VERMONT FORENSIC LABORATORY

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Certificate of Analysis of DataMaster External Standard Solution

On 04/24/2012, an ethanol solution was prepared by Trisha Conti for use as a DataMaster External Standard solution. The solution was prepared per standard laboratory practice and assigned the lot number 12-72-100 and an expiration date of 4/24/2013.

On 04/24/2012 and 04/25/2012, the solution was analyzed against calibration SimCal 042412 and SimCal 042512. 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 0.100 g/210L simulated breath ethanol concentration and approved for use as a DataMaster External Standard solution.

Dated at Waterbury, Vermont on Thursday, April 26, 2012.

Amanda Bolduc

0.1 Ext Std Solution 20L
Lot # 12-72-100
Prepared 04/24/2012 by TLC
Exp 04/24/2013

ALB CAL SimCal 04242012
ALB/TLCVials
Analyzed on 4/24/2012

0.1033 alb
0.1022
0.1030
0.1008
0.1037
0.0994
0.1039
0.0993 tlc
0.1006
0.0992
0.1012
0.0995
0.1015
0.0996

Ave. = 0.1012
Std Dev. = 0.0017
Range = 0.0992 - 0.1039

TLC CAL SimCal04252012
ALB/TLC Vials
Analyzed on 4/25/12

0.0975 tlc
0.1002
0.0982
0.1001
0.0979
0.1006
0.0978
0.0989 alb
0.0991
0.1011
0.0995
0.1012
0.0982
0.1000

Ave. = 0.0993
Std Dev. = 0.0013
Range = 0.0975 - 0.1012

Total Values from Both Runs

Average	**Mean**
0.1033	0.0975
0.1022	0.0978
0.1030	0.0979
0.1008	0.0982
0.1037	0.0989
0.0994	0.0991
0.1039	0.0992
0.0993	0.0993
0.1006	0.0994
0.0992	0.0995
0.1012	0.0996
0.0995	0.1000
0.1015	0.1001
0.0996	0.1002
0.0975	0.1006
0.1002	0.1008
0.0982	0.1011
0.1001	0.1012
0.0979	0.1015
0.1006	0.1022
0.0978	0.1030
0.0989	0.1033
0.0991	0.1037
0.1011	0.1039
0.0995	
0.1012	
0.0982	
0.1000	
Ave. =	0.1003
Std Dev. =	0.0018
Range =	0.0975 - 0.1039
Mean =	0.1003
Mean Std Dev. =	0.0019
RPD (Mean to Ave.)=	0.00%

TLCA 4/26/2012

Headspace Alcohol Analysis Standards Coversheet

Analyst: AUB Date: 4/24/12

Calibration Standards:

Lot ID: ES-03052012 Preparation Date: 03/05/2012* Expiration Date: 06/05/2012_

*Standard E was re-prepared on 3/7/2012

	Standard A	Standard B	Standard C	Standard D	Standard E	Calibration Check
% Ethanol (w/v)	0.005	0.022	0.082	0.202	0.409	
Acceptance Range (± 10%)	0.006	0.024	0.090	0.222	0.450	
	0.004	0.020	0.074	0.182	0.368	

Control Sample:

Sample	Source	Lot number	Target Value	Acceptance Range	
~~Whole Blood~~ AQ	~~Cliniqa~~ Cerilliant	~~091120A~~ FN111711-01	~~0.076~~ 0.100	~~0.068~~ 0.090	~~0.083~~ 0.110

Calibration and Control Sample Data:

Vial No.	Sample Identification		Result	In Range?	Comments
1/2	Blank		<0.005 / <0.005	Y N	
2/3	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		
3/4	Standard A		0.0055	Y N	
4/5	Standard B		0.022	Y N	
5/6	Standard C		0.080	Y N	
6/7	Standard D		0.207	Y N	
7/8	Standard E		0.407	Y N	
8/9	~~Whole Blood Control~~ AQ		0.1020	Y N	
9/10	~~Whole Blood Control~~ AQ		0.0999	Y N	$\bar{x}$ = 0.101 ✓

ELCA 4/26/2012

File Name: C:\Methods\SimCal 04242012.cal
Version: 7

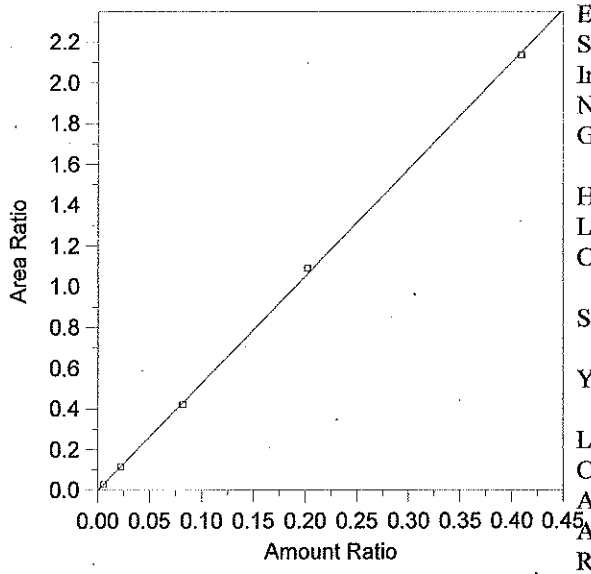
Creator:
Description:
Reason for change:

