Dev. =	0.0020
Range =	0.0955 - 0.1025
RPD =	7.06%

12/24/2012

Headspace Alcohol Analysis Standards Coversheet

Analyst: RLM Date: 12/19/12

12/24/2012

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	
Acceptance Range (± 10%)	0.007	0.026	0.089	0.220	0.443	
	0.005	0.022	0.073	0.180	0.363	

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		0.081	(Y) N	
6	Standard D		0.198	(Y) N	
7	Standard E		0.404	(Y) N	
8	Aqueous QC		0.0789	(Y) N	Avg = 0.079 ✓ (99% recovery)
9	Aqueous QC		0.0790	(Y) N	

File Name = C:\Alcohol Data\SIM12192012\SIM12192012.SEQ
Version = 1
File Date = 12/19/2012 9:52:17 AM

Entry #	Raw File Name	Method File Name	Sample Name	Sample Wt.	Int. Std. Amount
1	SIM12192012.0001.raw	Blood Alc New VFL.MET	Blank	1.00	1.00
2	SIM12192012.0002.raw	Blood Alc New VFL.MET	TMX	1.00	1.00
3	SIM12192012.0003.raw	Blood Alc New VFL.MET	STD A	1.00	1.00
4	SIM12192012.0004.raw	Blood Alc New VFL.MET	STD B	1.00	1.00
5	SIM12192012.0005.raw	Blood Alc New VFL.MET	STD C	1.00	1.00
6	SIM12192012.0006.raw	Blood Alc New VFL.MET	STD D	1.00	1.00
7	SIM12192012.0007.raw	Blood Alc New VFL.MET	STD E	1.00	1.00
8	SIM12192012.0008.raw	Blood Alc New VFL.MET	AQ QC	1.00	1.00
9	SIM12192012.0009.raw	Blood Alc New VFL.MET	AQ QC	1.00	1.00
10	SIM12192012.0010.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
11	SIM12192012.0011.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
12	SIM12192012.0012.raw	simsoln.met	0.10 RLM	1.00	1.00
13	SIM12192012.0013.raw	simsoln.met	0.10 RLM	1.00	1.00
14	SIM12192012.0014.raw	simsoln.met	0.10 RLM	1.00	1.00
15	SIM12192012.0015.raw	simsoln.met	0.10 RLM	1.00	1.00
16	SIM12192012.0016.raw	simsoln.met	0.10 RLM	1.00	1.00
17	SIM12192012.0017.raw	simsoln.met	0.10 RLM	1.00	1.00
18	SIM12192012.0018.raw	simsoln.met	0.10 RLM	1.00	1.00
19	SIM12192012.0019.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
20	SIM12192012.0020.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
21	SIM12192012.0021.raw	simsoln.met	0.10 ALB	1.00	1.00
22	SIM12192012.0022.raw	simsoln.met	0.10 ALB	1.00	1.00
23	SIM12192012.0023.raw	simsoln.met	0.10 ALB	1.00	1.00
24	SIM12192012.0024.raw	simsoln.met	0.10 ALB	1.00	1.00
25	SIM12192012.0025.raw	simsoln.met	0.10 ALB	1.00	1.00
26	SIM12192012.0026.raw	simsoln.met	0.10 ALB	1.00	1.00
27	SIM12192012.0027.raw	simsoln.met	0.10 ALB	1.00	1.00
28	SIM12192012.0028.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
29	SIM12192012.0029.raw	Blood Alc New VFL.MET	CCS	1.00	1.00

File Name: C:\Methods\SIM12192012.CAL
Version: 1

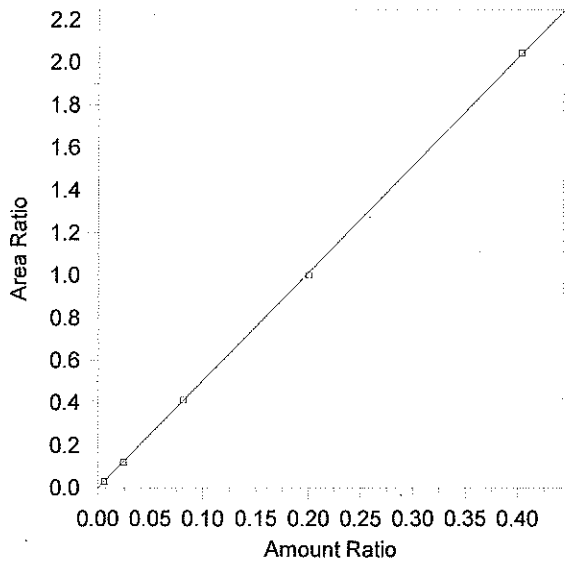
Creator:
Description:
Reason for change:

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

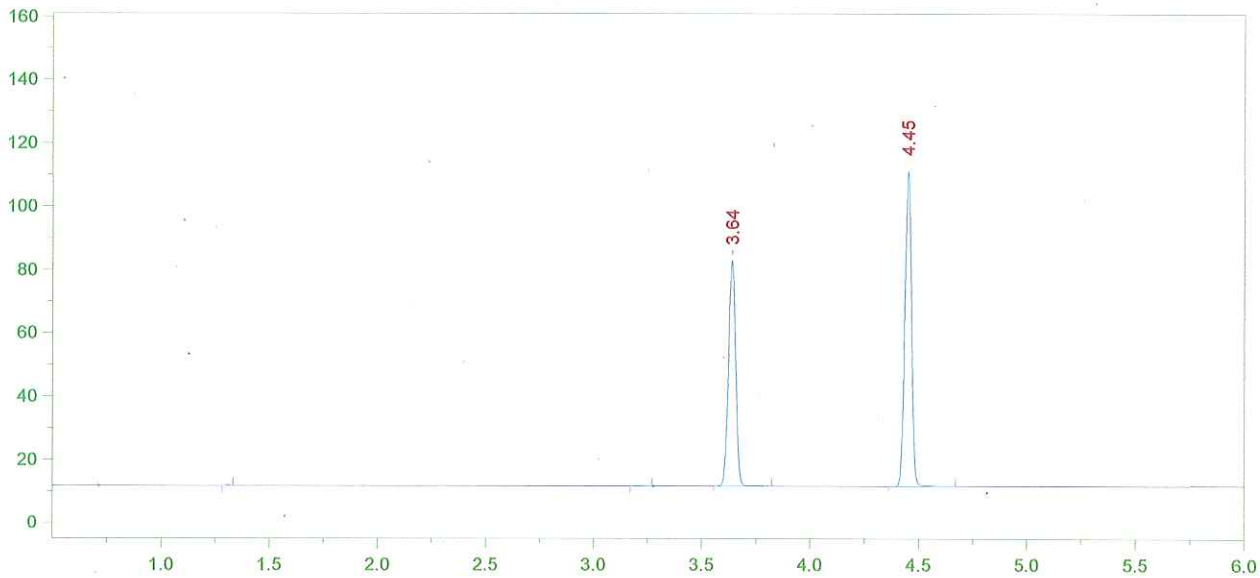
High alarm limit: 0
Low alarm limit: 0
Component constant: 0

Single peak quantification by area

$Y = 5.058461 X + 0$

Linear fit with equal weighting, forced to origin
Coefficient of determination: 0.9999264
Average error: 0.810%
Average CF: 5.028789
RSD: 0.843%

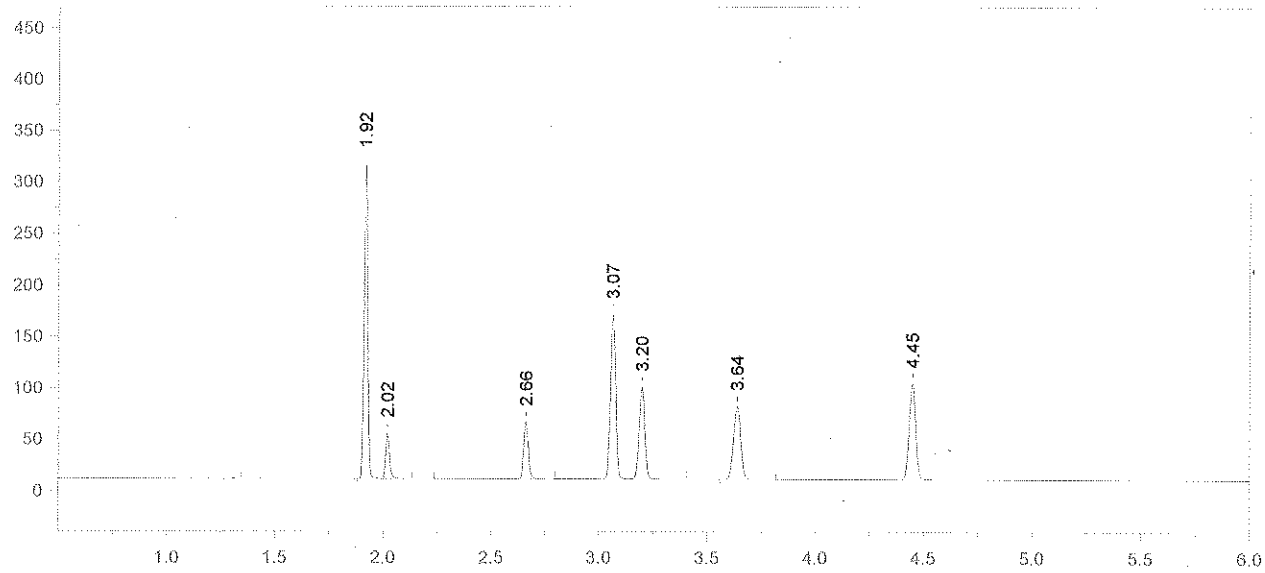
Level	Amount	Response	Cal Factor	Error, %	Amount Ratio	Response Ratio	Source	Date and time
1	(0.087)	(85146)	--	--	0.087	85146	Manual	8/8/2012 7:53:22 AM
2	0.006	5682.732	947122	-0.734	0.006	3.012791E-02	C:\Alcohol Data\SIM12192012\SIM12192012.0003.BND	12/20/2012 8:12:55 AM
3	0.0242	23219.94	959501.6	-1.508	0.0242	0.1205687	C:\Alcohol Data\SIM12192012\SIM12192012.0004.BND	12/20/2012 8:13:03 AM
4	0.0813	80670.55	992257.7	0.255	0.0813	0.4123005	C:\Alcohol Data\SIM12192012\SIM12192012.0005.BND	12/20/2012 8:13:12 AM
5	0.2004	190458.2	950390.3	-1.250	0.2004	1.001049	C:\Alcohol Data\SIM12192012\SIM12192012.0006.BND	12/20/2012 8:13:20 AM
6	0.403	390484.4	968943.9	0.304	0.403	2.044761	C:\Alcohol Data\SIM12192012\SIM12192012.0007.BND	12/20/2012 8:13:28 AM



Format File Name = AlcoholVFL.FMT

Today's Date = 12/20/2012
Today's Time = 8:21:22 AM
Bound File Name = SIM12192012.0001.RAW
Sample Name = Blank
Date Taken = 12/19/2012 10:30:53 AM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM12192012.CAL
Calibration Version = 1

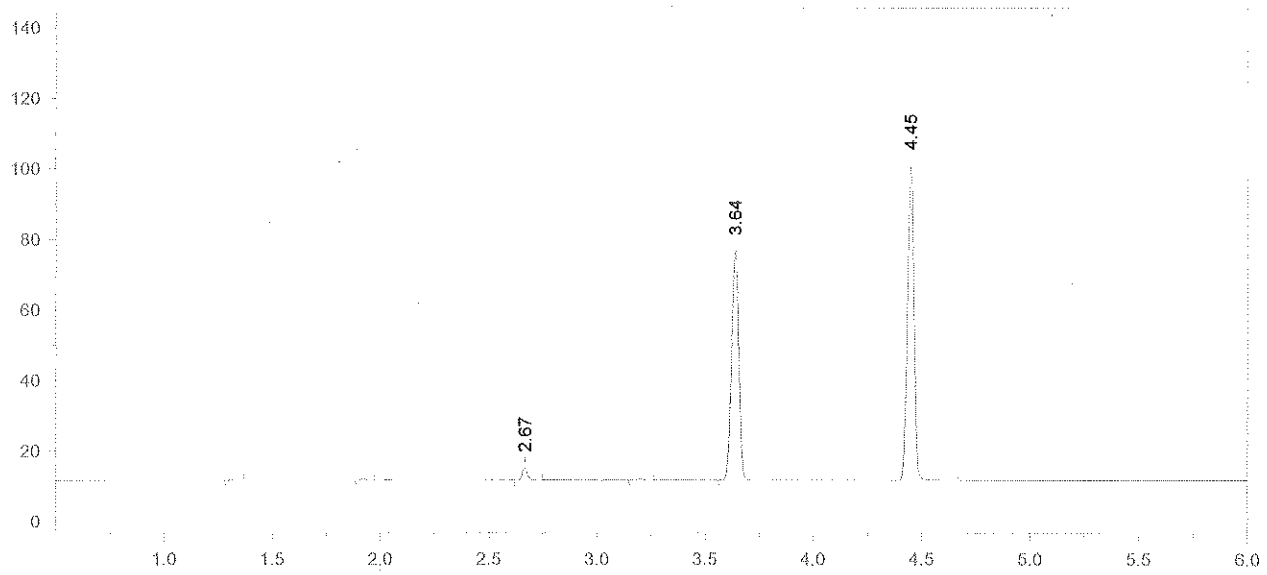
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	3.64	t-Butanol	163859	0.9644
4	4.45	n-Propanol	209648	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 12/20/2012
Today's Time = 8:21:35 AM
Bound File Name = SIM12192012.0002.RAW
Sample Name = TMX
Date Taken = 12/19/2012 10:47:11 AM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM12192012.CAL
Calibration Version = 1

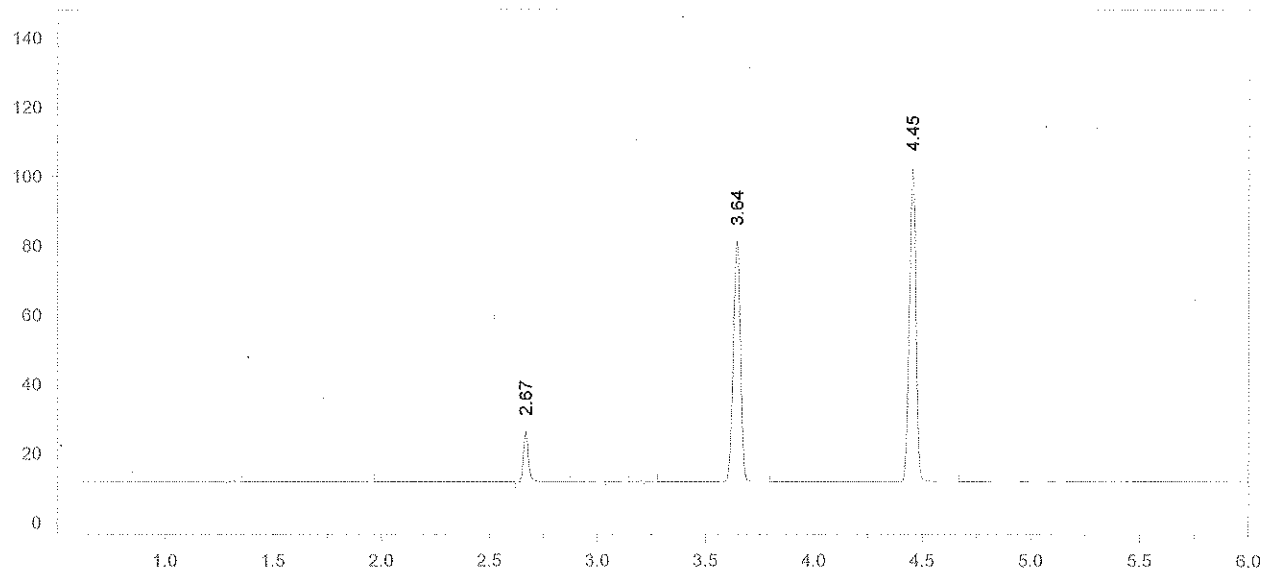
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	1.92	Acetaldehyde	348650	0.0720
3	2.02	Methanol	54365	0.1210
4	2.66	Ethanol	85818	0.0856
5	3.07	Acetone	271971	0.0690
6	3.20	Isopropanol	167399	0.0830
7	3.64	t-Butanol	163992	1.0208
8	4.45	n-Propanol	198232	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 12/20/2012
Today's Time = 8:21:44 AM
Bound File Name = SIM12192012.0003.RAW
Sample Name = STD A
Date Taken = 12/19/2012 11:02:32 AM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM12192012.CAL
Calibration Version = 1

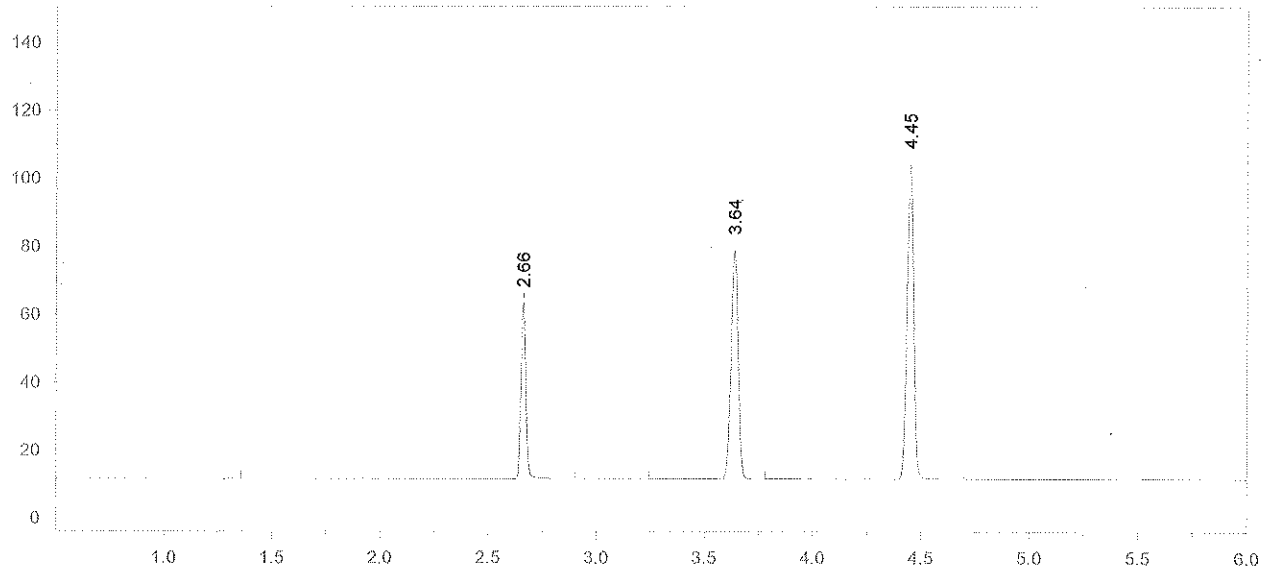
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.67	Ethanol	05683	0.0060
6	3.64	t-Butanol	150133	0.9822
7	4.45	n-Propanol	188620	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 12/20/2012
Today's Time = 8:21:53 AM
Bound File Name = SIM12192012.0004.RAW
Sample Name = STD B
Date Taken = 12/19/2012 11:18:38 AM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM12192012.CAL
Calibration Version = 1

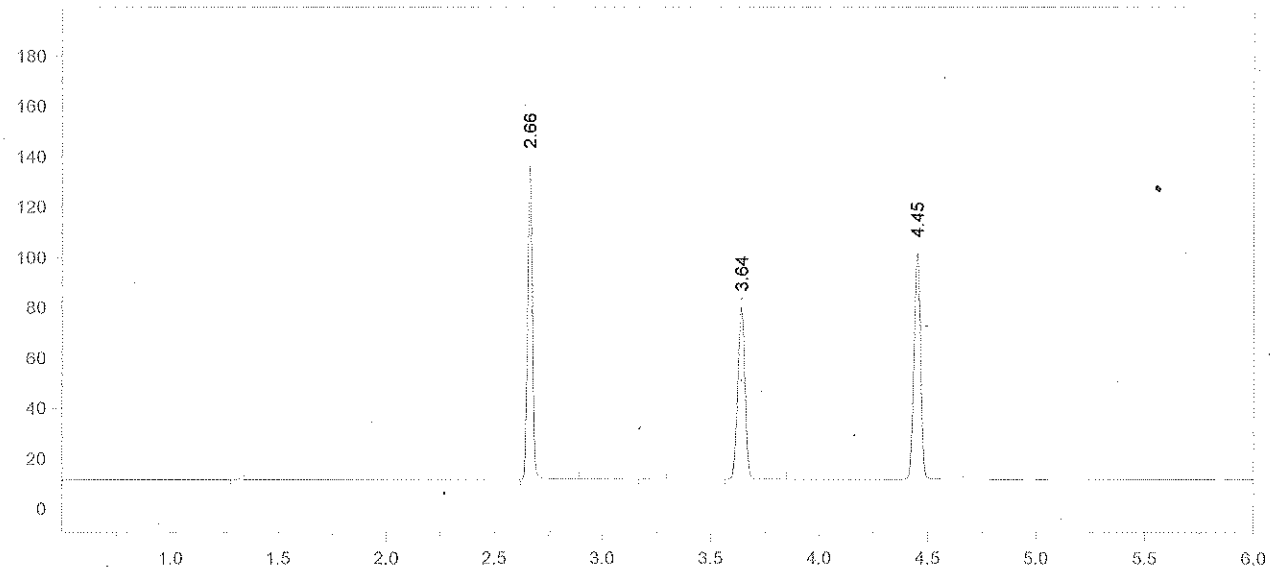
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.67	Ethanol	23220	0.0238
6	3.64	t-Butanol	160408	1.0278
7	4.45	n-Propanol	192587	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 12/20/2012
Today's Time = 8:22:01 AM
Bound File Name = SIM12192012.0005.RAW
Sample Name = STD C
Date Taken = 12/19/2012 11:32:39 AM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM12192012.CAL
Calibration Version = 1