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

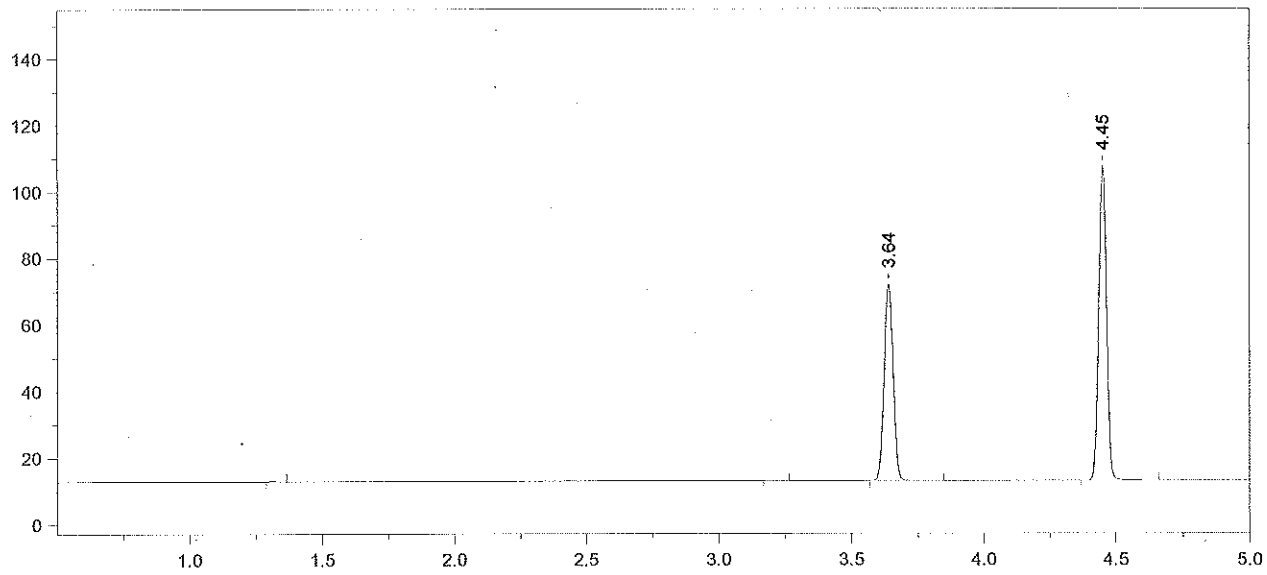
High alarm limit: 0
Low alarm limit: 0
Component constant: 0

Single peak quantification by area

Y = 5.248651 X + 0

Linear fit with equal weighting, forced to origin
Coefficient of determination: 0.9996684
Average error: 1.277%
Average CF: 5.252285
RSD: 1.855%

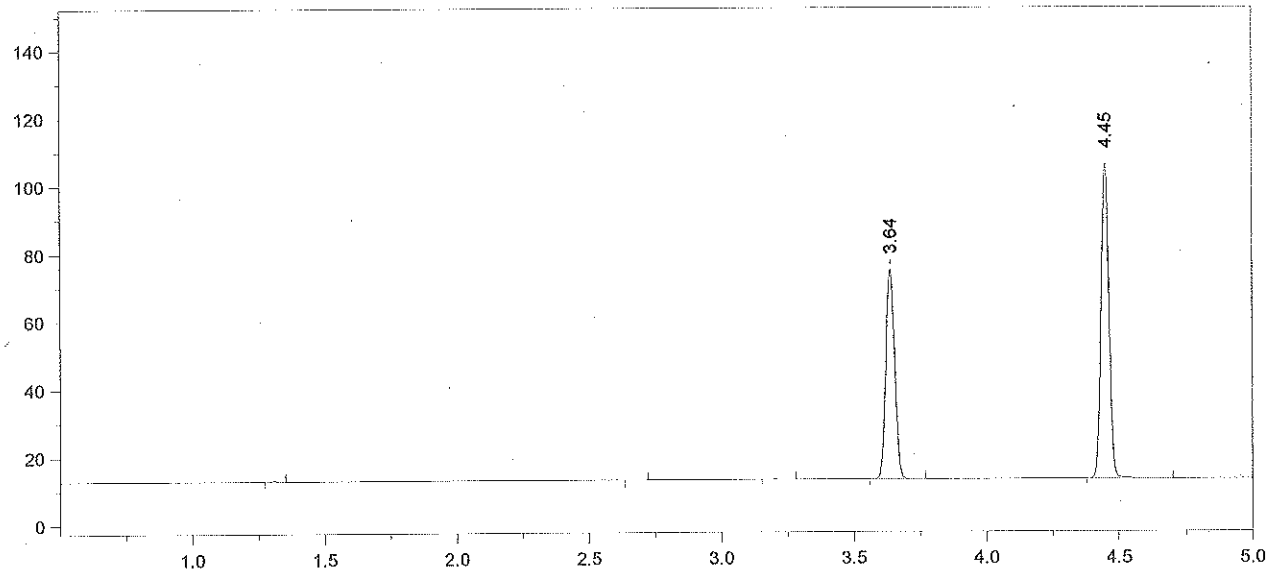
Level	Amount	Response	Cal Factor	Error, %	Amount Ratio	Response Ratio	Source	Date and time
1	(0.088)	(85146)	--	--	0.088	85146	Manual	2/24/2012 1:50:47 PM
2	0.0055	5367.267	975866.8	0.012	0.0055	2.887118E-02	C:\Alcohol Data\SIM04242012\SIM04242012.0004.BND	4/24/2012 4:17:25 PM
3	0.022	22316.23	1014374	0.740	0.022	0.1163249	C:\Alcohol Data\SIM04242012\SIM04242012.0005.BND	4/24/2012 4:31:43 PM
4	0.082	78933.73	962606.4	-2.479	0.082	0.4197212	C:\Alcohol Data\SIM04242012\SIM04242012.0006.BND	4/24/2012 4:48:47 PM
5	0.202	205095.1	1015322	2.612	0.202	1.08792	C:\Alcohol Data\SIM04242012\SIM04242012.0007.BND	4/25/2012 7:06:50 AM
6	0.409	391604	957467	-0.540	0.409	2.135114	C:\Alcohol Data\SIM04242012\SIM04242012.0008.BND	4/25/2012 7:06:58 AM



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/25/2012 Today's Time = 7:11:46 AM
Bound File Name = SIM04242012.0001.RAW
Sample Name = Blank
Date Taken = 4/24/2012 3:30:00 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04242012.cal Calibration Version = 7

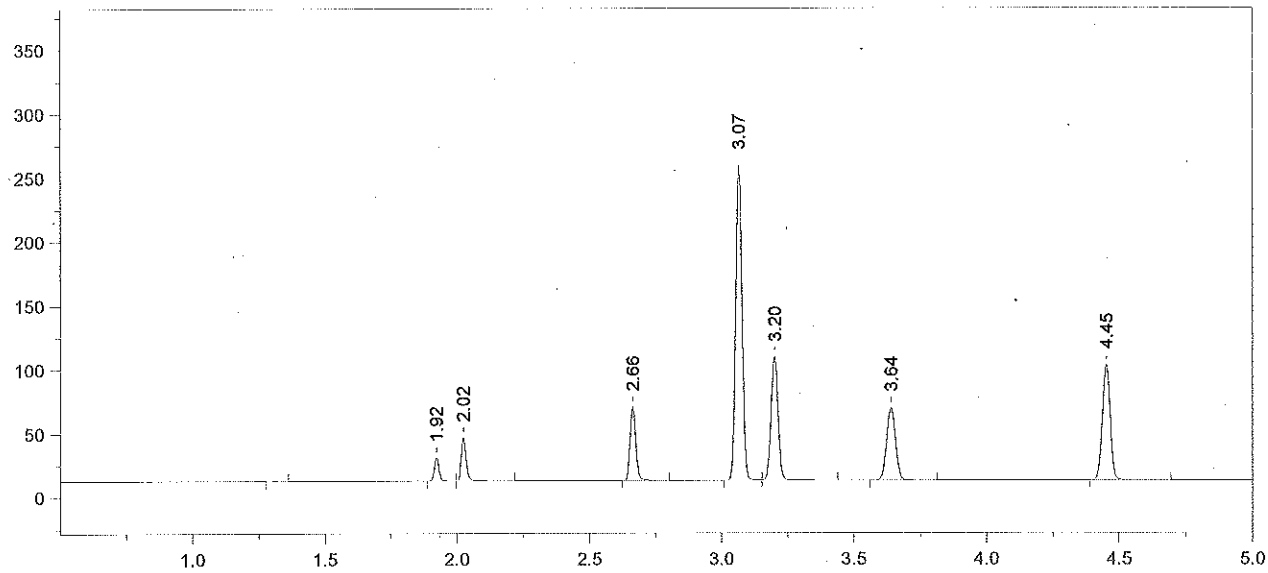
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	3.64	t-Butanol	136448	0.9621	0.7853
4	4.45	n-Propanol	200668	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/25/2012
Today's Time = 7:11:52 AM
Bound File Name = SIM04242012.0002.RAW
Sample Name = Blank
Date Taken = 4/24/2012 3:45:44 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04242012.cal
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
4	3.64	t-Butanol	143055	1.0251	0.8367
5	4.45	n-Propanol	197454	1.0000	0.8162



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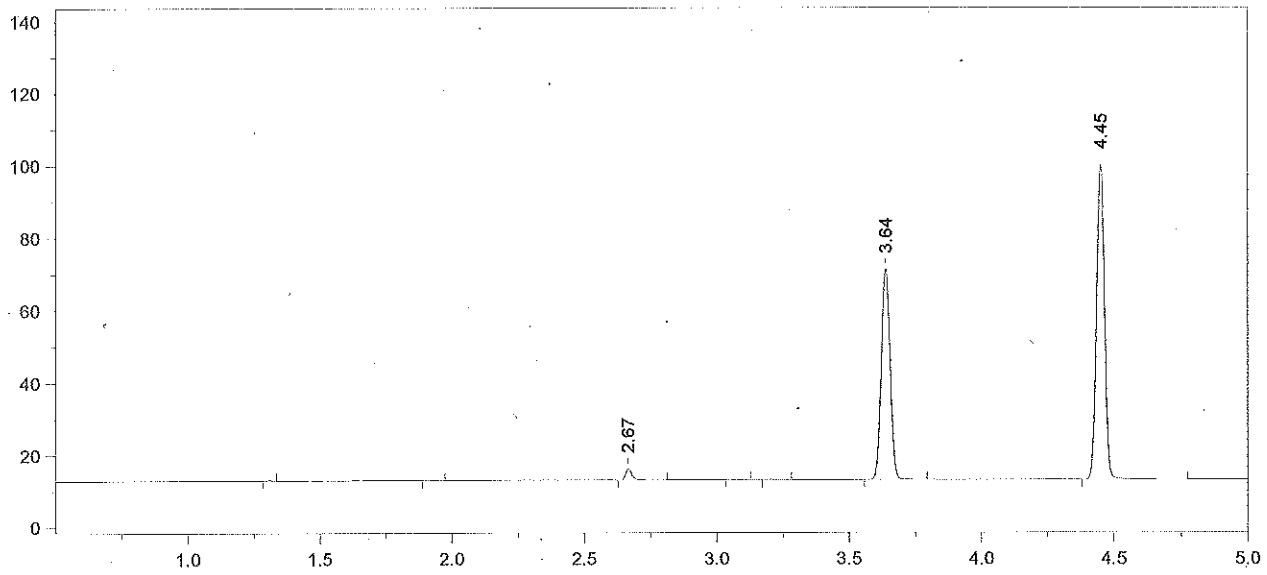
Today's Date = 4/25/2012 Today's Time = 7:11:57 AM
Bound File Name = SIM04242012.0003.RAW
Sample Name = TMX
Date Taken = 4/24/2012 4:01:14 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04242012.cal Calibration Version = 7