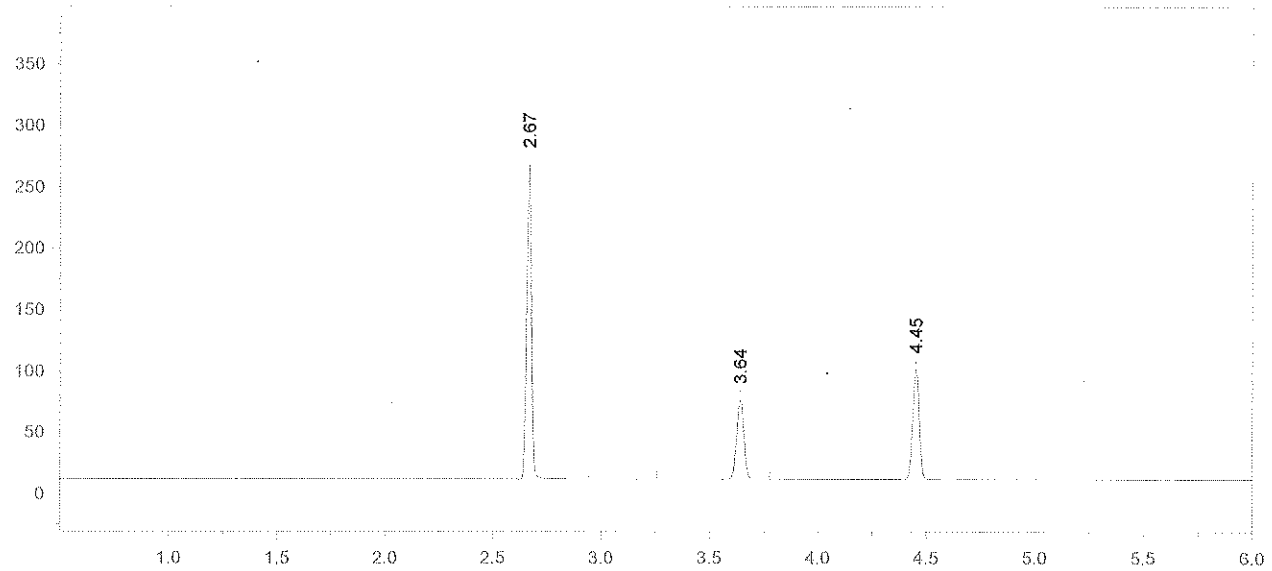
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	80671	0.0815
4	3.64	t-Butanol	154962	0.9773
5	4.45	n-Propanol	195660	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 12/20/2012
Today's Time = 8:22:11 AM
Bound File Name = SIM12192012.0006.RAW
Sample Name = STD D
Date Taken = 12/19/2012 11:48:20 AM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM12192012.CAL
Calibration Version = 1

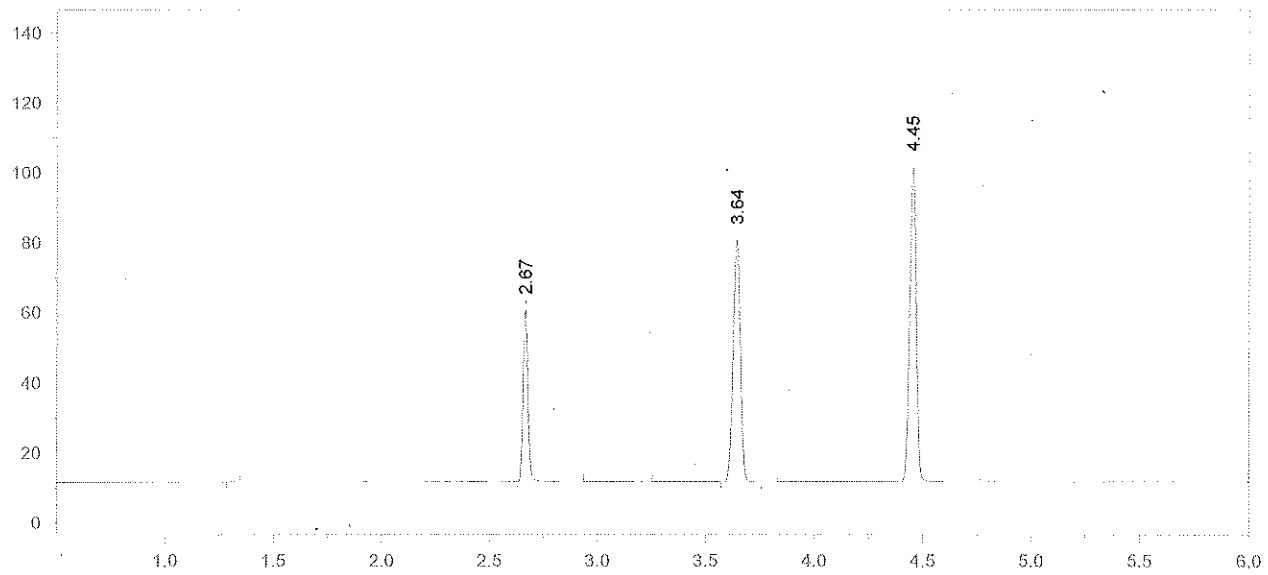
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	190458	0.1979
4	3.64	t-Butanol	157628	1.0223
5	4.45	n-Propanol	190259	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 12/20/2012 Today's Time = 8:22:23 AM
Bound File Name = SIM12192012.0007.RAW
Sample Name = STD E
Date Taken = 12/19/2012 12:03:18 PM VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM12192012.CAL Calibration Version = 1

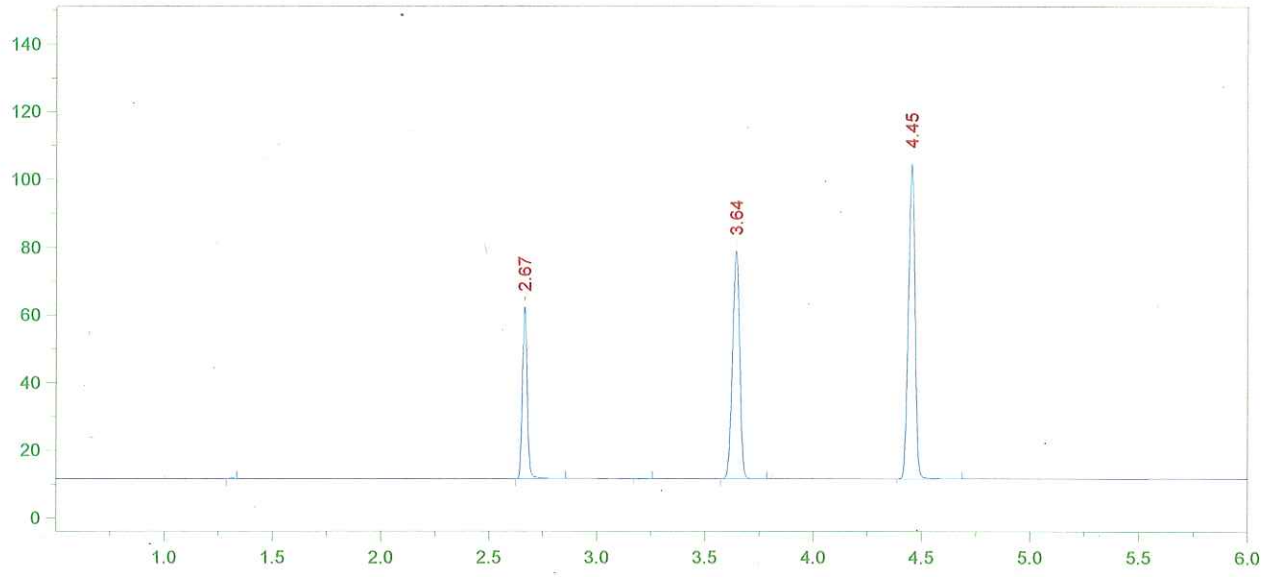
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	390484	0.4042
4	3.64	t-Butanol	150070	0.9697
5	4.45	n-Propanol	190968	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 12/20/2012
Today's Time = 8:22:30 AM
Bound File Name = SIM12192012.0008.RAW
Sample Name = AQ QC
Date Taken = 12/19/2012 12:19:52 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM12192012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	76083	0.0789
4	3.64	t-Butanol	158801	1.0277
5	4.45	n-Propanol	190672	1.0000

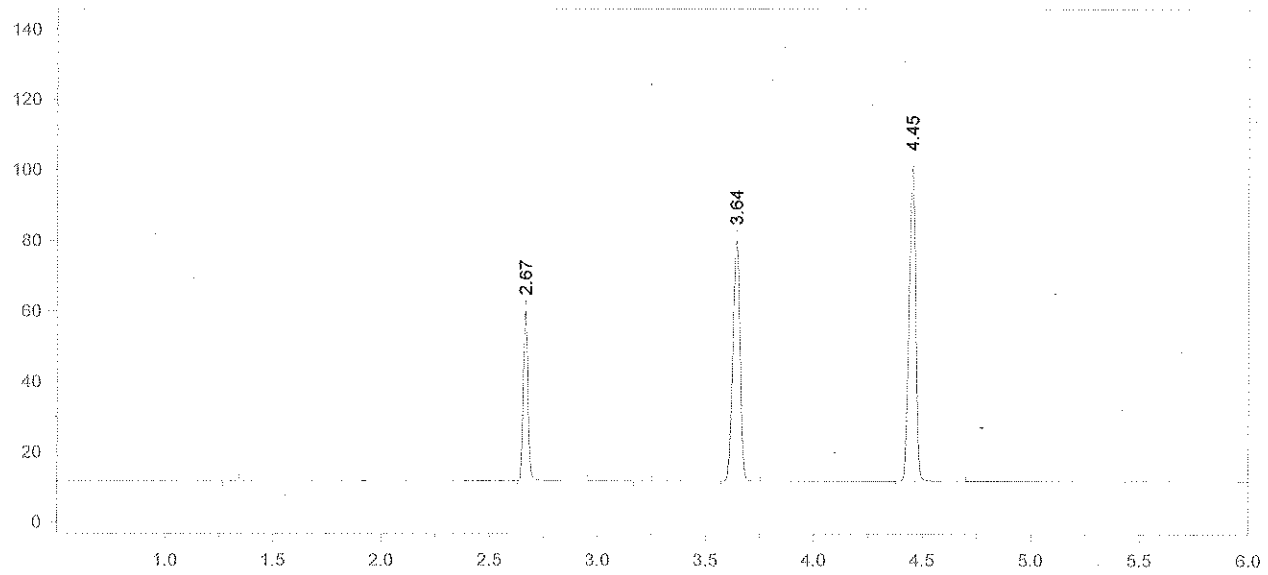


Format File Name = AlcoholVFL.FMT

Today's Date = 12/20/2012
Today's Time = 8:22:39 AM
Bound File Name = SIM12192012.0009.RAW
Sample Name = AQ QC
Date Taken = 12/19/2012 12:33:07 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM12192012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	78537	0.0790
4	3.64	t-Butanol	154935	0.9727
5	4.45	n-Propanol	196547	1.0000

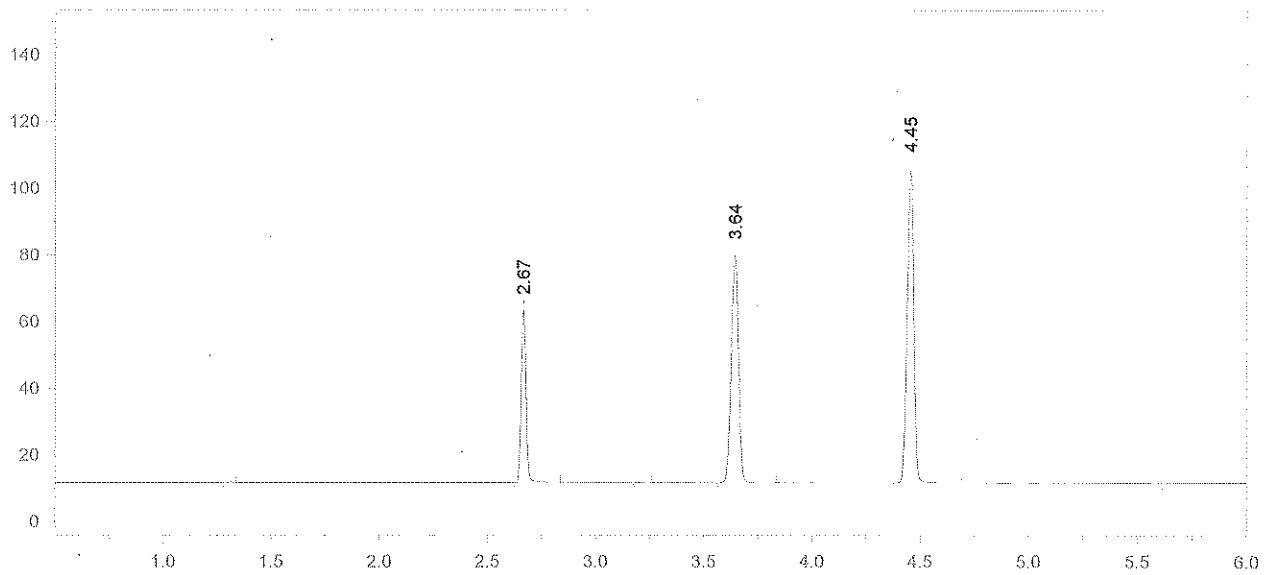
Avg vial #8 + #9 = 0.079
KJM 12/20/12



Format File Name = AlcoholVFL.FMT

Today's Date = 12/20/2012 Today's Time = 8:22:47 AM
Bound File Name = SIM12192012.0010.RAW
Sample Name = CCS
Date Taken = 12/19/2012 12:51:19 PM VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM12192012.CAL Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	75462	0.0787
4	3.64	t-Butanol	157966	1.0280
5	4.45	n-Propanol	189612	1.0000

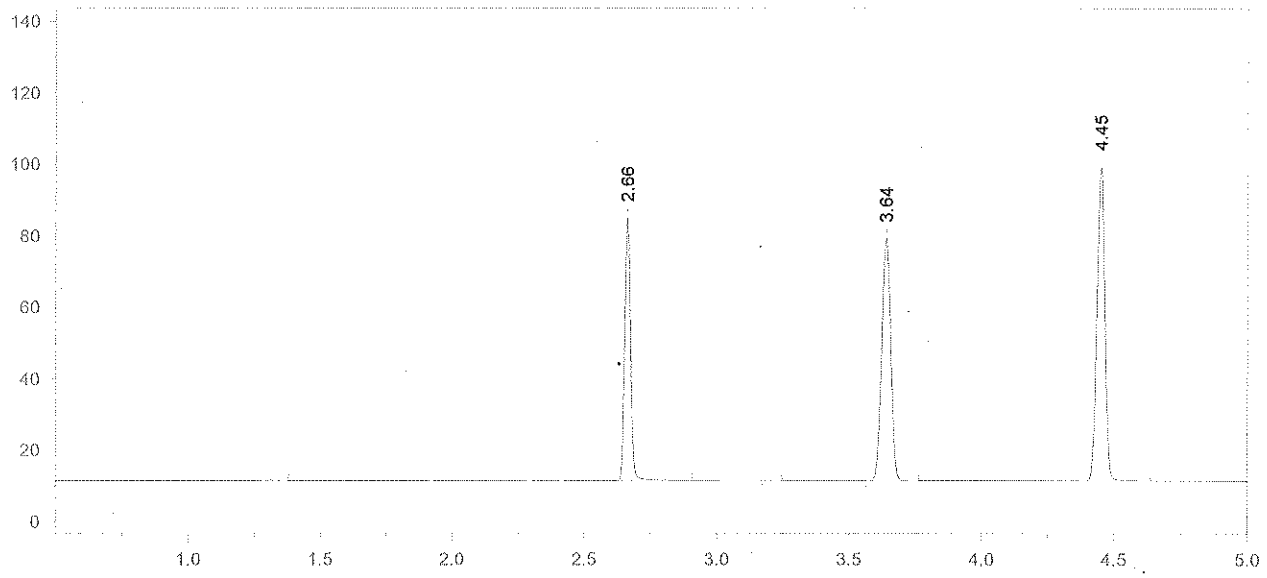


Format File Name = AlcoholVFL.FMT

Today's Date = 12/20/2012
Today's Time = 8:22:55 AM
Bound File Name = SIM12192012.0011.RAW
Sample Name = CCS
Date Taken = 12/19/2012 1:05:06 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM12192012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	80224	0.0793
4	3.64	t-Butanol	157865	0.9736
5	4.45	n-Propanol	200073	1.0000

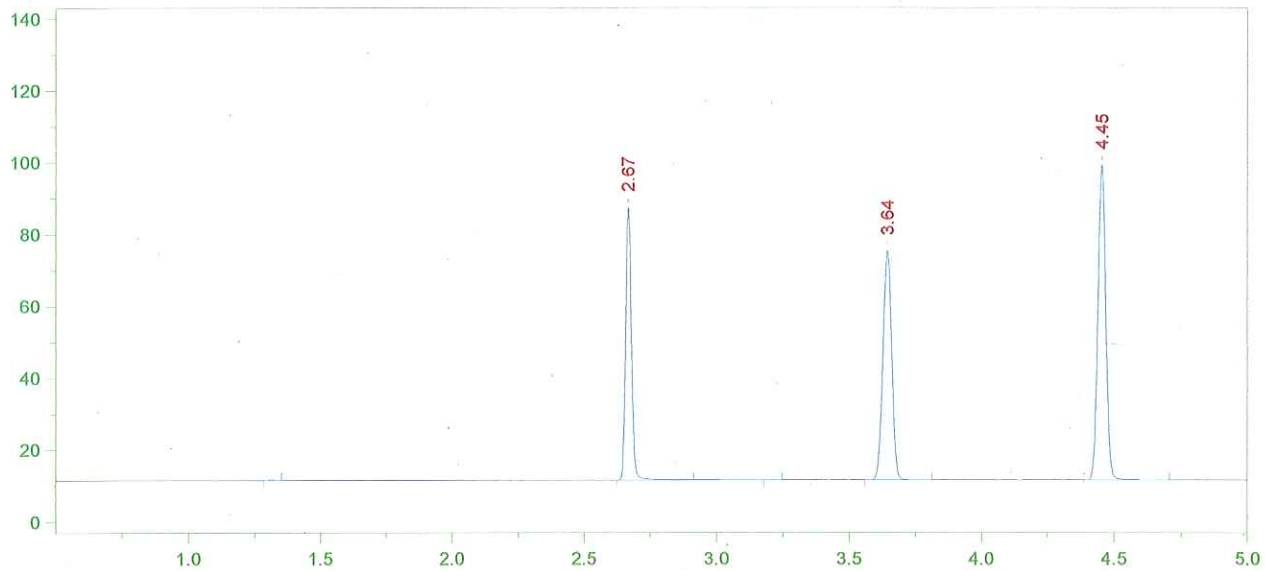
Avg vial #10 + #11 = 0.079
RJM 12/20/12



Format File Name = simsoln-JFH.met.FMT

Today's Date = 12/20/2012 Today's Time = 8:29:16 AM
Bound File Name = SIM12192012.0012.RAW
Sample Name = 0.10 RLM
Date Taken = 12/19/2012 1:22:42 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM12192012.CAL Calibration Version = 1

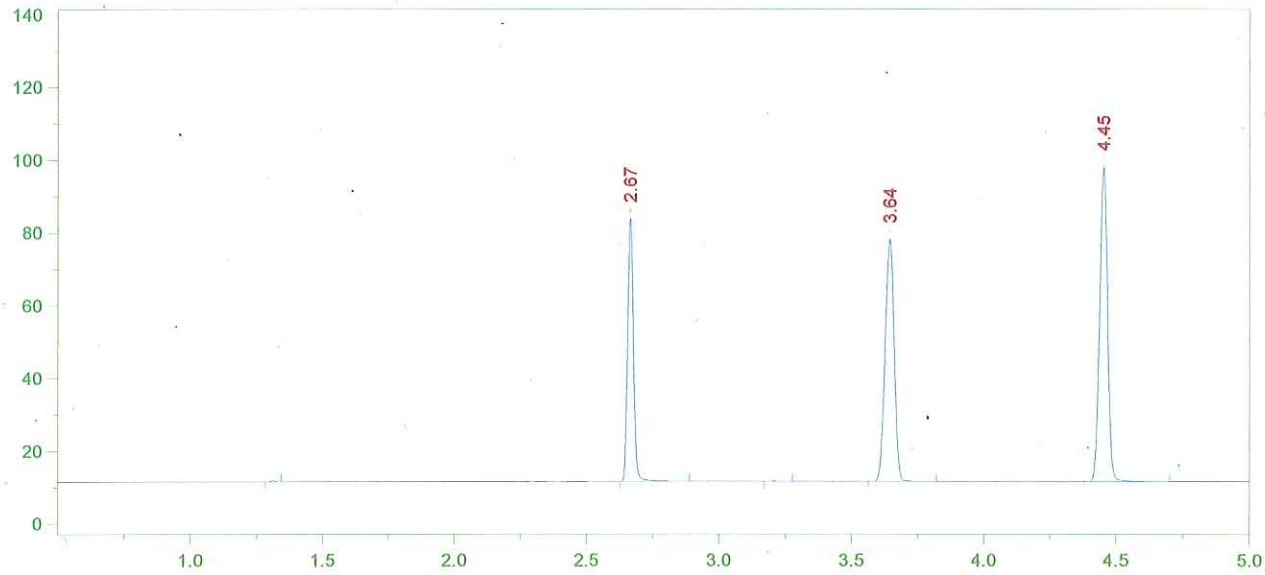
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	113487	0.1203	0.0982
4	3.64	t-Butanol	156438	1.0353	0.8450
5	4.45	n-Propanol	186461	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 12/20/2012
Today's Time = 8:29:26 AM
Bound File Name = SIM12192012.0013.RAW
Sample Name = 0.10 RLM
Date Taken = 12/19/2012 1:36:31 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM12192012.CAL
Calibration Version = 1