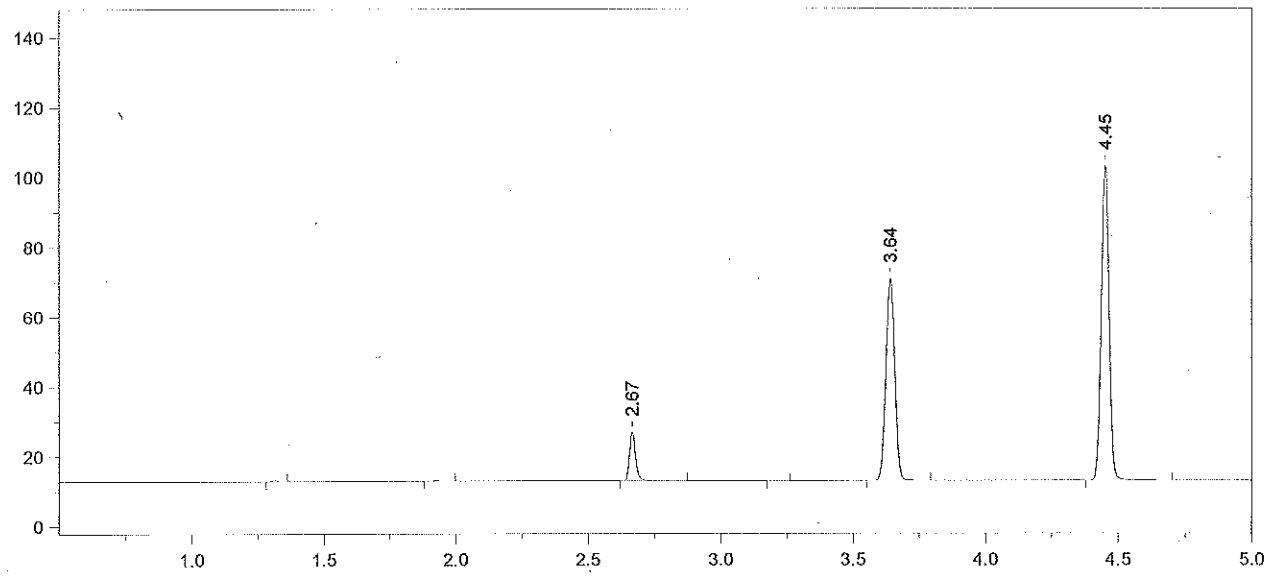
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	1.92	Acetaldehyde	21354	0.0650	0.0531
3	2.02	Methanol	42896	0.0890	0.0726
4	2.66	Ethanol	88380	0.0880	0.0718
5	3.07	Acetone	417474	0.1030	0.0841
6	3.20	Isopropanol	180857	0.0910	0.0743
7	3.64	t-Butanol	130580	0.9652	0.7878
8	4.45	n-Propanol	191413	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/25/2012
Today's Time = 7:12:04 AM
Bound File Name = SIM04242012.0004.RAW
Sample Name = STD A
Date Taken = 4/24/2012 4:17:15 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04242012.cal
Calibration Version = 7

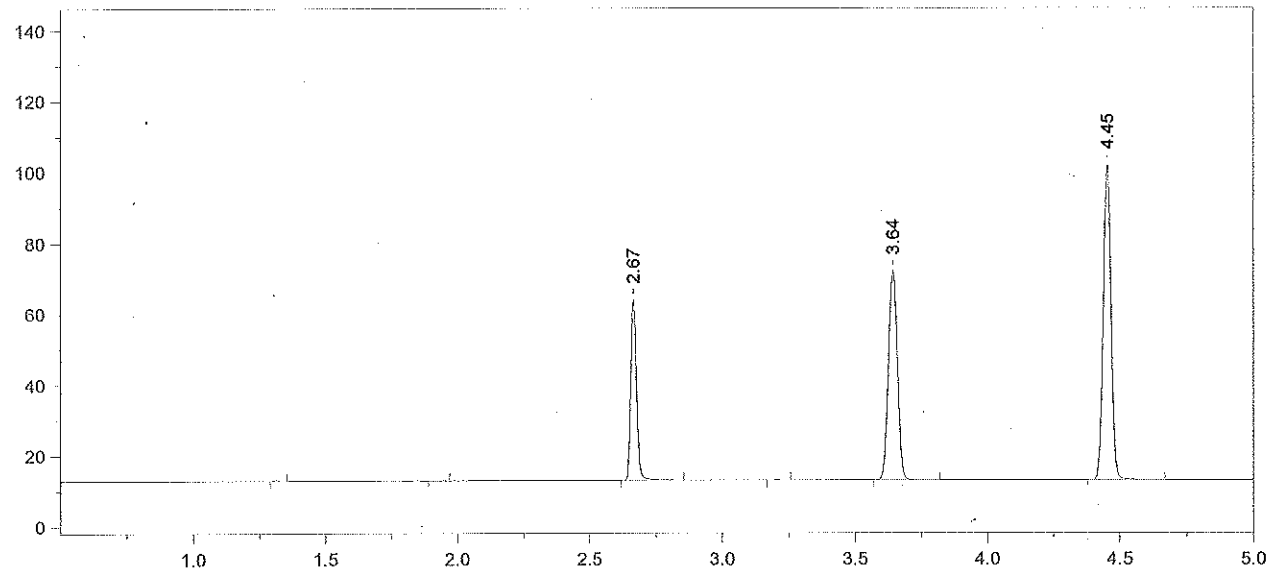
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	2.67	Ethanol	05367	0.0055	0.0045
6	3.64	t-Butanol	134928	1.0269	0.8382
7	4.45	n-Propanol	185904	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/25/2012
Today's Time = 7:12:11 AM
Bound File Name = SIM04242012.0005.RAW
Sample Name = STD B
Date Taken = 4/24/2012 4:31:33 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04242012.cal
Calibration Version = 7

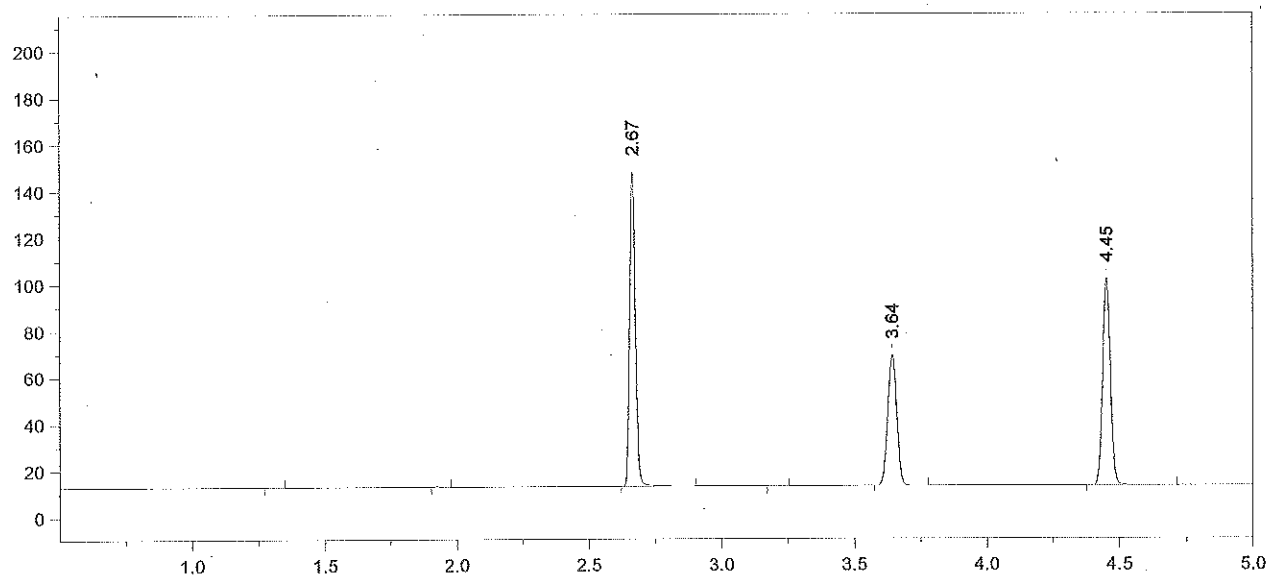
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	2.67	Ethanol	22316	0.0222	0.0181
5	3.64	t-Butanol	133030	0.9811	0.8008
6	4.45	n-Propanol	191844	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/25/2012
Today's Time = 7:12:19 AM
Bound File Name = SIM04242012.0006.RAW
Sample Name = STD C
Date Taken = 4/24/2012 4:48:42 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04242012.cal
Calibration Version = 7

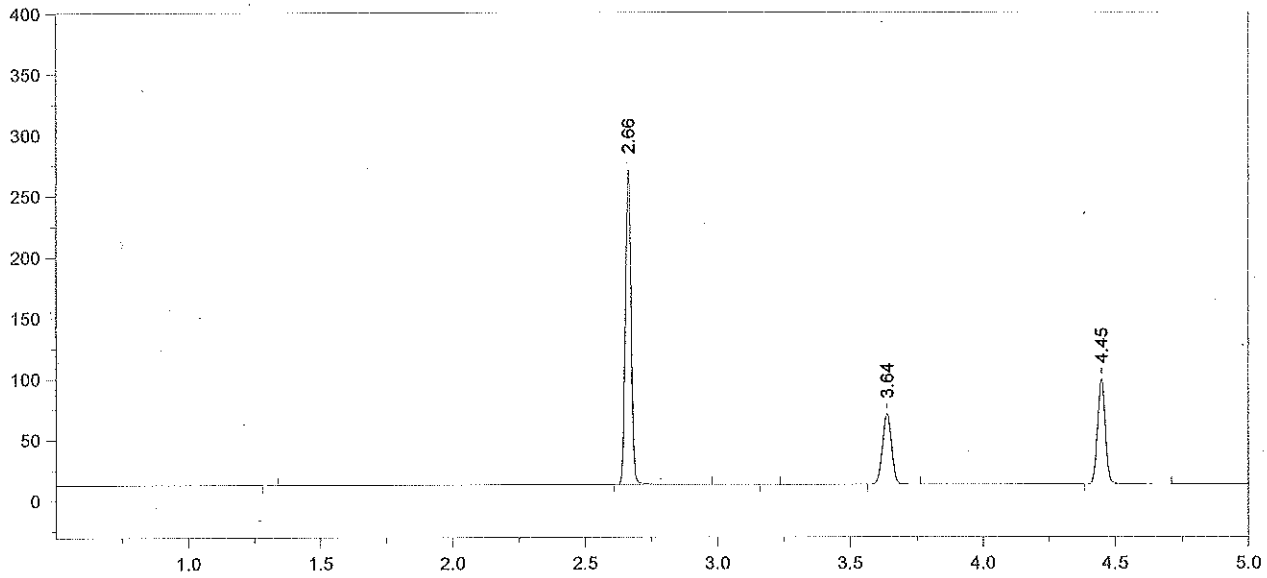
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	2.67	Ethanol	78934	0.0800	0.0653
5	3.64	t-Butanol	136427	1.0264	0.8378
6	4.45	n-Propanol	188062	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/25/2012
Today's Time = 7:12:26 AM
Bound File Name = SIM04242012.0007.RAW
Sample Name = STD D
Date Taken = 4/24/2012 5:01:55 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04242012.cal
Calibration Version = 7