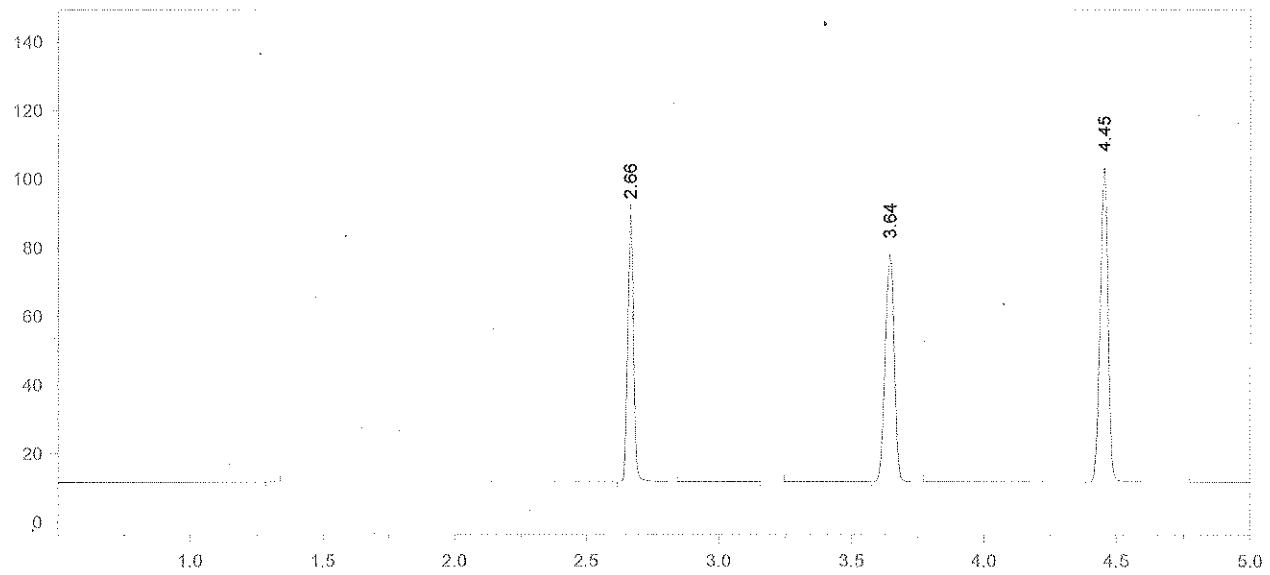
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	116543	0.1239	0.1011
4	3.64	t-Butanol	147057	0.9756	0.7963
5	4.45	n-Propanol	185990	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 12/20/2012 Today's Time = 8:29:35 AM
Bound File Name = SIM12192012.0014.RAW
Sample Name = 0.10 RLM
Date Taken = 12/19/2012 1:54:09 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM12192012.CAL Calibration Version = 1

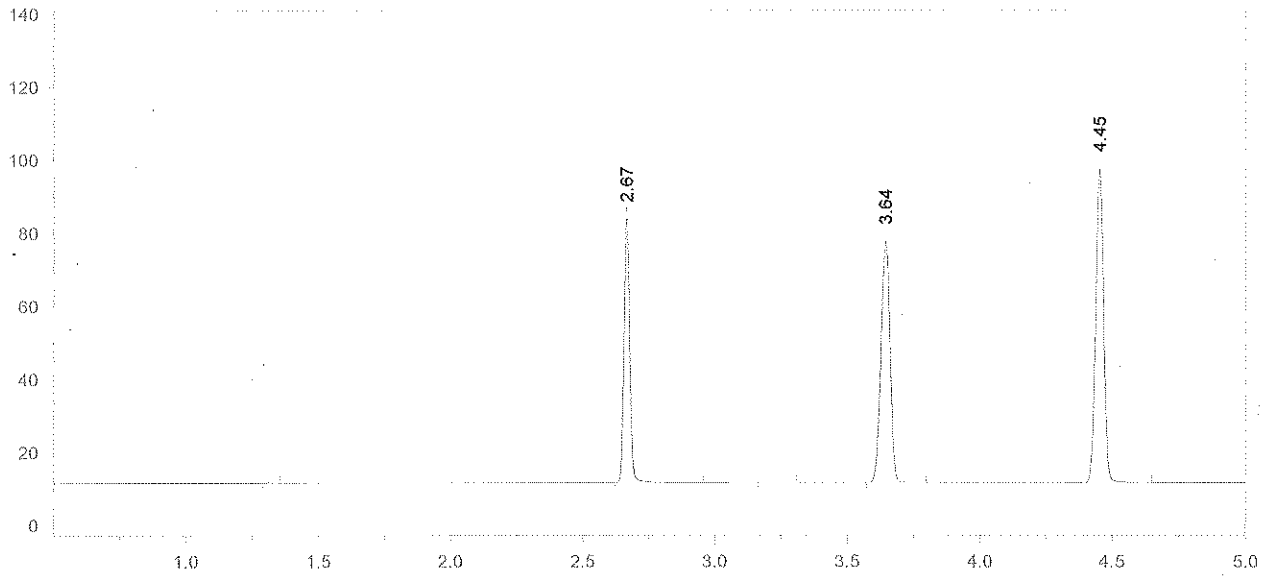
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	111436	0.1201	0.0980
4	3.64	t-Butanol	153954	1.0356	0.8453
5	4.45	n-Propanol	183438	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 12/20/2012 Today's Time = 8:29:44 AM
Bound File Name = SIM12192012.0015.RAW
Sample Name = 0.10 RLM
Date Taken = 12/19/2012 2:08:00 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM12192012.CAL Calibration Version = 1

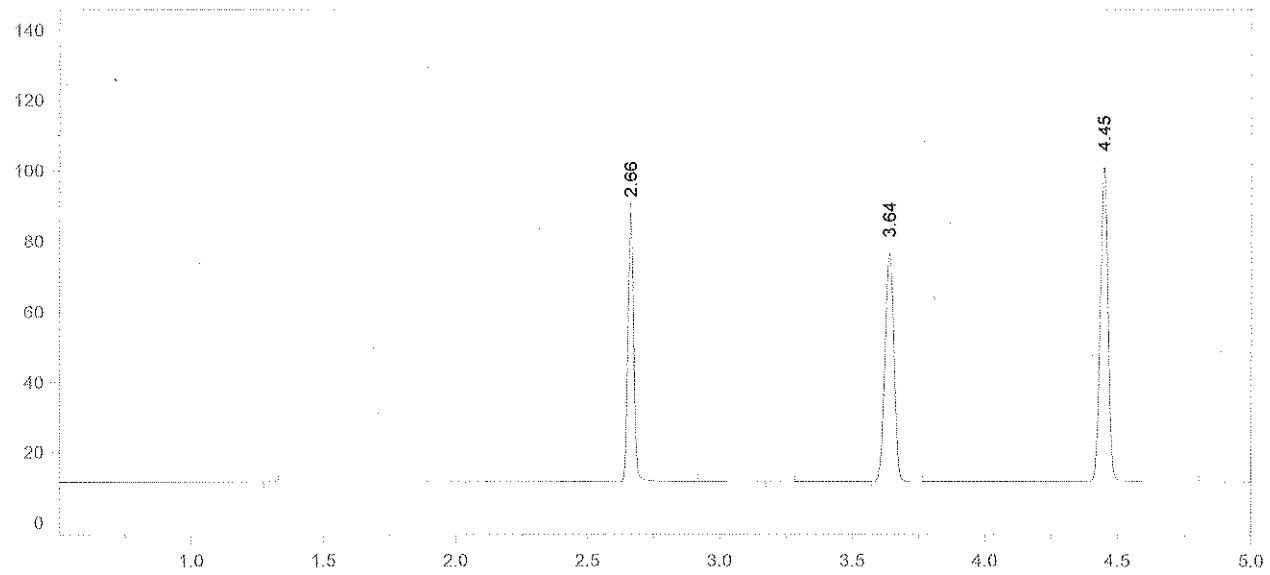
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	120736	0.1227	0.1001
4	3.64	t-Butanol	154067	0.9770	0.7974
5	4.45	n-Propanol	194582	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 12/20/2012 Today's Time = 8:29:53 AM
Bound File Name = SIM12192012.0016.RAW
Sample Name = 0.10 RLM
Date Taken = 12/19/2012 2:25:39 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM12192012.CAL Calibration Version = 1

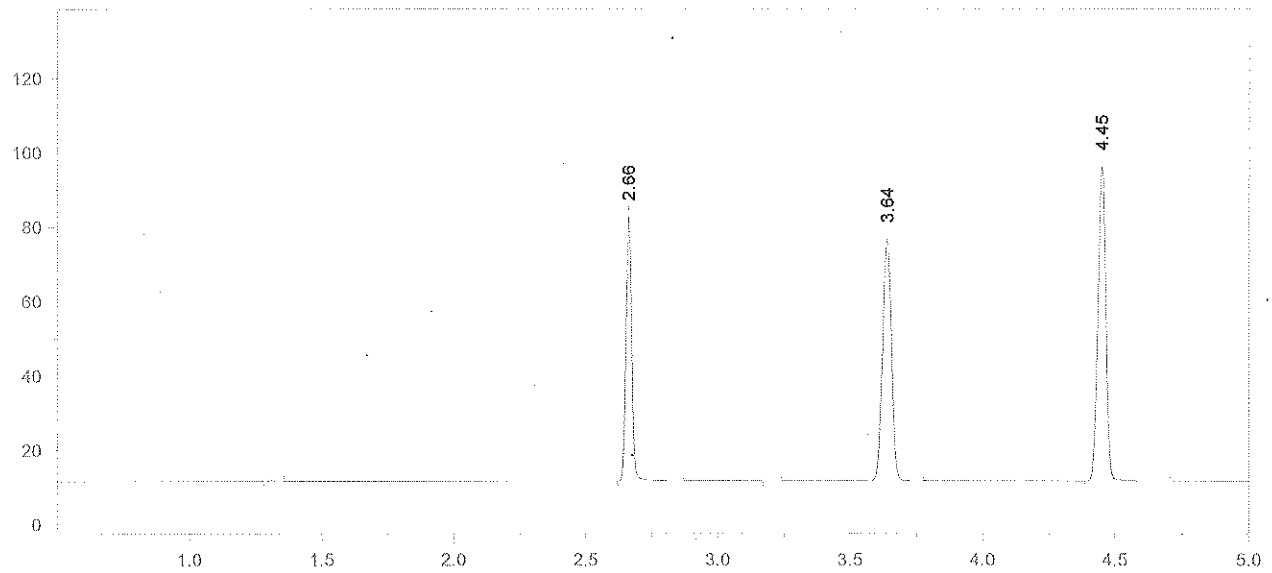
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	111634	0.1210	0.0988
4	3.64	t-Butanol	152787	1.0339	0.8439
5	4.45	n-Propanol	182346	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 12/20/2012 Today's Time = 8:30:03 AM
Bound File Name = SIM12192012.0017.RAW
Sample Name = 0.10 RLM
Date Taken = 12/19/2012 2:39:22 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM12192012.CAL Calibration Version = 1

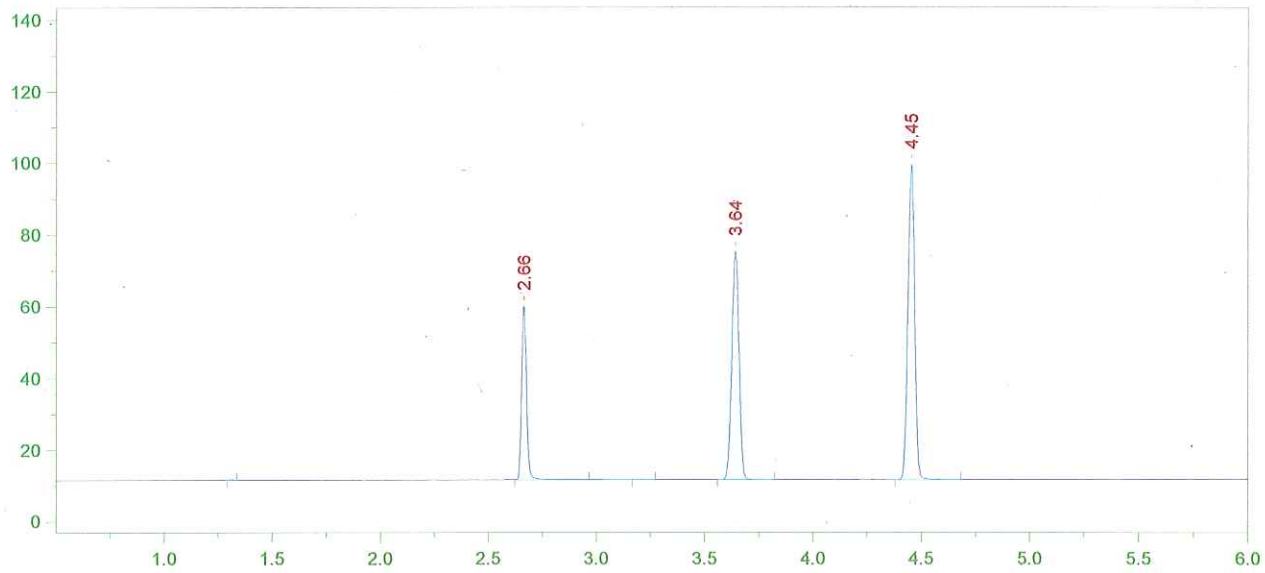
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	118930	0.1236	0.1009
4	3.64	t-Butanol	150361	0.9752	0.7959
5	4.45	n-Propanol	190259	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 12/20/2012 Today's Time = 8:30:13 AM
Bound File Name = SIM12192012.0018.RAW
Sample Name = 0.10 RLM
Date Taken = 12/19/2012 2:57:06 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM12192012.CAL Calibration Version = 1

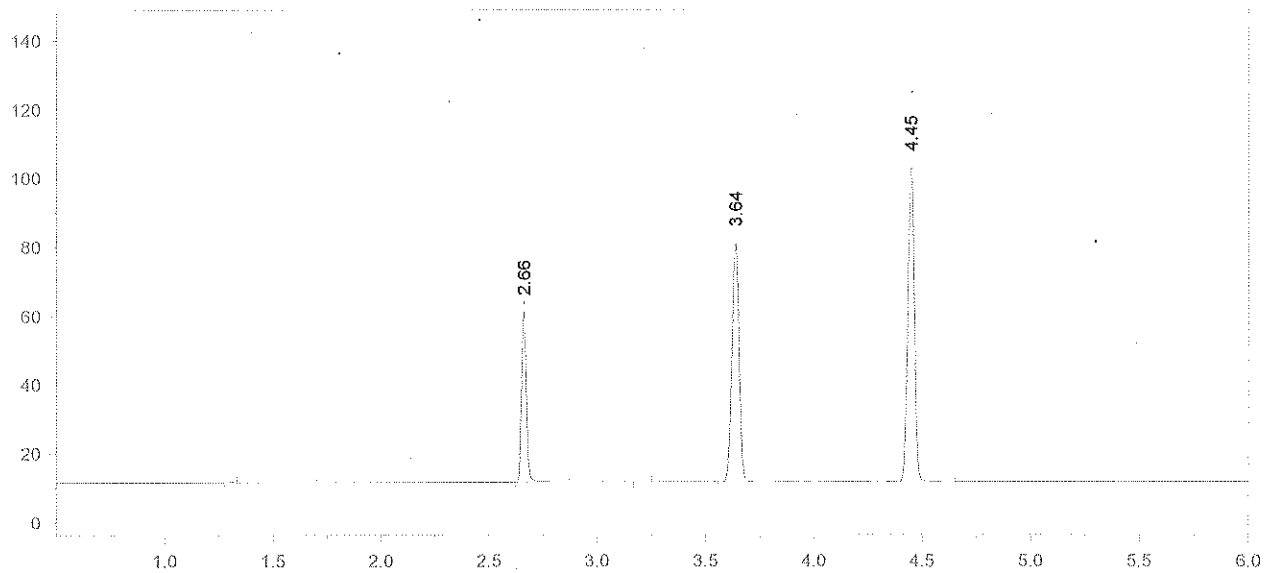
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	109134	0.1203	0.0982
4	3.64	t-Butanol	150717	1.0373	0.8467
5	4.45	n-Propanol	179286	1.0000	0.8162



Format File Name = AlcoholVFL.FMT

Today's Date = 12/20/2012
Today's Time = 8:24:15 AM
Bound File Name = SIM12192012.0019.RAW
Sample Name = CCS
Date Taken = 12/19/2012 3:10:39 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM12192012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	75919	0.0803
4	3.64	t-Butanol	147428	0.9737
5	4.45	n-Propanol	186836	1.0000

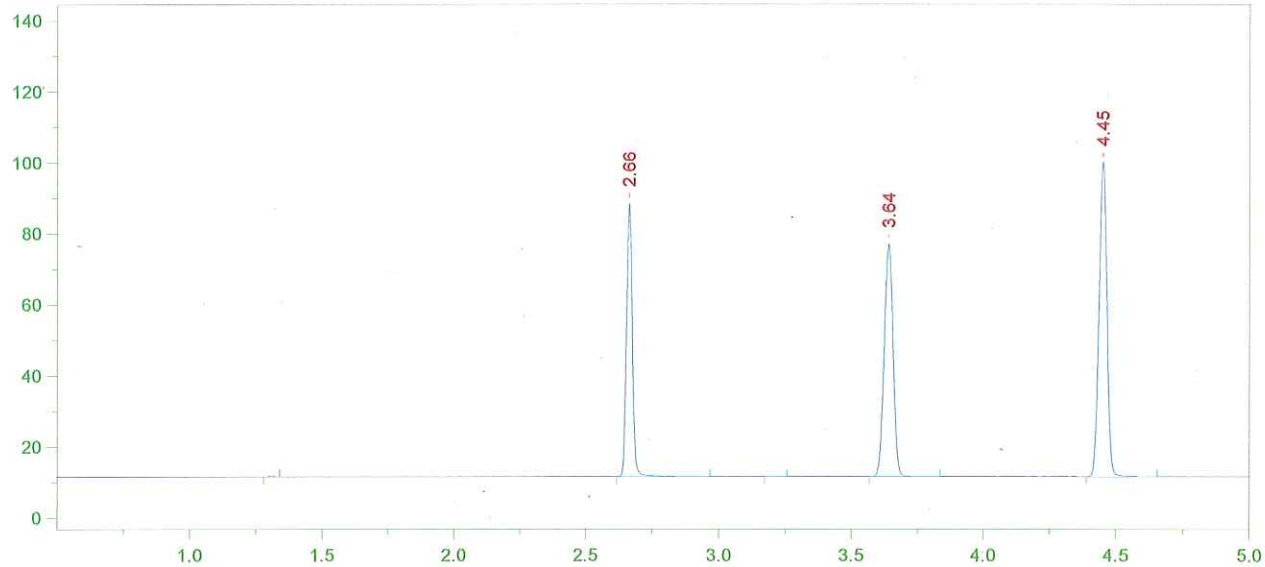


Format File Name = AlcoholVFL.FMT

Today's Date = 12/20/2012
Today's Time = 8:24:25 AM
Bound File Name = SIM12192012.0020.RAW
Sample Name = CCS
Date Taken = 12/19/2012 3:28:30 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM12192012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	76781	0.0783
4	3.64	t-Butanol	160340	1.0202
5	4.45	n-Propanol	193929	1.0000

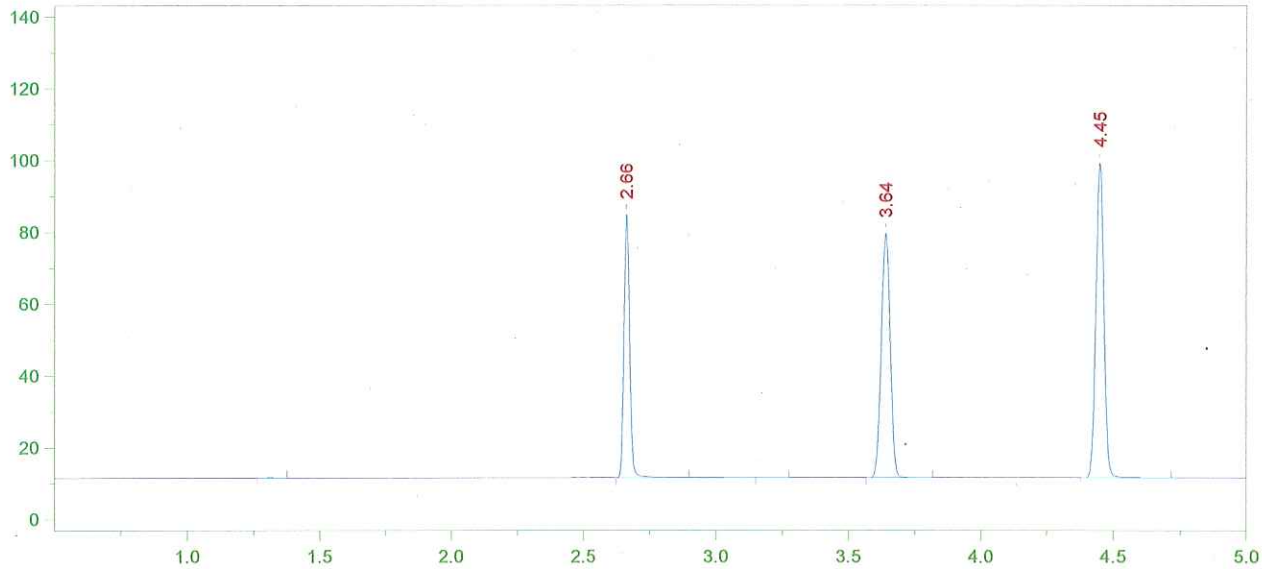
Avg val # 19 + # 20 = 0.079
RLM 12/20/12