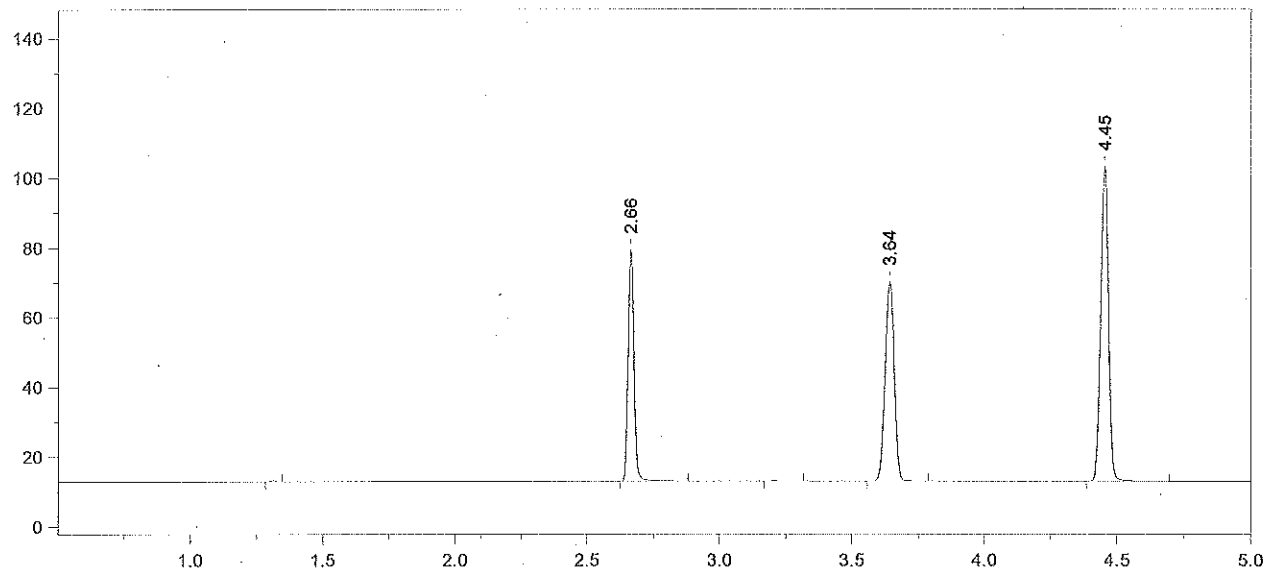
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	2.67	Ethanol	205095	0.2073	0.1692
5	3.64	t-Butanol	129848	0.9746	0.7954
6	4.45	n-Propanol	188520	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/25/2012
Today's Time = 7:12:33 AM
Bound File Name = SIM04242012.0008.RAW
Sample Name = STD E
Date Taken = 4/24/2012 5:20:07 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04242012.cal
Calibration Version = 7

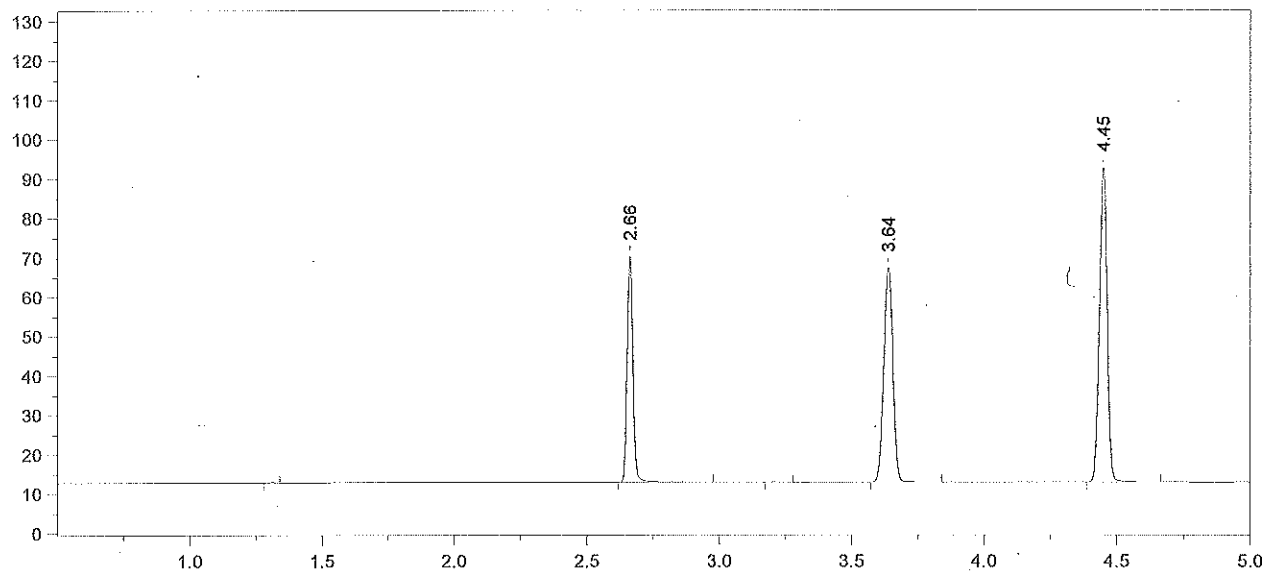
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	391604	0.4068	0.3320
4	3.64	t-Butanol	132960	1.0257	0.8372
5	4.45	n-Propanol	183411	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/25/2012 Today's Time = 7:07:03 AM
Bound File Name = SIM04242012.0009.RAW
Sample Name = AQ QC
Date Taken = 4/24/2012 5:33:52 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04242012.cal Calibration Version = 7

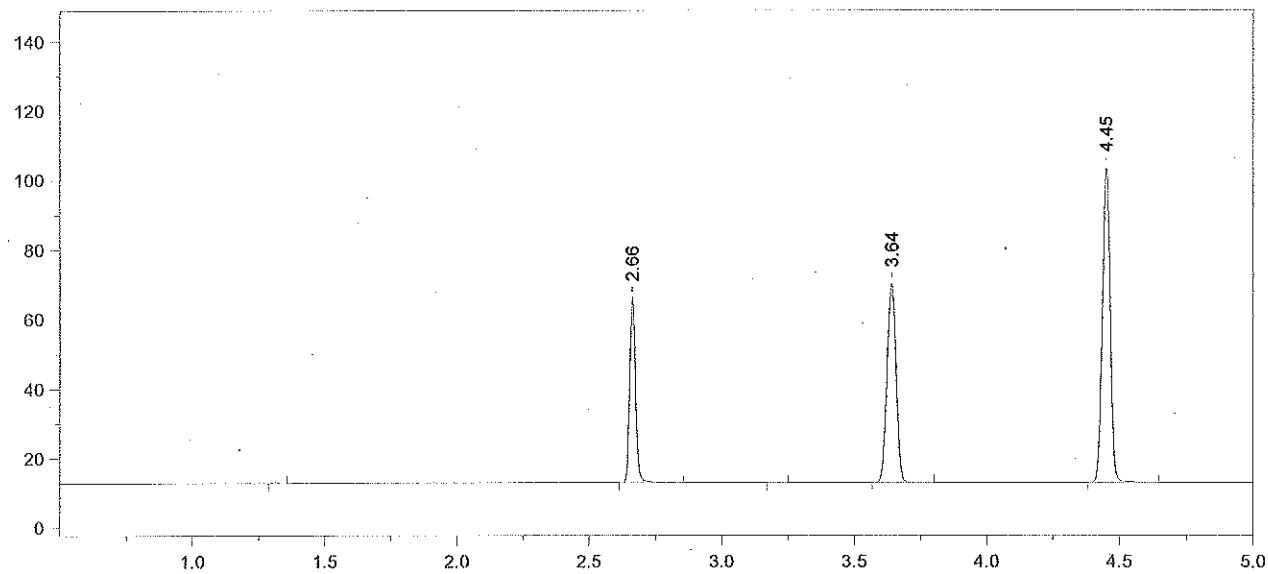
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	102840	0.1020	0.0832
4	3.64	t-Butanol	132451	0.9753	0.7960
5	4.45	n-Propanol	192161	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/25/2012 Today's Time = 7:07:10 AM
Bound File Name = SIM04242012.0010.RAW
Sample Name = AQ QC
Date Taken = 4/24/2012 5:51:24 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04242012.cal Calibration Version = 7

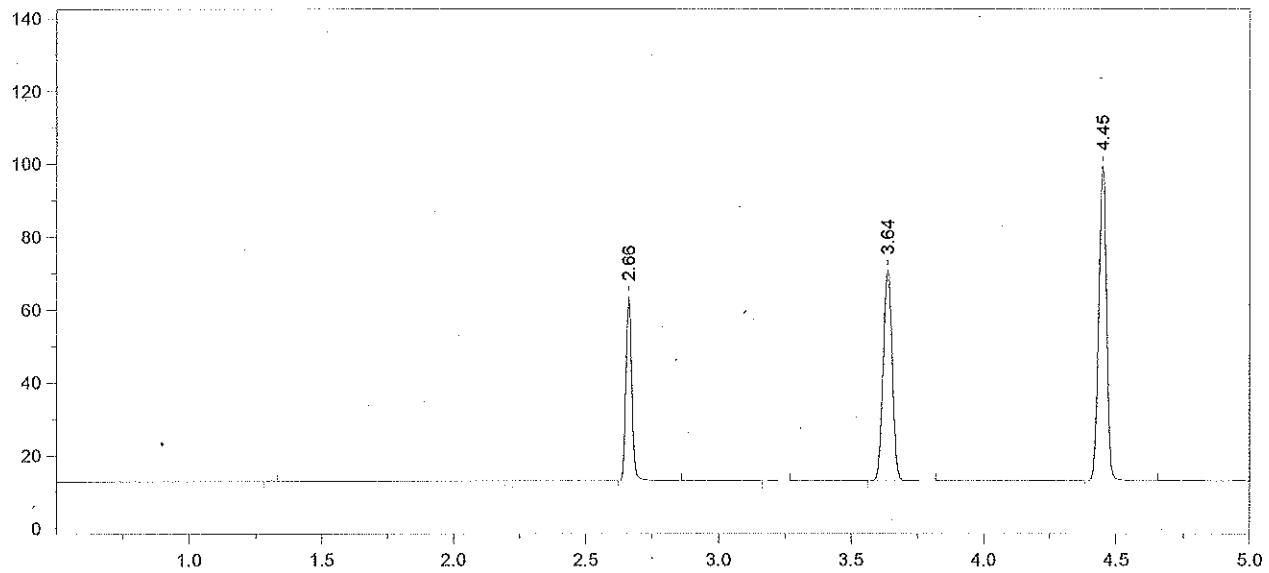
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	88810	0.0999	0.0816
4	3.64	t-Butanol	125792	1.0511	0.8579
5	4.45	n-Propanol	169333	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/25/2012
Today's Time = 7:07:16 AM
Bound File Name = SIM04242012.0011.RAW
Sample Name = CCS
Date Taken = 4/24/2012 6:05:16 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04242012.cal
Calibration Version = 7