Format File Name = simsoln-JFH.met.FMT

Today's Date = 12/20/2012 Today's Time = 8:30:22 AM
Bound File Name = SIM12192012.0021.RAW
Sample Name = 0.10 ALB
Date Taken = 12/19/2012 3:42:13 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM12192012.CAL Calibration Version = 1

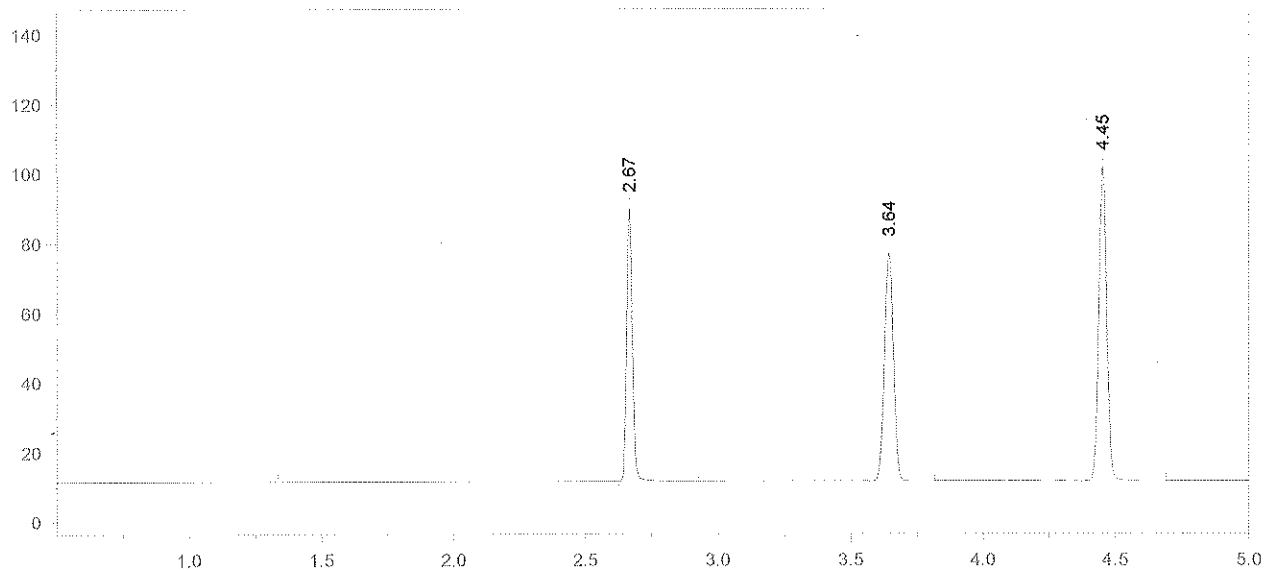
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	118353	0.1238	0.1010
4	3.64	t-Butanol	150597	0.9832	0.8025
5	4.45	n-Propanol	188995	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 12/20/2012
Today's Time = 8:30:32 AM
Bound File Name = SIM12192012.0022.RAW
Sample Name = 0.10 ALB
Date Taken = 12/19/2012 3:59:55 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM12192012.CAL
Calibration Version = 1

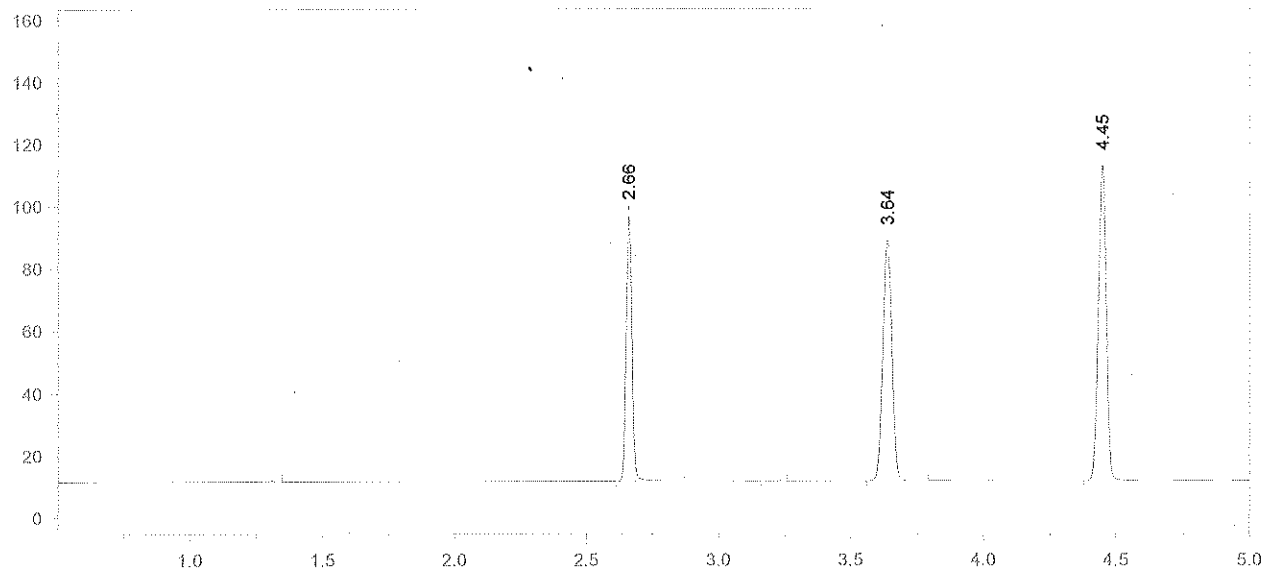
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	112332	0.1193	0.0973
4	3.64	t-Butanol	156766	1.0390	0.8480
5	4.45	n-Propanol	186186	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 12/20/2012
Today's Time = 8:30:41 AM
Bound File Name = SIM12192012.0023.RAW
Sample Name = 0.10 ALB
Date Taken = 12/19/2012 4:13:42 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM12192012.CAL
Calibration Version = 1

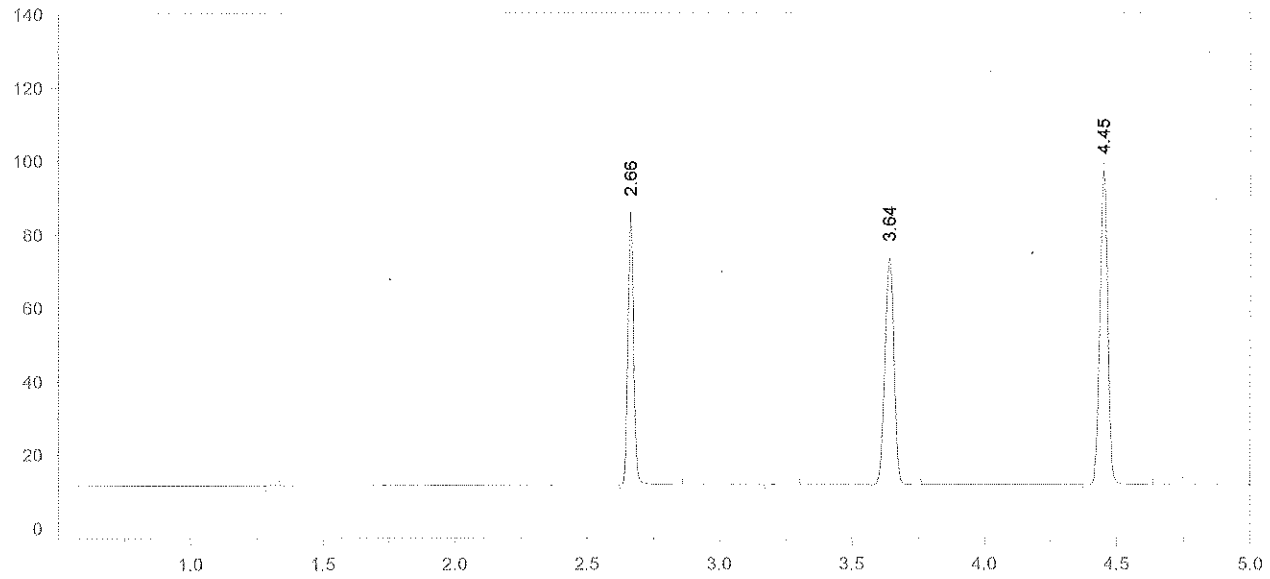
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	120424	0.1247	0.1017
4	3.64	t-Butanol	151064	0.9760	0.7966
5	4.45	n-Propanol	190986	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 12/20/2012 Today's Time = 8:30:51 AM
Bound File Name = SIM12192012.0024.RAW
Sample Name = 0.10 ALB
Date Taken = 12/19/2012 4:29:34 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM12192012.CAL Calibration Version = 1

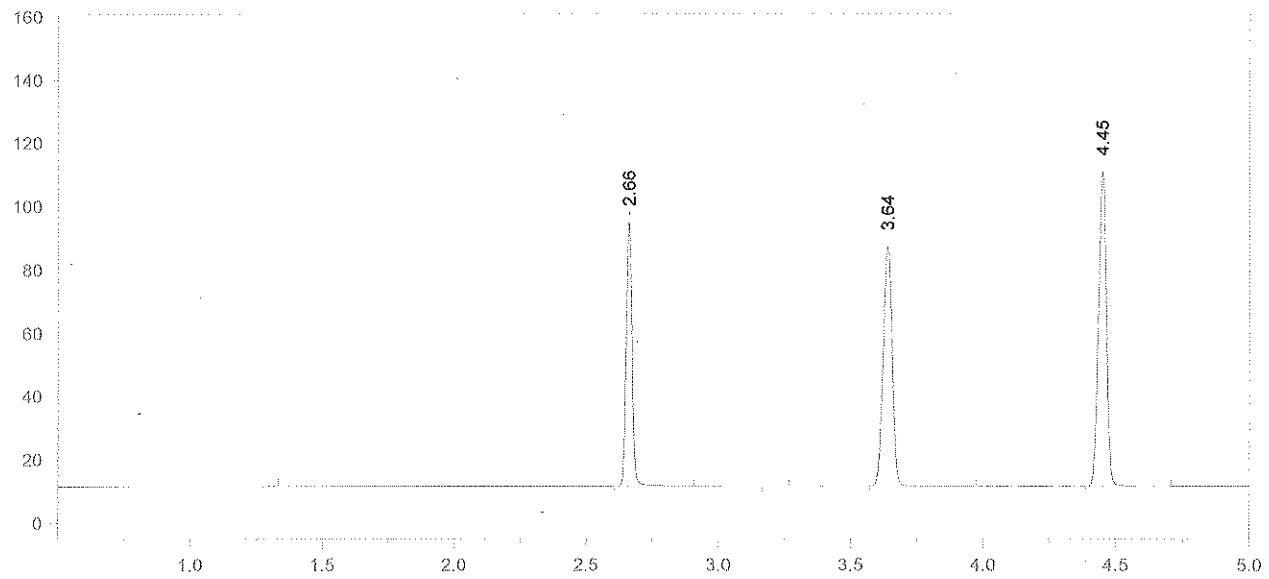
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	130991	0.1205	0.0983
4	3.64	t-Butanol	177851	1.0210	0.8333
5	4.45	n-Propanol	214949	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 12/20/2012
Today's Time = 8:31:01 AM
Bound File Name = SIM12192012.0025.RAW
Sample Name = 0.10 ALB
Date Taken = 12/19/2012 4:45:14 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM12192012.CAL
Calibration Version = 1

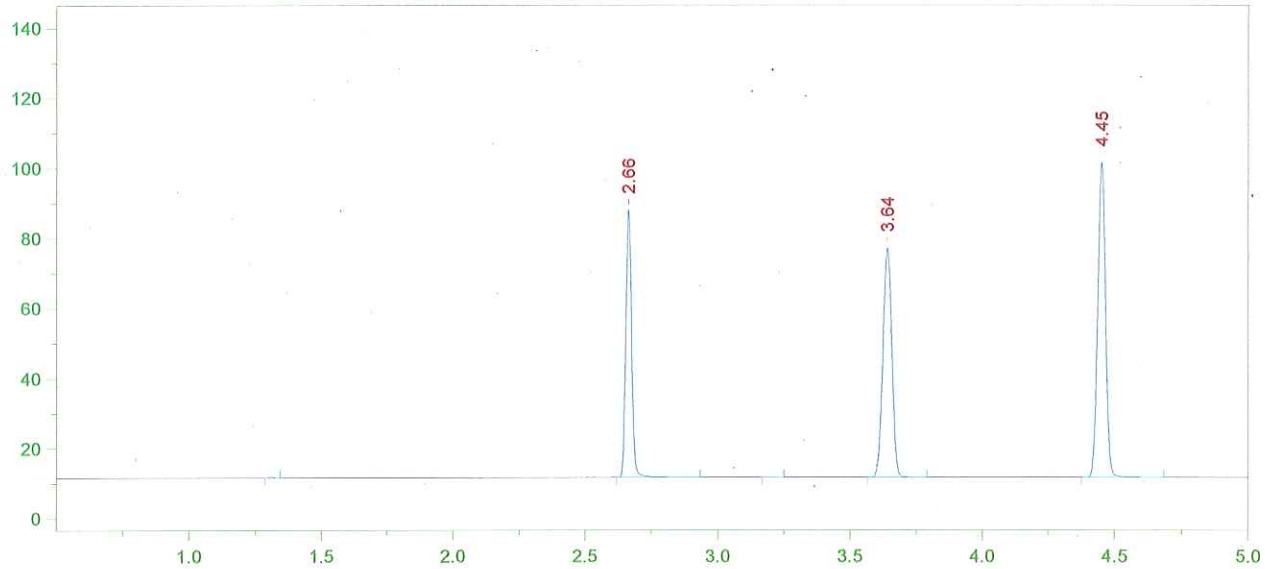
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	113811	0.1240	0.1012
4	3.64	t-Butanol	142419	0.9689	0.7908
5	4.45	n-Propanol	181385	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 12/20/2012 Today's Time = 8:31:11 AM
Bound File Name = SIM12192012.0026.RAW
Sample Name = 0.10 ALB
Date Taken = 12/19/2012 4:59:25 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM12192012.CAL Calibration Version = 1

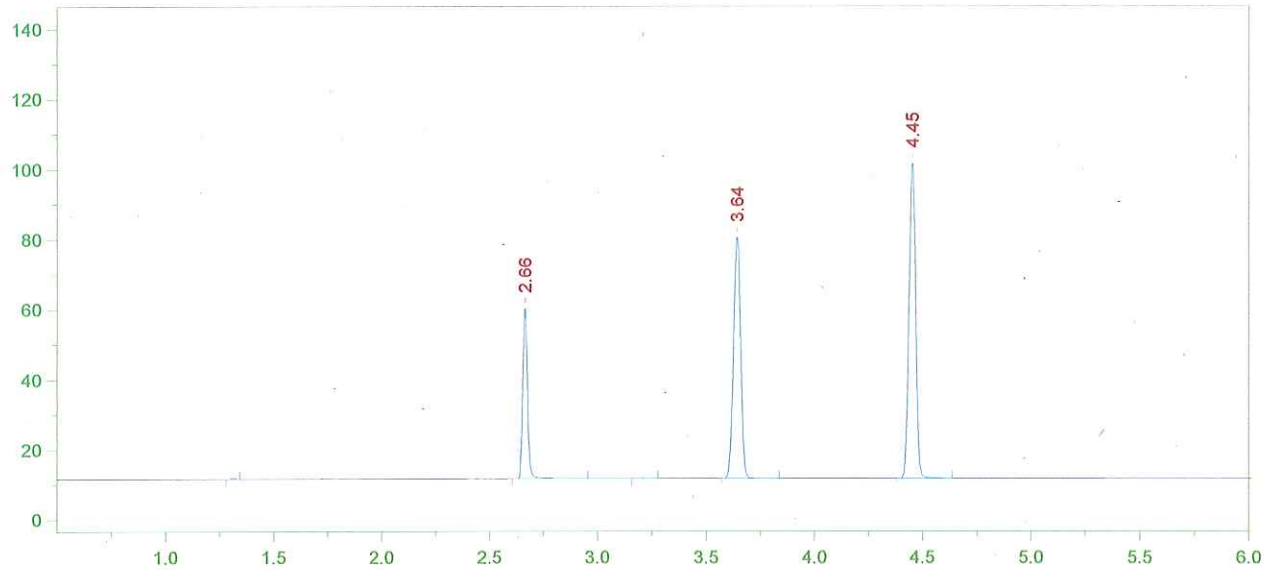
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	129321	0.1212	0.0989
4	3.64	t-Butanol	175529	1.0268	0.8381
5	4.45	n-Propanol	210935	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 12/20/2012
Today's Time = 8:31:20 AM
Bound File Name = SIM12192012.0027.RAW
Sample Name = 0.10 ALB
Date Taken = 12/19/2012 5:15:26 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SIM12192012.CAL
Calibration Version = 1

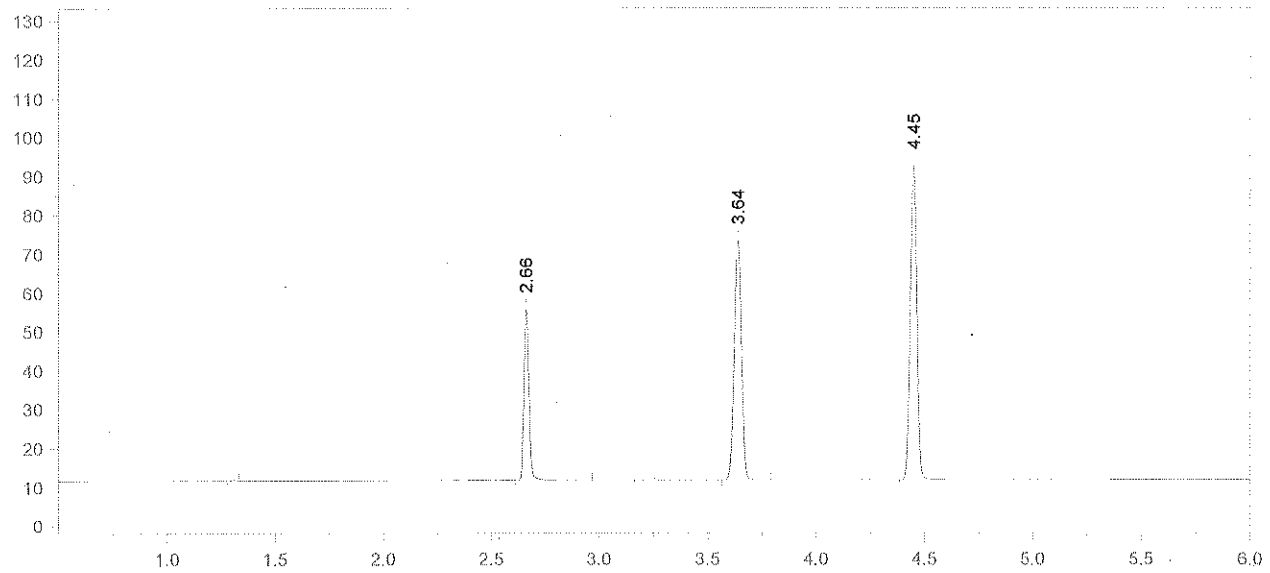
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	117441	0.1218	0.0994
4	3.64	t-Butanol	151280	0.9789	0.7990
5	4.45	n-Propanol	190692	1.0000	0.8162



Format File Name = AlcoholVFL.FMT

Today's Date = 12/20/2012
Today's Time = 8:25:37 AM
Bound File Name = SIM12192012.0028.RAW
Sample Name = CCS
Date Taken = 12/19/2012 5:31:37 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM12192012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	75865	0.0788
4	3.64	t-Butanol	158994	1.0304
5	4.45	n-Propanol	190402	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 12/20/2012
Today's Time = 8:25:47 AM
Bound File Name = SIM12192012.0029.RAW
Sample Name = CCS
Date Taken = 12/19/2012 5:45:36 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = SIM12192012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	68871	0.0787
4	3.64	t-Butanol	142790	1.0187
5	4.45	n-Propanol	172960	1.0000

Avg val #28+#29 = 0.079
RLM 12/20/12

Headspace Alcohol Analysis Standards Coversheet

Analyst: RLM Date: 12/20/12

12/24/2012

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	
Acceptance Range (± 10%)	0.007	0.026	0.089	0.220	0.443	
	0.005	0.022	0.073	0.180	0.363	

(c)

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		0.024	(Y) N	
5	Standard C		0.081	(Y) N	
6	Standard D		0.196	(Y) N	
7	Standard E		0.405	(Y) N	
8-10 RZM 12/21/12	Aqueous QC		0.0778	(Y) N	Avg = 0.079 ✓ (99% recovery)
9-11 RZM 12/21/12	Aqueous QC		0.0796	(Y) N	

File Name: C:\Methods\VFL12202012.CAL
Version: 1

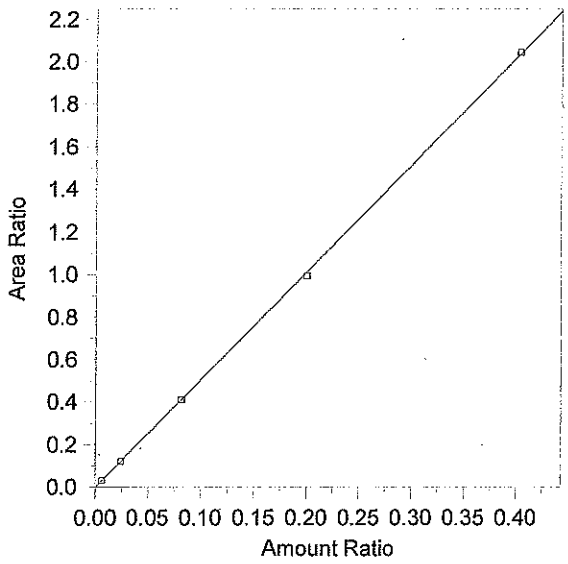
Creator:
Description:
Reason for change:

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: 2.665 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

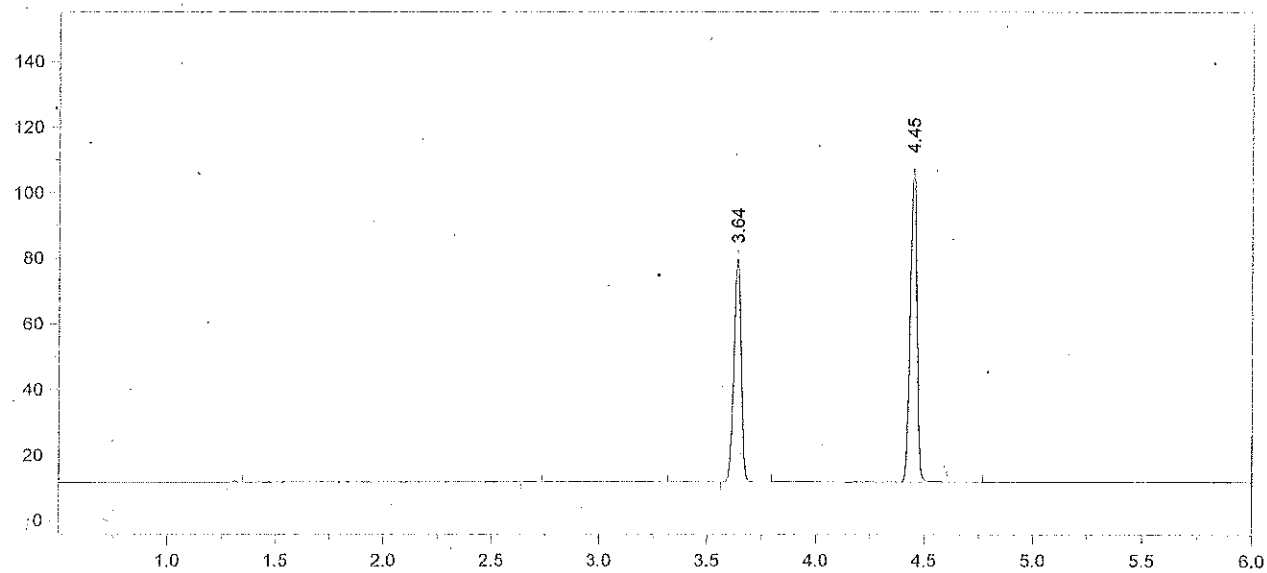
$Y = 5.045775 X + 0$

Linear fit with equal weighting, forced to origin
Coefficient of determination: 0.9998264
Average error: 0.897%
Average CF: 5.014108
RSD: 1.079%

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	6142.656	1023776	0.183	0.006	3.032992E-02	C:\Alcohol Data\VFL12202012\VFL12202012.0003.BND	12/21/2012 8:02:41 Al
3	0.0242	22915.12	946905.8	-1.595	0.0242	0.1201602	C:\Alcohol Data\VFL12202012\VFL12202012.0004.BND	12/21/2012 8:02:33 Al
4	0.0813	73737.48	906980.1	-0.305	0.0813	0.408971	C:\Alcohol Data\VFL12202012\VFL12202012.0005.BND	12/21/2012 8:02:25 Al
5	0.2004	189977.6	947992	-1.912	0.2004	0.991844	C:\Alcohol Data\VFL12202012\VFL12202012.0006.BND	12/21/2012 8:02:18 Al
6	0.403	383355	951253.1	0.491	0.403	2.043428	C:\Alcohol Data\VFL12202012\VFL12202012.0007.BND	12/21/2012 8:02:11 Al

File Name = C:\Alcohol Data\VFL12202012\VFL12202012.SEQ
Version = 2
File Date = 12/20/2012 3:28:29 PM

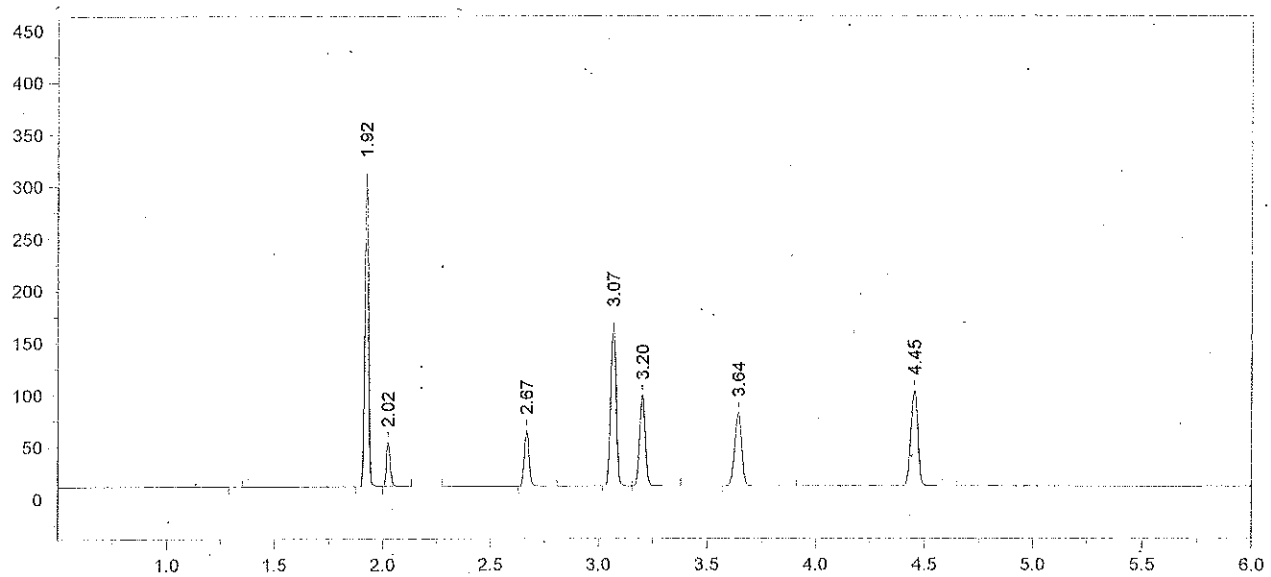
Entry #	Raw File Name	Method File Name	Sample Name	Sample Wt.	Int. Std. Amount
1	VFL12202012.0001.raw	Blood Alc New VFL.MET	Blank	1.00	1.00
2	VFL12202012.0002.raw	Blood Alc New VFL.MET	TMX	1.00	1.00
3	VFL12202012.0003.raw	Blood Alc New VFL.MET	STD A	1.00	1.00
4	VFL12202012.0004.raw	Blood Alc New VFL.MET	STD B	1.00	1.00
5	VFL12202012.0005.raw	Blood Alc New VFL.MET	STD C	1.00	1.00
6	VFL12202012.0006.raw	Blood Alc New VFL.MET	STD D	1.00	1.00
7	VFL12202012.0007.raw	Blood Alc New VFL.MET	STD E	1.00	1.00
8	VFL12202012.0008.raw	Blood Alc New VFL.MET	WB] whole blood controls	1.00	1.00
9	VFL12202012.0009.raw	Blood Alc New VFL.MET	WB] not included RZM 12/21/12	1.00	1.00
10	VFL12202012.0010.raw	Blood Alc New VFL.MET	AQ QC	1.00	1.00
11	VFL12202012.0011.raw	Blood Alc New VFL.MET	AQ QC	1.00	1.00
12	VFL12202012.0012.raw	Blood Alc New VFL.MET	CCS] casework	1.00	1.00
13	VFL12202012.0013.raw	Blood Alc New VFL.MET	CCS] samples not	1.00	1.00
14	VFL12202012.0014.raw	Blood Alc New VFL.MET	[redacted]] included	1.00	1.00
15	VFL12202012.0015.raw	Blood Alc New VFL.MET	[redacted]] RZM 12/21/12	1.00	1.00
16	VFL12202012.0016.raw	Blood Alc New VFL.MET	[redacted]]	1.00	1.00
17	VFL12202012.0017.raw	Blood Alc New VFL.MET	[redacted]]	1.00	1.00
18	VFL12202012.0018.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
19	VFL12202012.0019.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
20	VFL12202012.0020.raw	simsoln.met	RLM 0.10	1.00	1.00
21	VFL12202012.0021.raw	simsoln.met	RLM 0.10	1.00	1.00
22	VFL12202012.0022.raw	simsoln.met	RLM 0.10	1.00	1.00
23	VFL12202012.0023.raw	simsoln.met	RLM 0.10	1.00	1.00
24	VFL12202012.0024.raw	simsoln.met	RLM 0.10	1.00	1.00
25	VFL12202012.0025.raw	simsoln.met	RLM 0.10	1.00	1.00
26	VFL12202012.0026.raw	simsoln.met	RLM 0.10	1.00	1.00
27	VFL12202012.0027.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
28	VFL12202012.0028.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
29	VFL12202012.0029.raw	simsoln.met	ALB 0.10	1.00	1.00
30	VFL12202012.0030.raw	simsoln.met	ALB 0.10	1.00	1.00
31	VFL12202012.0031.raw	simsoln.met	ALB 0.10	1.00	1.00
32	VFL12202012.0032.raw	simsoln.met	ALB 0.10	1.00	1.00
33	VFL12202012.0033.raw	simsoln.met	ALB 0.10	1.00	1.00
34	VFL12202012.0034.raw	simsoln.met	ALB 0.10	1.00	1.00
35	VFL12202012.0035.raw	simsoln.met	ALB 0.10	1.00	1.00
36	VFL12202012.0036.raw	Blood Alc New VFL.MET	CCS	1.00	1.00
37	VFL12202012.0037.raw	Blood Alc New VFL.MET	CCS	1.00	1.00



Format File Name = AlcoholVFL.FMT

Today's Date = 12/21/2012 Today's Time = 8:05:52 AM
Bound File Name = VFL12202012.0001.RAW
Sample Name = Blank
Date Taken = 12/20/2012 4:04:23 PM VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL12202012.CAL Calibration Version = 1

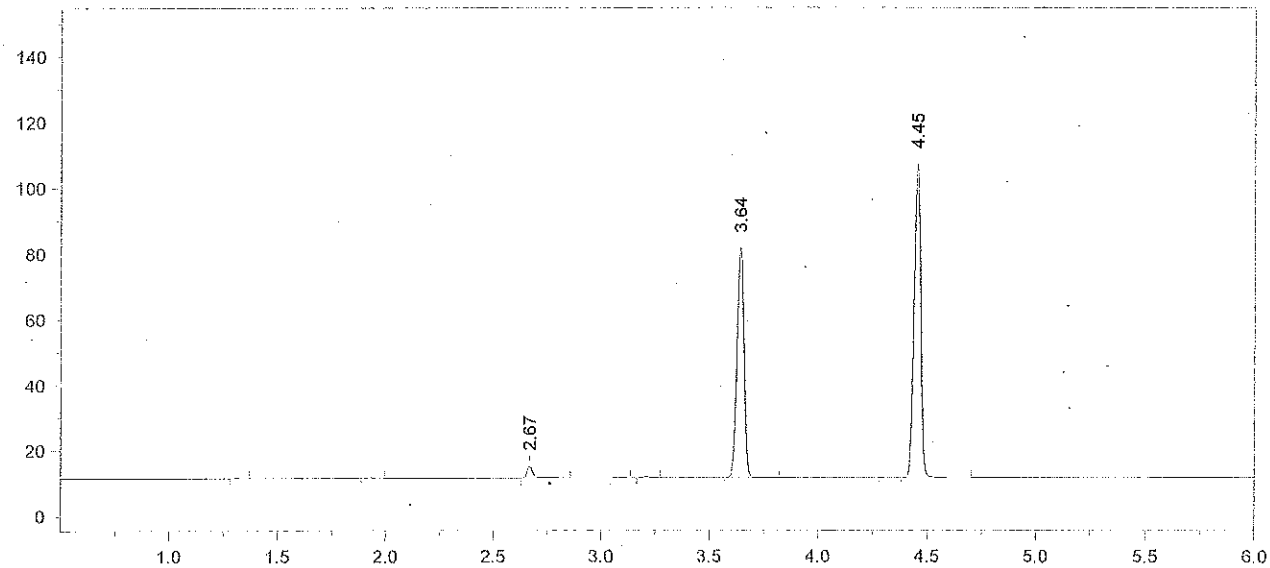
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
4	3.64	t-Butanol	157849	0.9525
5	4.45	n-Propanol	202978	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 12/21/2012
Today's Time = 8:06:03 AM
Bound File Name = VFL12202012.0002.RAW
Sample Name = TMX
Date Taken = 12/20/2012 4:21:39 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL12202012.CAL
Calibration Version = 1

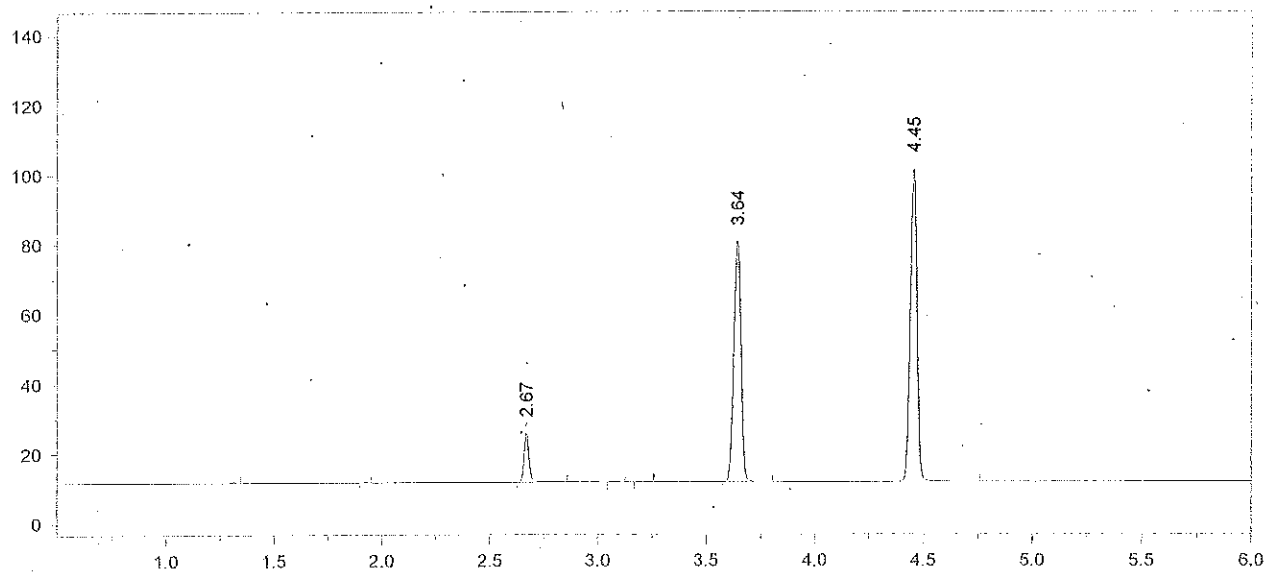
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	1.92	Acetaldehyde	344351	0.0720
3	2.02	Methanol	52702	0.1210
4	2.67	Ethanol	82837	0.0846
5	3.07	Acetone	267508	0.0690
6	3.20	Isopropanol	161838	0.0830
7	3.64	t-Butanol	162579	1.0263
8	4.45	n-Propanol	194038	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 12/21/2012
Today's Time = 8:06:25 AM
Bound File Name = VFL12202012.0003.RAW
Sample Name = STD A
Date Taken = 12/20/2012 4:34:50 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL12202012.CAL
Calibration Version = 1

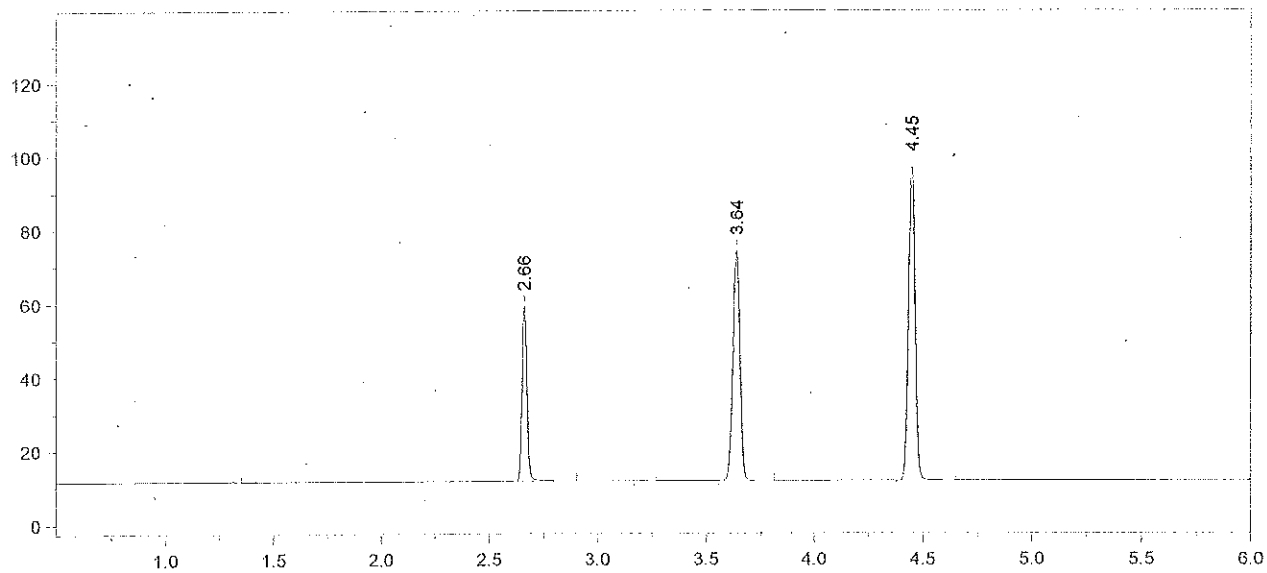
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.67	Ethanol	06143	0.0060
6	3.64	t-Butanol	161776	0.9784
7	4.45	n-Propanol	202528	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 12/21/2012
Today's Time = 8:06:35 AM
Bound File Name = VFL12202012.0004.RAW
Sample Name = STD B
Date Taken = 12/20/2012 4:51:23 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL12202012.CAL
Calibration Version = 1

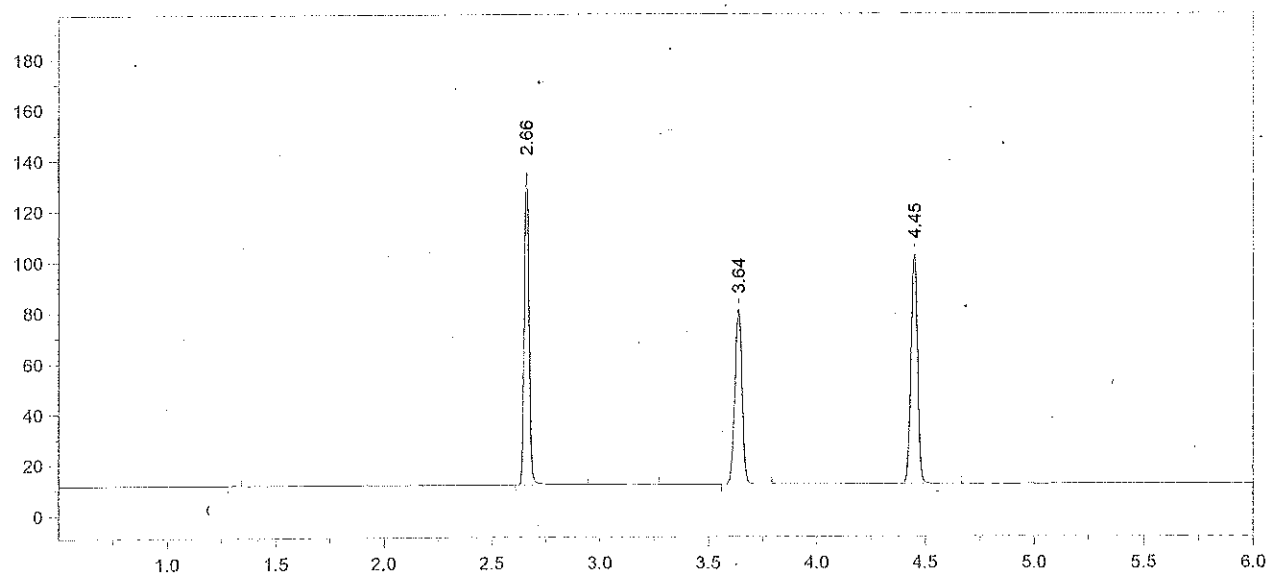
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.67	Ethanol	22915	0.0238
6	3.64	t-Butanol	159229	1.0227
7	4.45	n-Propanol	190705	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 12/21/2012
Today's Time = 8:06:45 AM
Bound File Name = VFL12202012.0005.RAW
Sample Name = STD C
Date Taken = 12/20/2012 5:06:16 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL12202012.CAL
Calibration Version = 1

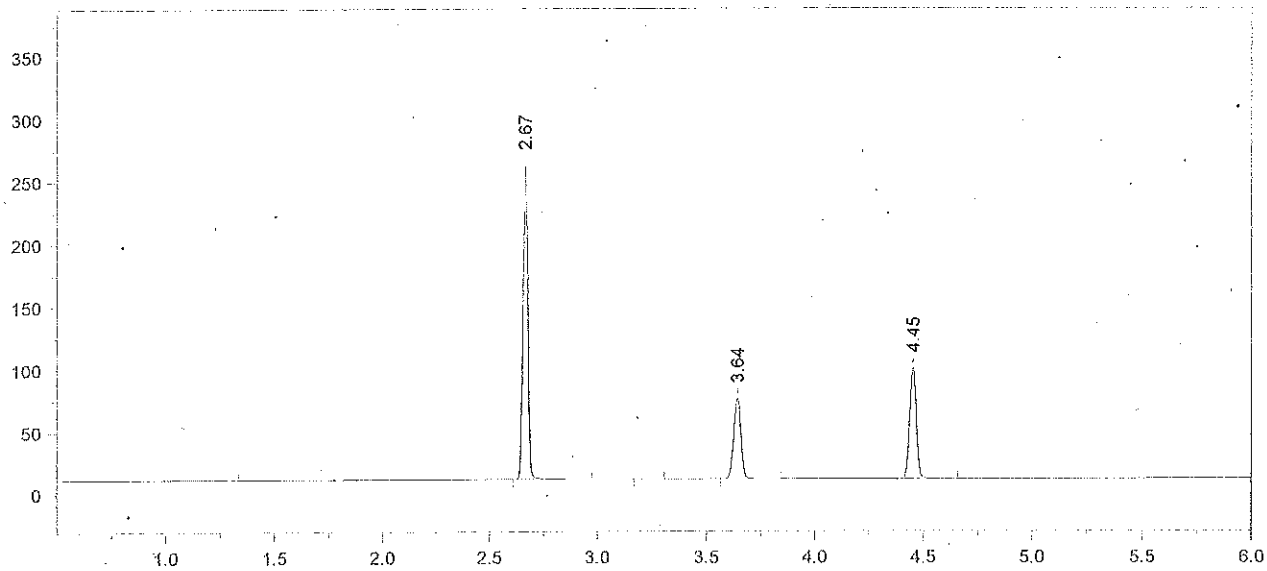
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	73737	0.0811
4	3.64	t-Butanol	144461	0.9814
5	4.45	n-Propanol	180300	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 12/21/2012
Today's Time = 8:06:54 AM
Bound File Name = VFL12202012.0006.RAW
Sample Name = STD D
Date Taken = 12/20/2012 5:22:53 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL12202012.CAL
Calibration Version = 1

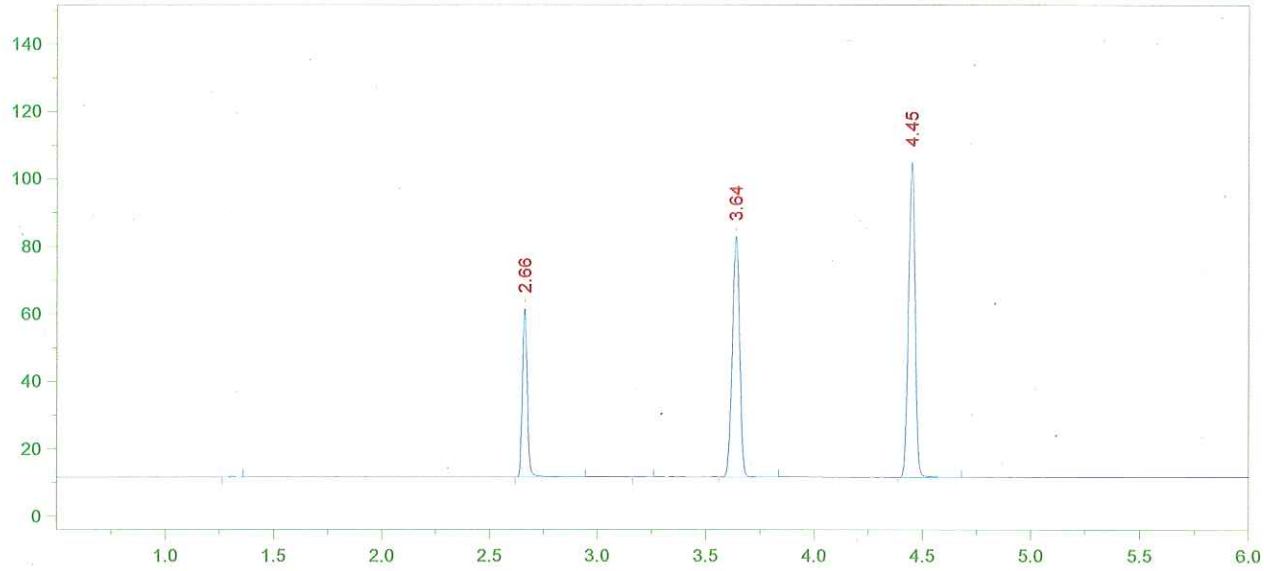
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	189978	0.1966
4	3.64	t-Butanol	159928	1.0227
5	4.45	n-Propanol	191540	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 12/21/2012
Today's Time = 8:07:04 AM
Bound File Name = VFL12202012.0007.RAW
Sample Name = STD E
Date Taken = 12/20/2012 5:36:36 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL12202012.CAL
Calibration Version = 1

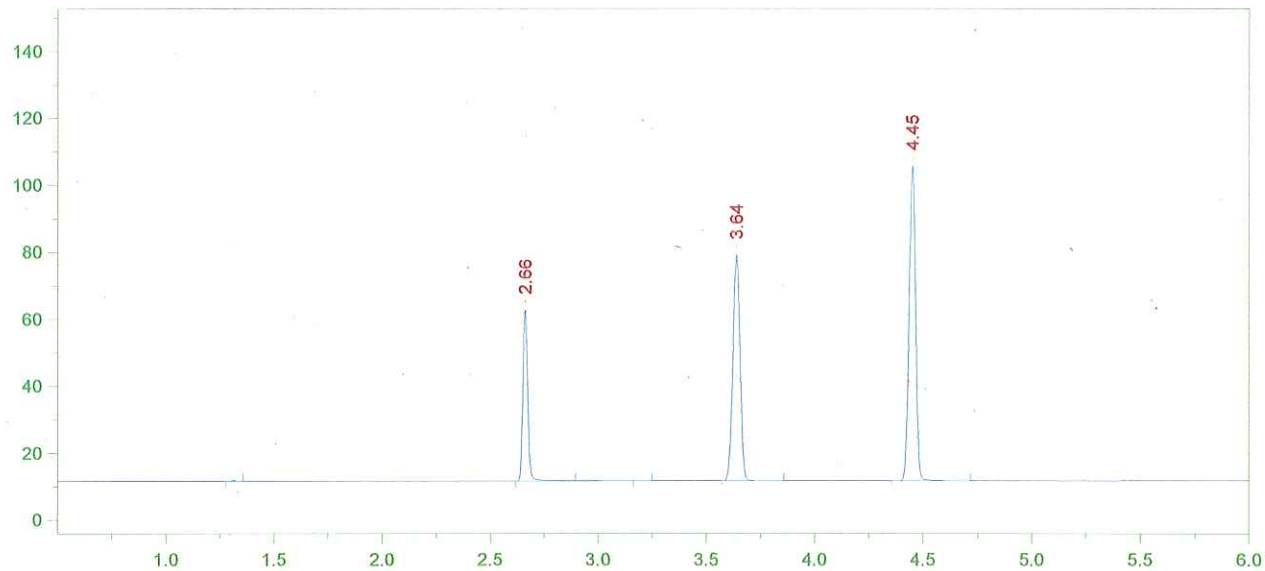
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	383355	0.4050
4	3.64	t-Butanol	148348	0.9686
5	4.45	n-Propanol	187604	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 12/21/2012
Today's Time = 8:07:33 AM
Bound File Name = VFL12202012.0010.RAW
Sample Name = AQ QC
Date Taken = 12/20/2012 6:25:42 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL12202012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	77394	0.0778
4	3.64	t-Butanol	164459	1.0219
5	4.45	n-Propanol	197128	1.0000

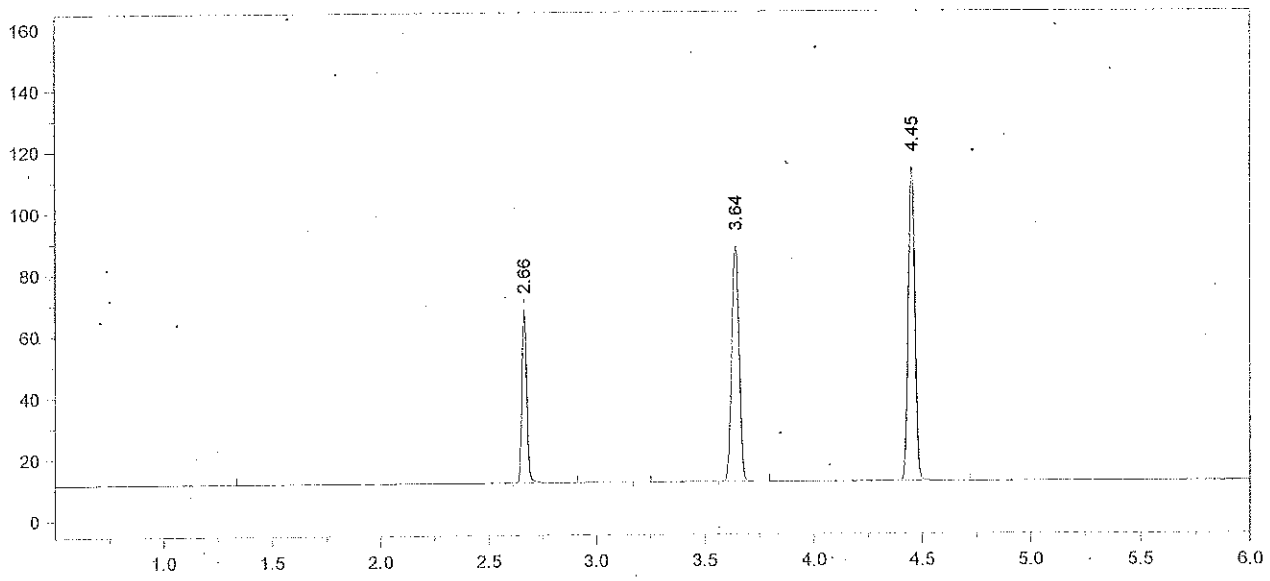


Format File Name = AlcoholVFL.FMT

Today's Date = 12/21/2012
Today's Time = 8:07:43 AM
Bound File Name = VFL12202012.0011.RAW
Sample Name = AQ QC
Date Taken = 12/20/2012 6:39:35 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL12202012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	79828	0.0796
4	3.64	t-Butanol	155642	0.9591
5	4.45	n-Propanol	198761	1.0000

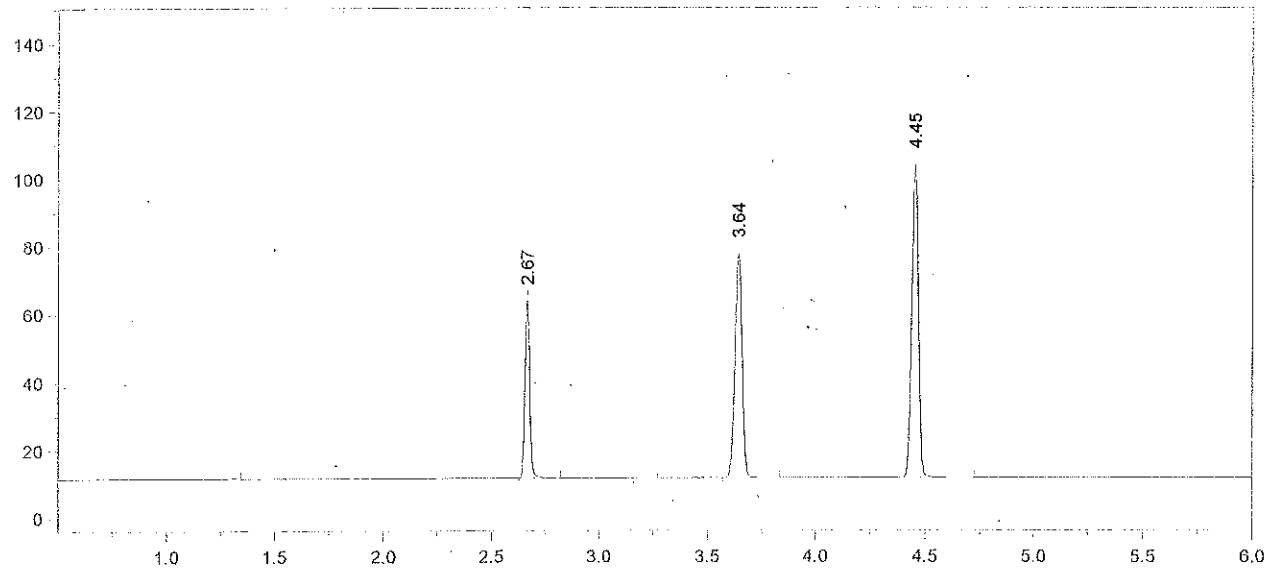
Avg #10 + #11 = 0.079
RZM 12/21/12



Format File Name = AlcoholVFL.FMT

Today's Date = 12/21/2012
Today's Time = 8:08:45 AM
Bound File Name = VFL12202012.0018.RAW
Sample Name = CCS
Date Taken = 12/20/2012 8:28:01 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL12202012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	87449	0.0802
4	3.64	t-Butanol	177542	1.0063
5	4.45	n-Propanol	216092	1.0000

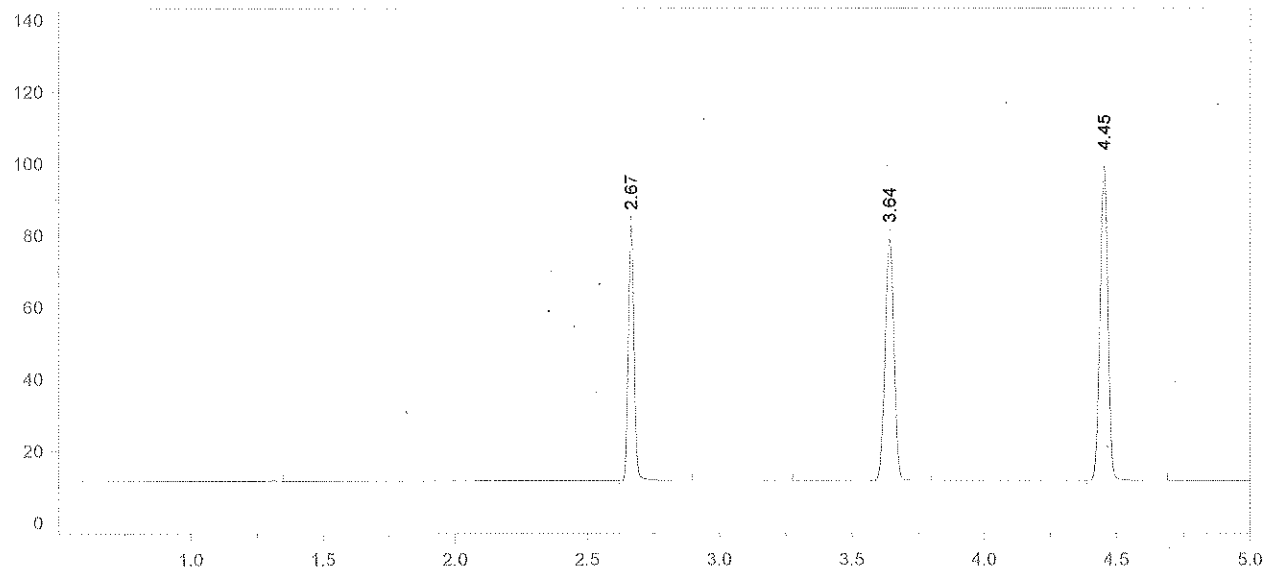


Format File Name = AlcoholVFL.FMT

Today's Date = 12/21/2012
Today's Time = 8:08:54 AM
Bound File Name = VFL12202012.0019.RAW
Sample Name = CCS
Date Taken = 12/20/2012 8:43:39 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL12202012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	80676	0.0818
4	3.64	t-Butanol	152472	0.9557
5	4.45	n-Propanol	195410	1.0000

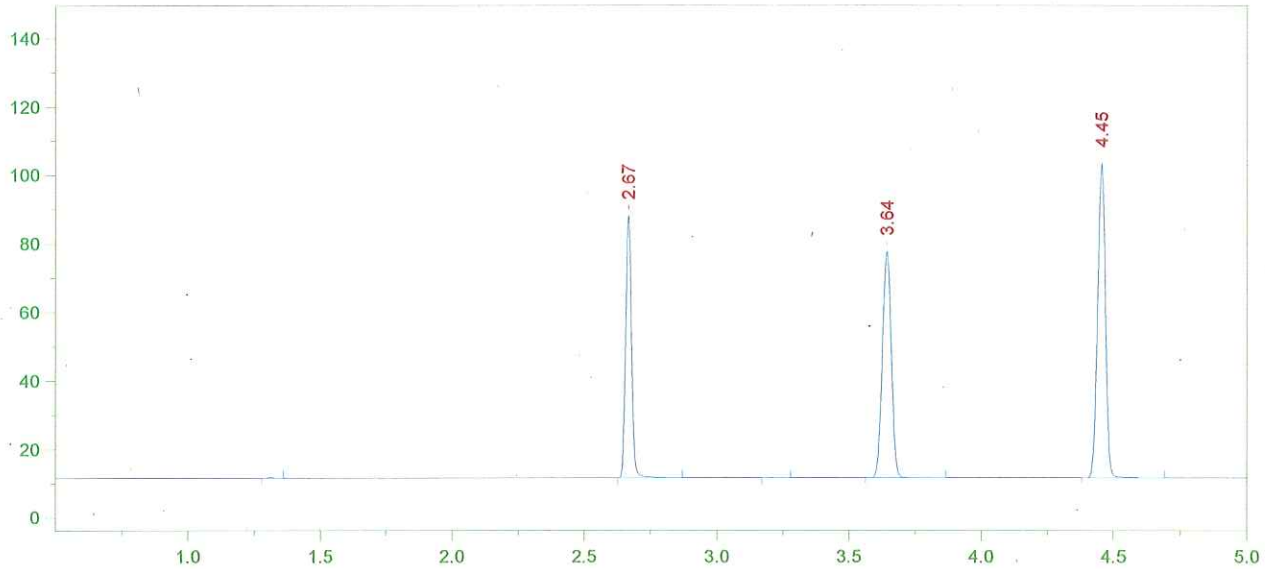
Avg #18 + #19 = 0.081
RZM 12/21/12



Format File Name = simsoln-JFH.met.FMT

Today's Date = 12/21/2012 Today's Time = 8:09:01 AM
Bound File Name = VFL12202012.0020.RAW
Sample Name = RLM 0.10
Date Taken = 12/20/2012 8:59:32 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL12202012.CAL Calibration Version = 1

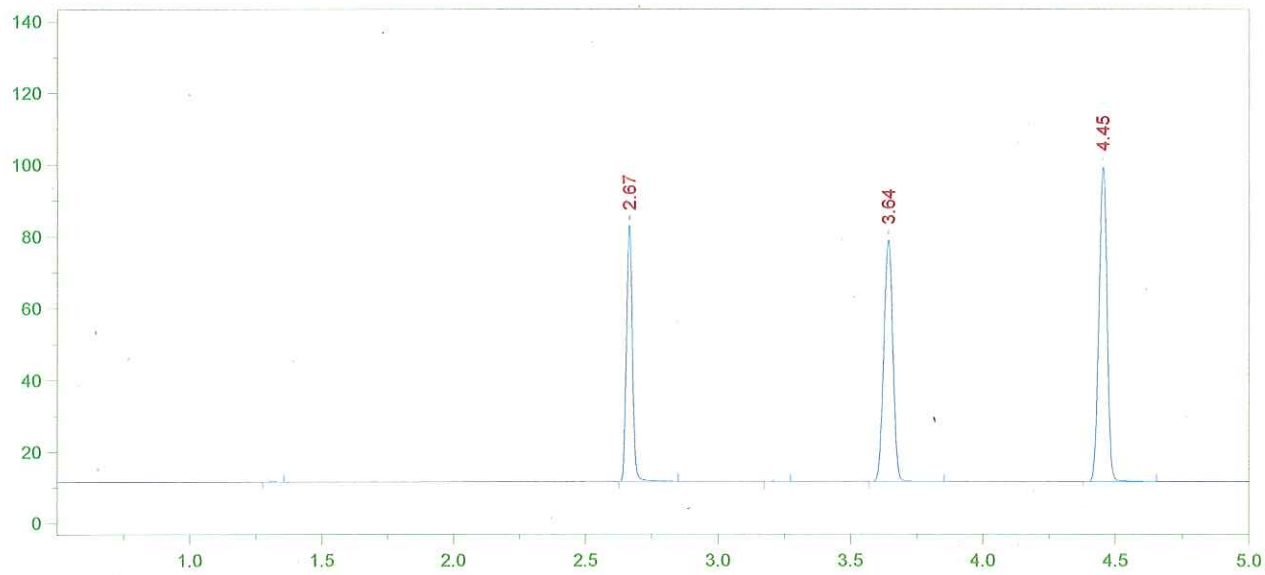
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	110257	0.1176	0.0960
4	3.64	t-Butanol	155924	1.0277	0.8388
5	4.45	n-Propanol	185834	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 12/21/2012
Today's Time = 8:09:09 AM
Bound File Name = VFL12202012.0021.RAW
Sample Name = RLM 0.10
Date Taken = 12/20/2012 9:13:58 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL12202012.CAL
Calibration Version = 1

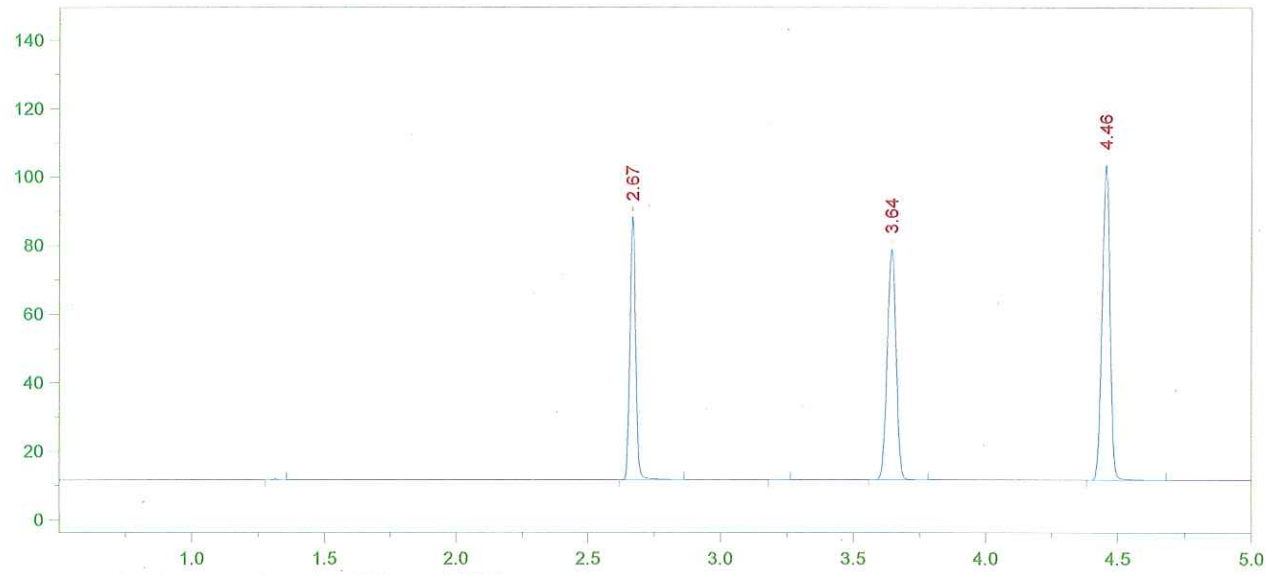
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	117562	0.1201	0.0981
4	3.64	t-Butanol	152624	0.9639	0.7868
5	4.45	n-Propanol	193938	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 12/21/2012 Today's Time = 8:09:21 AM
Bound File Name = VFL12202012.0022.RAW
Sample Name = RLM 0.10
Date Taken = 12/20/2012 9:30:56 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL12202012.CAL Calibration Version = 1

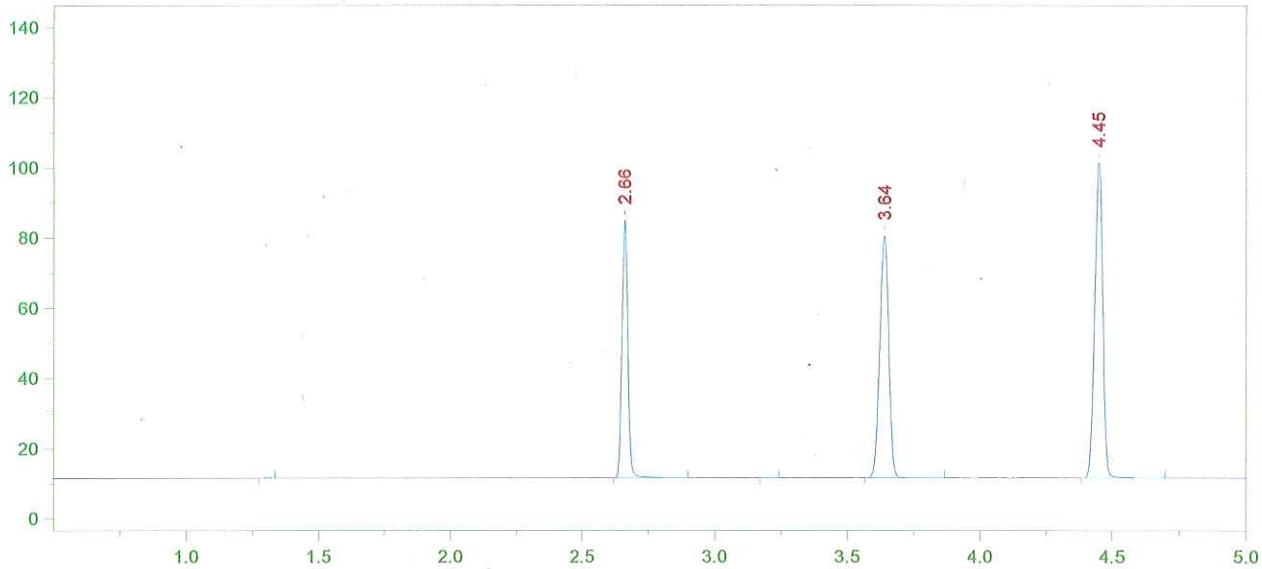
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	110588	0.1176	0.0960
4	3.64	t-Butanol	155754	1.0236	0.8355
5	4.45	n-Propanol	186371	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 12/21/2012 Today's Time = 8:09:28 AM
Bound File Name = VFL12202012.0023.RAW
Sample Name = RLM 0.10
Date Taken = 12/20/2012 9:44:12 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL12202012.CAL Calibration Version = 1

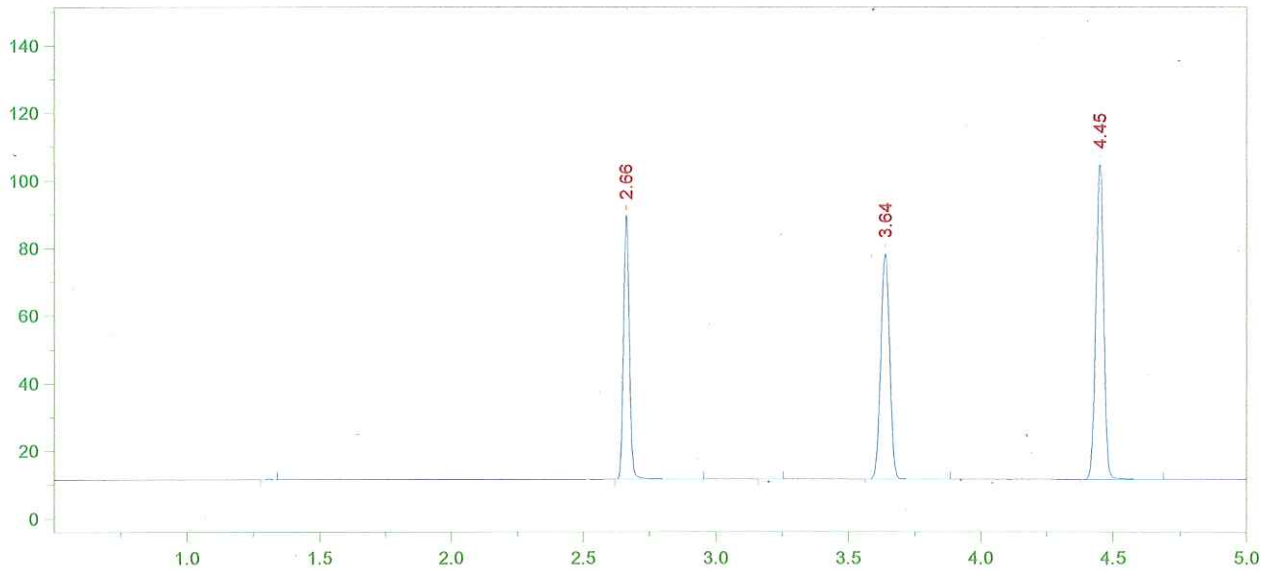
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	117704	0.1193	0.0973
4	3.64	t-Butanol	155540	0.9741	0.7950
5	4.46	n-Propanol	195583	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 12/21/2012 Today's Time = 8:09:36 AM
Bound File Name = VFL12202012.0024.RAW
Sample Name = RLM 0.10
Date Taken = 12/20/2012 10:02:24 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL12202012.CAL Calibration Version = 1

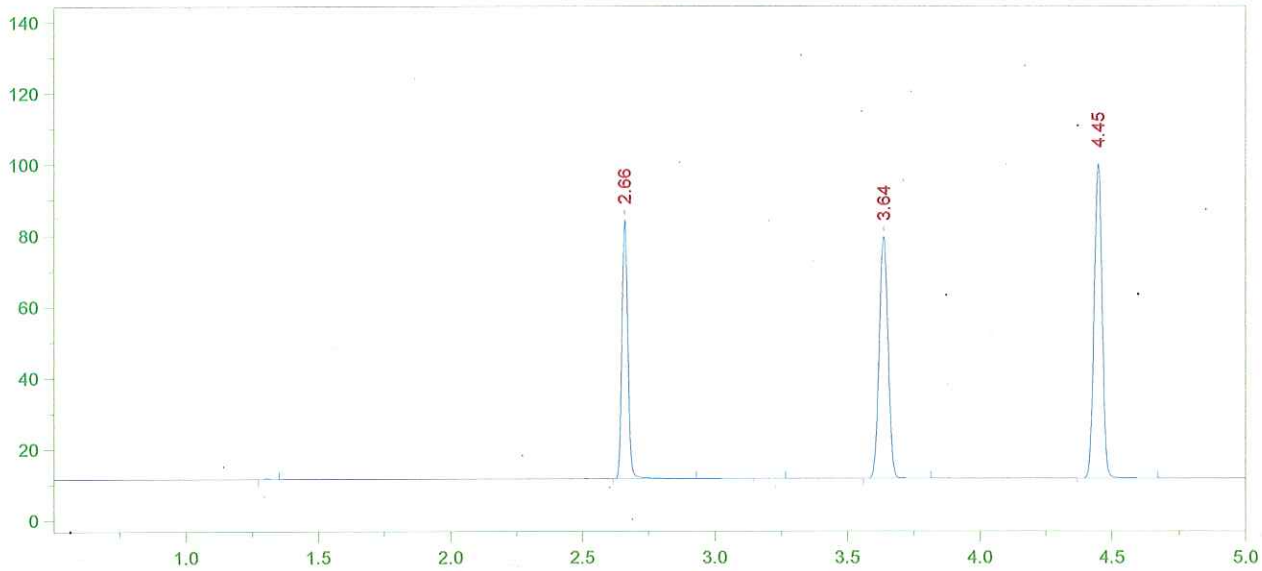
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	112971	0.1170	0.0955
4	3.64	t-Butanol	159257	1.0191	0.8318
5	4.45	n-Propanol	191415	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 12/21/2012 Today's Time = 8:09:44 AM
Bound File Name = VFL12202012.0025.RAW
Sample Name = RLM 0.10
Date Taken = 12/20/2012 10:16:07 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL12202012.CAL Calibration Version = 1

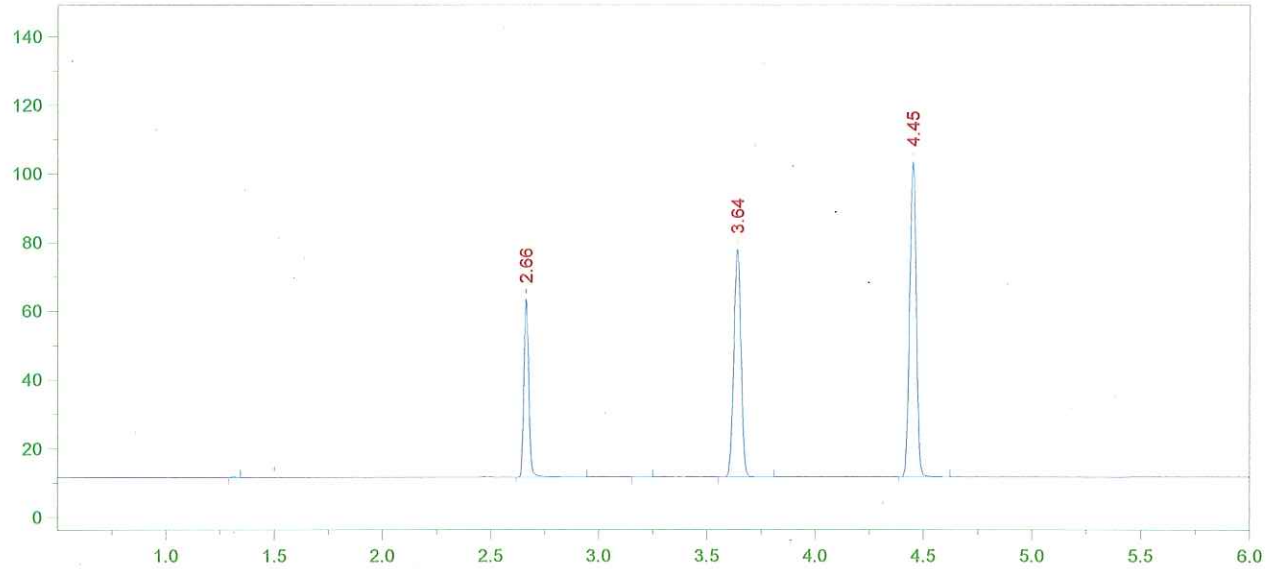
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	120211	0.1206	0.0984
4	3.64	t-Butanol	154494	0.9576	0.7816
5	4.45	n-Propanol	197615	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 12/21/2012
Today's Time = 8:09:52 AM
Bound File Name = VFL12202012.0026.RAW
Sample Name = RLM 0.10
Date Taken = 12/20/2012 10:33:48 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL12202012.CAL
Calibration Version = 1

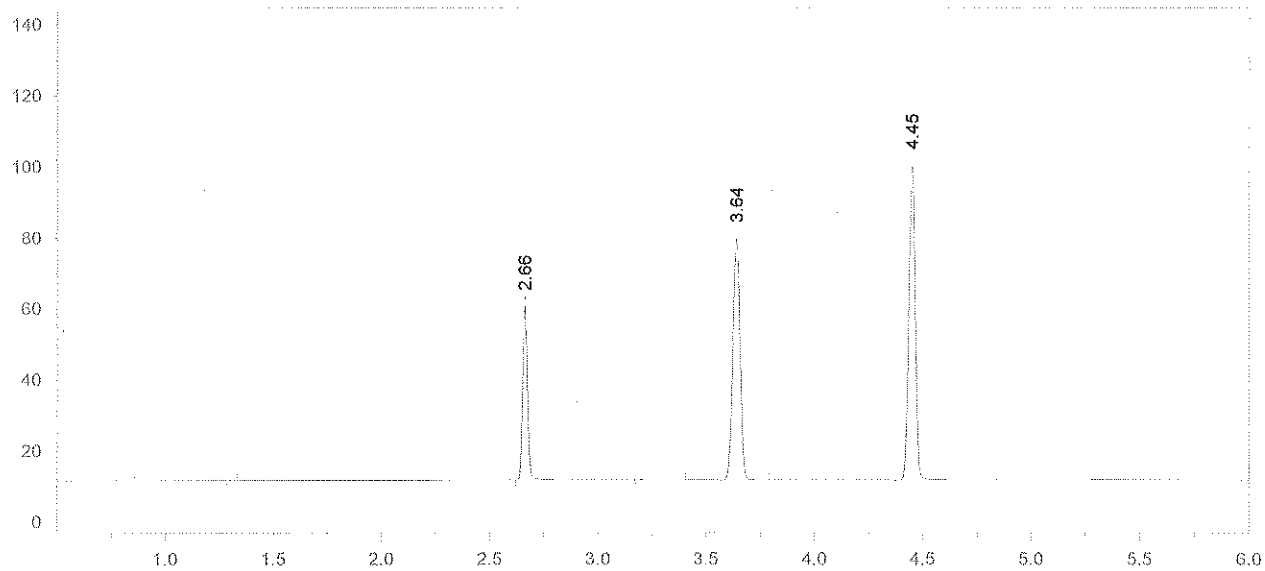
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	111808	0.1185	0.0967
4	3.64	t-Butanol	156202	1.0232	0.8351
5	4.45	n-Propanol	186984	1.0000	0.8162



Format File Name = AlcoholVFL.FMT

Today's Date = 12/21/2012
Today's Time = 8:09:59 AM
Bound File Name = VFL12202012.0027.RAW
Sample Name = CCS
Date Taken = 12/20/2012 10:47:36 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL12202012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	80405	0.0822
4	3.64	t-Butanol	153283	0.9686
5	4.45	n-Propanol	193837	1.0000

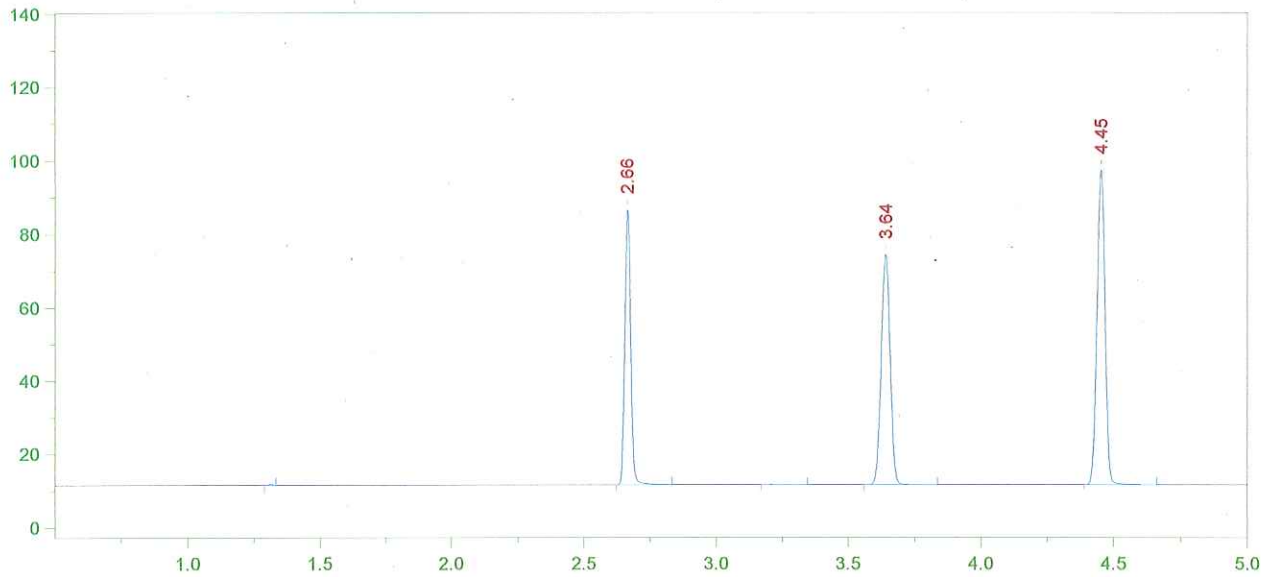


Format File Name = AlcoholVFL.FMT

Today's Date = 12/21/2012
Today's Time = 8:10:07 AM
Bound File Name = VFL12202012.0028.RAW
Sample Name = CCS
Date Taken = 12/20/2012 11:05:15 PM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL12202012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	75519	0.0799
4	3.64	t-Butanol	157476	1.0296
5	4.45	n-Propanol	187336	1.0000

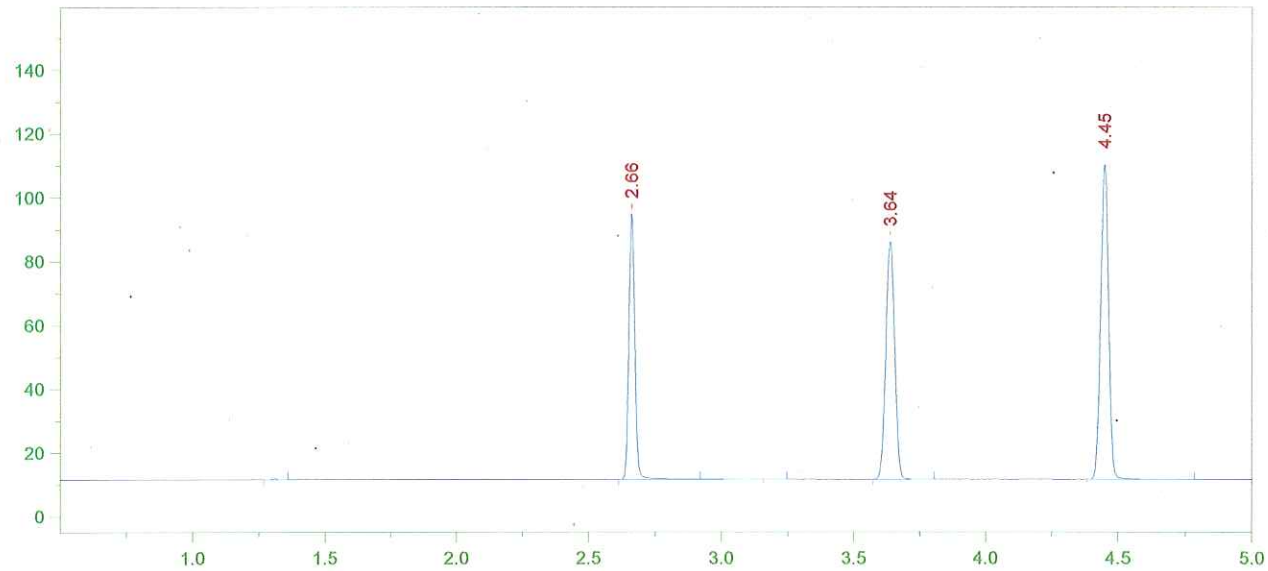
Avg #27 + #28 = 0.081
RZM 12/21/12



Format File Name = simsoln-JFH.met.FMT

Today's Date = 12/21/2012 Today's Time = 8:10:15 AM
Bound File Name = VFL12202012.0029.RAW
Sample Name = ALB 0.10
Date Taken = 12/20/2012 11:18:50 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL12202012.CAL Calibration Version = 1

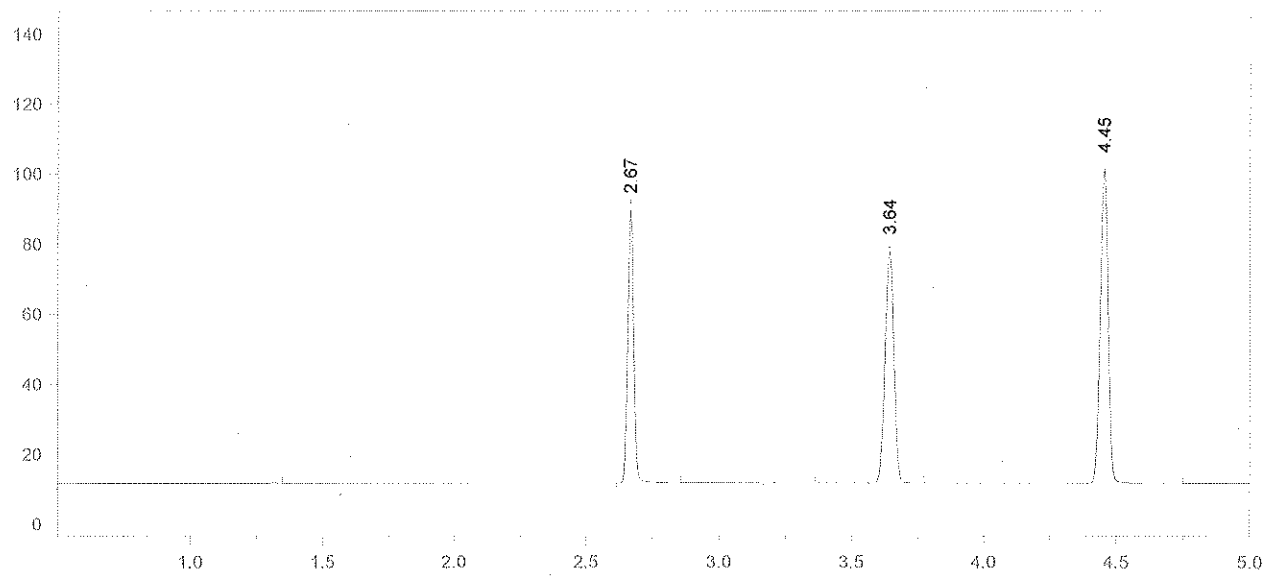
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	115632	0.1256	0.1025
4	3.64	t-Butanol	145033	0.9738	0.7949
5	4.45	n-Propanol	182415	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 12/21/2012
Today's Time = 8:10:23 AM
Bound File Name = VFL12202012.0030.RAW
Sample Name = ALB 0.10
Date Taken = 12/20/2012 11:34:57 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL12202012.CAL
Calibration Version = 1

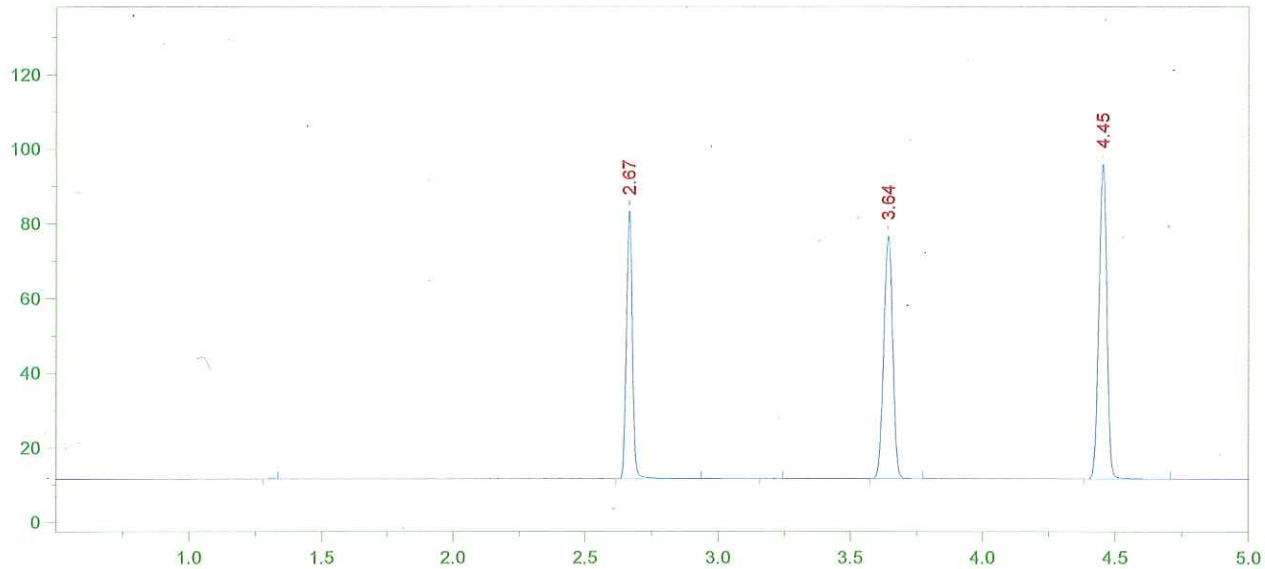
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	128649	0.1220	0.0996
4	3.64	t-Butanol	172070	1.0086	0.8232
5	4.45	n-Propanol	208959	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 12/21/2012 Today's Time = 8:10:30 AM
Bound File Name = VFL12202012.0031.RAW
Sample Name = ALB 0.10
Date Taken = 12/20/2012 11:50:30 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL12202012.CAL Calibration Version = 1

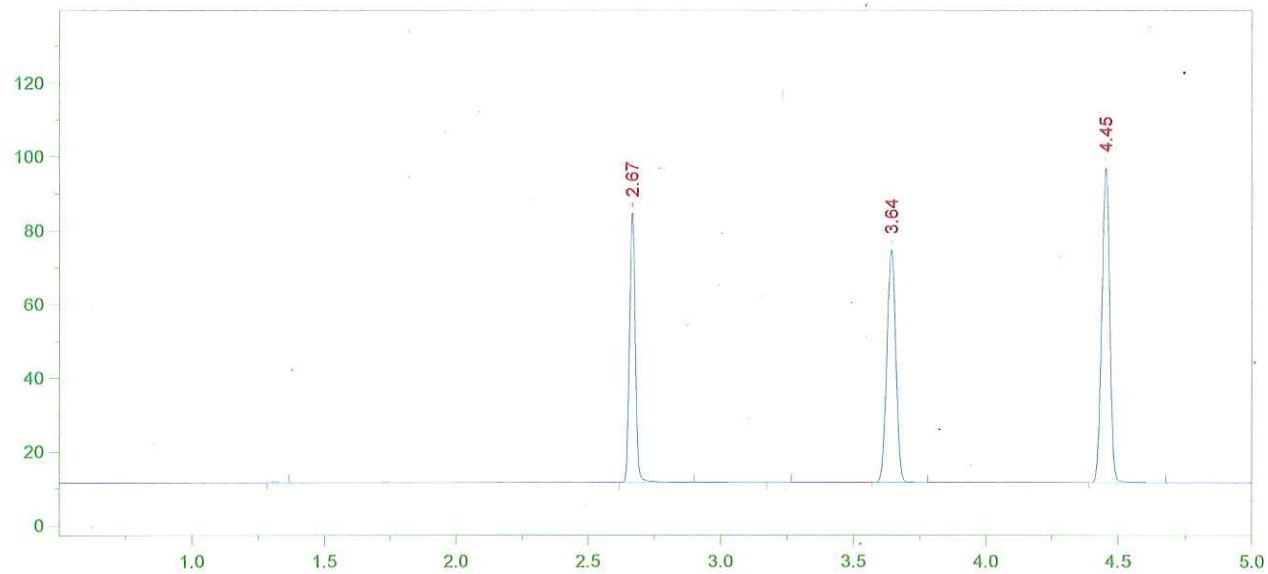
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	119465	0.1243	0.1015
4	3.64	t-Butanol	152694	0.9820	0.8015
5	4.45	n-Propanol	190464	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 12/21/2012 Today's Time = 8:10:38 AM
Bound File Name = VFL12202012.0032.RAW
Sample Name = ALB 0.10
Date Taken = 12/21/2012 12:06:30 AM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL12202012.CAL Calibration Version = 1

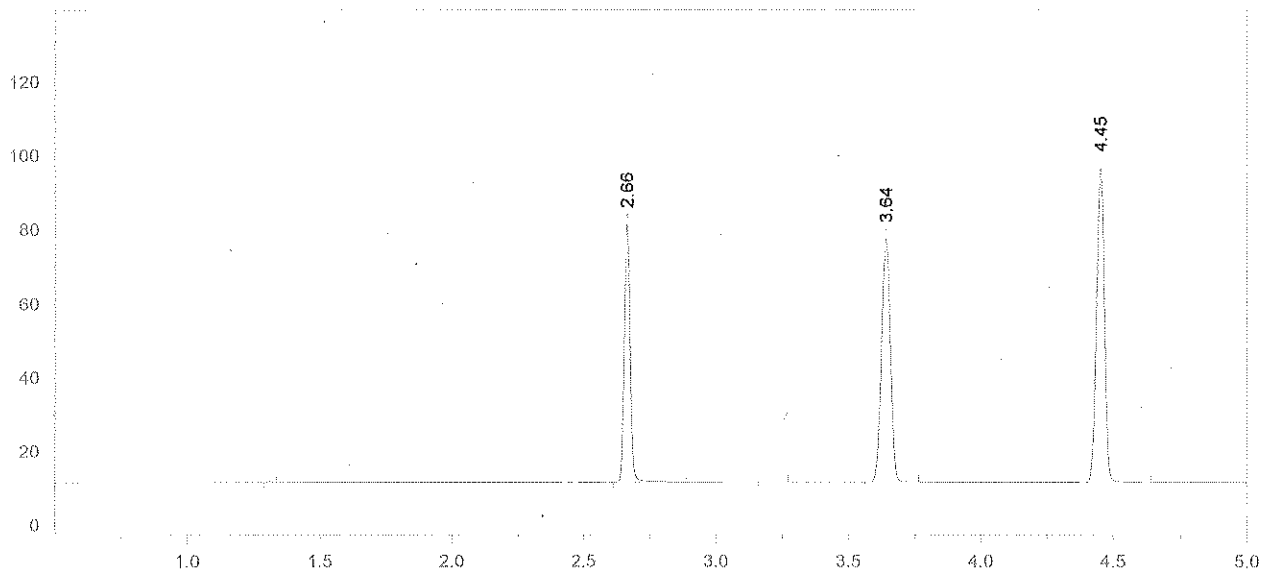
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	111324	0.1230	0.1004
4	3.64	t-Butanol	150719	1.0295	0.8403
5	4.45	n-Propanol	179314	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 12/21/2012 Today's Time = 8:10:45 AM
Bound File Name = VFL12202012.0033.RAW
Sample Name = ALB 0.10
Date Taken = 12/21/2012 12:20:16 AM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL12202012.CAL Calibration Version = 1

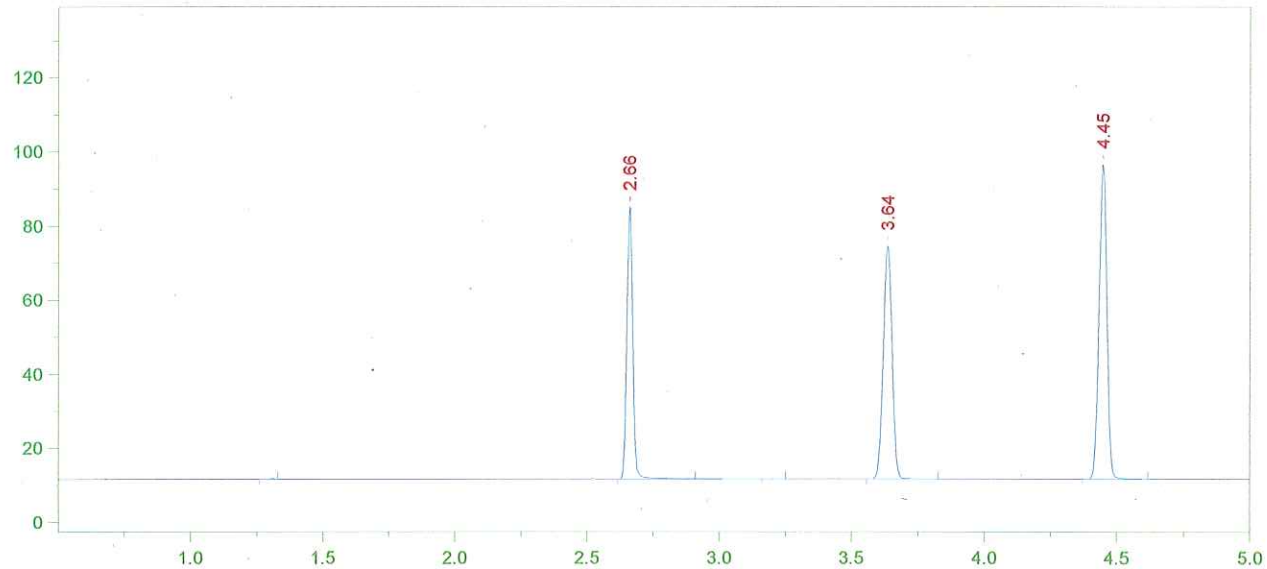
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	113660	0.1241	0.1013
4	3.64	t-Butanol	145421	0.9813	0.8009
5	4.45	n-Propanol	181522	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 12/21/2012 Today's Time = 8:10:53 AM
Bound File Name = VFL12202012.0034.RAW
Sample Name = ALB 0.10
Date Taken = 12/21/2012 12:37:57 AM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL12202012.CAL Calibration Version = 1

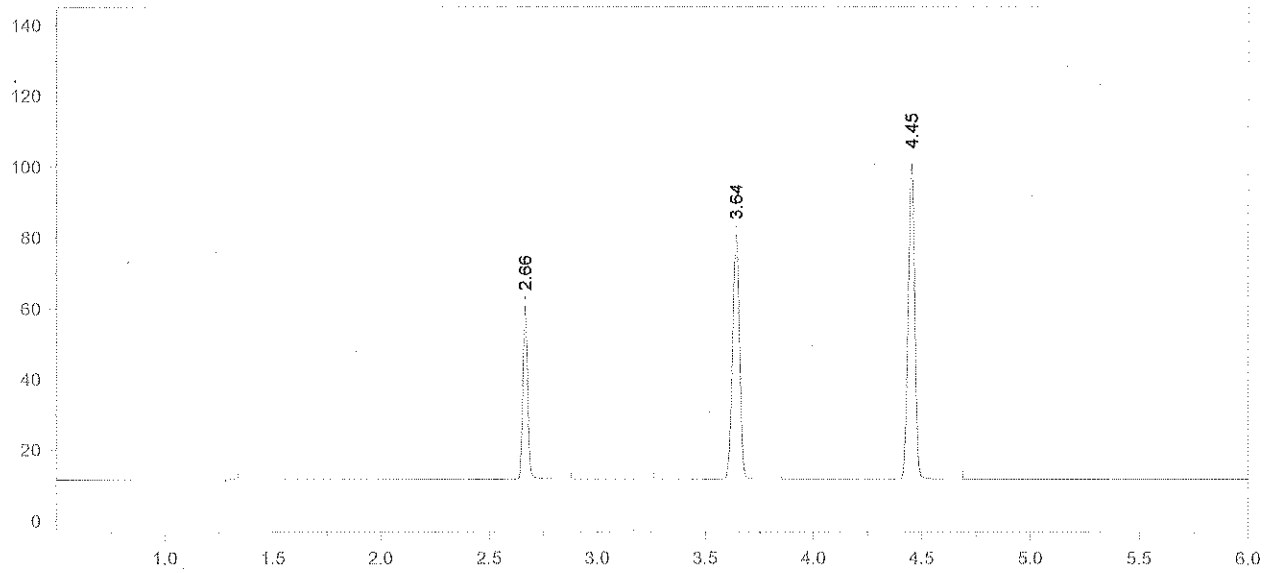
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	107736	0.1187	0.0969
4	3.64	t-Butanol	152351	1.0375	0.8468
5	4.45	n-Propanol	179856	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 12/21/2012 Today's Time = 8:11:00 AM
Bound File Name = VFL12202012.0035.RAW
Sample Name = ALB 0.10
Date Taken = 12/21/2012 12:51:33 AM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = VFL12202012.CAL Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	113000	0.1253	0.1022
4	3.64	t-Butanol	145084	0.9940	0.8113
5	4.45	n-Propanol	178771	1.0000	0.8162



Format File Name = AlcoholVFL.FMT

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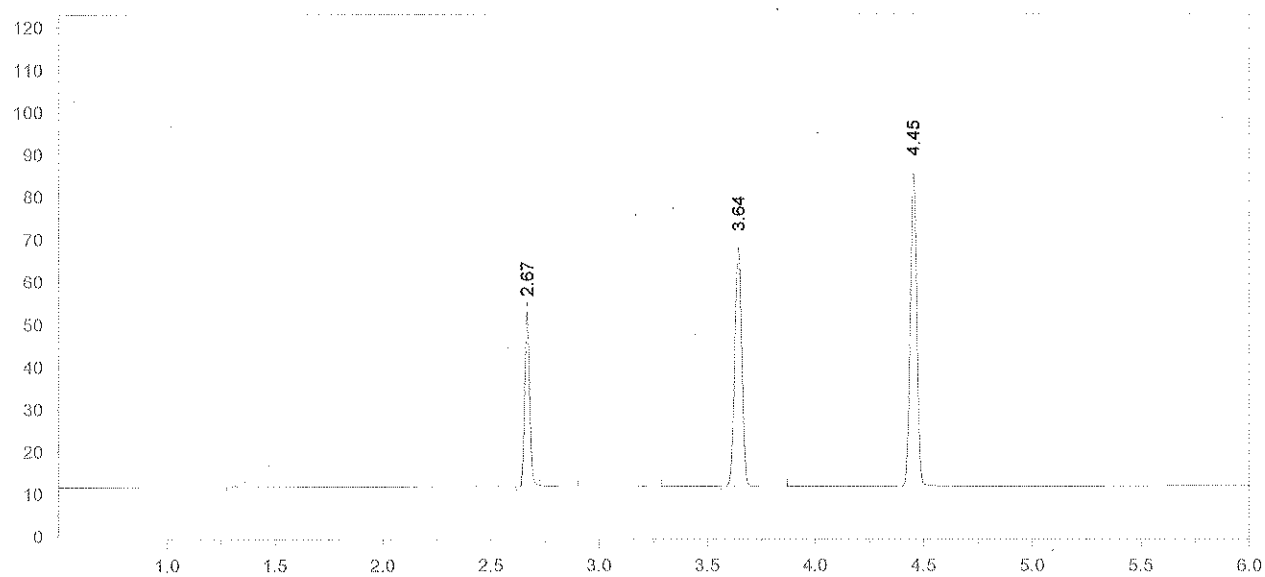
Today's Time = 8:11:08 AM
Bound File Name = VFL12202012.0036.RAW
Sample Name = CCS
Date Taken = 12/21/2012 1:09:25 AM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL12202012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.66	Ethanol	76152	0.0798
4	3.64	t-Butanol	159885	1.0357
5	4.45	n-Propanol	189093	1.0000



Format File Name = AlcoholVFL.FMT

Today's Date = 12/21/2012
Today's Time = 8:11:16 AM
Bound File Name = VFL12202012.0037.RAW
Sample Name = CCS
Date Taken = 12/21/2012 1:23:15 AM
VFL Headspace Alcohol
Method file = Blood Alc New VFL.MET
Calibration file = VFL12202012.CAL
Calibration Version = 1

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.67	Ethanol	64304	0.0812
4	3.64	t-Butanol	130481	1.0187
5	4.45	n-Propanol	156879	1.0000

Avg #36 + #37 = 0.080
RZM 12/21/12