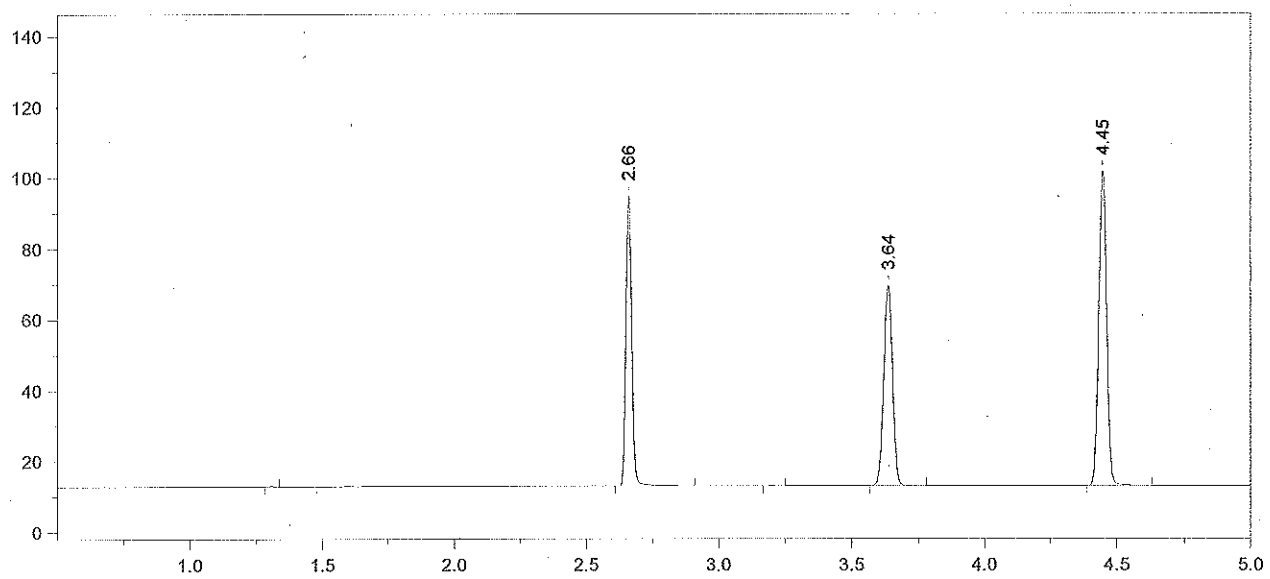
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	82190	0.0819	0.0669
4	3.64	t-Butanol	132039	0.9775	0.7978
5	4.45	n-Propanol	191129	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/25/2012 Today's Time = 7:07:24 AM
Bound File Name = SIM04242012.0012.RAW
Sample Name = CCS
Date Taken = 4/24/2012 6:22:50 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04242012.cal Calibration Version = 7

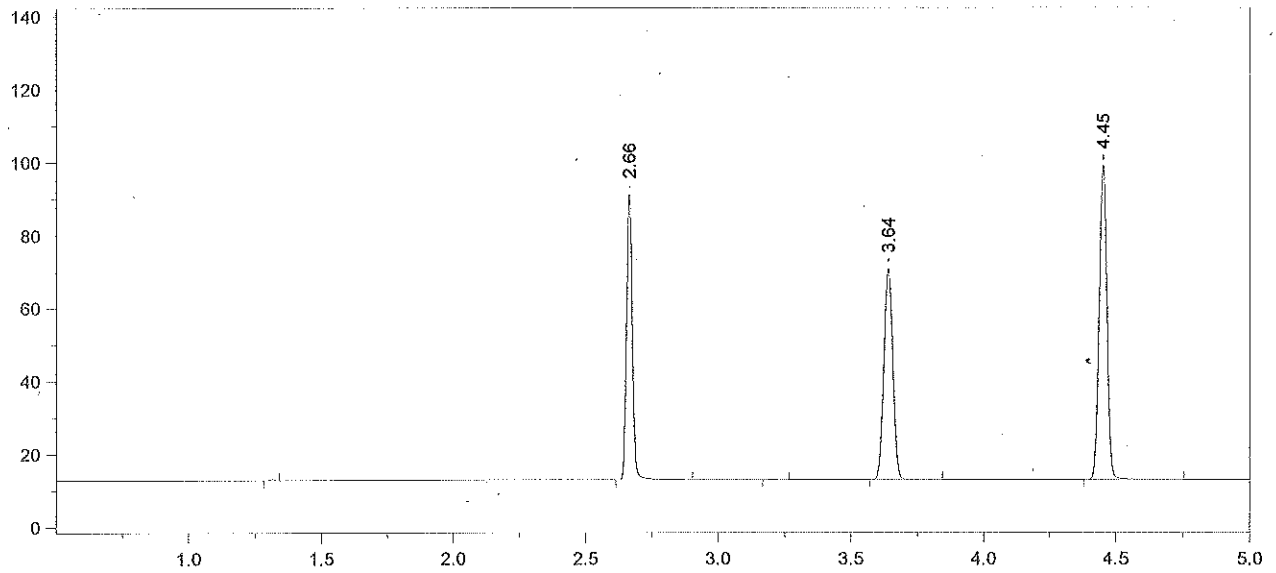
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	77894	0.0809 ✓	0.0660
4	3.64	t-Butanol	133539	1.0298	0.8405
5	4.45	n-Propanol	183486	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/25/2012
Today's Time = 7:07:30 AM
Bound File Name = SIM04242012.0013.RAW
Sample Name = 0.10 Ext Std ALB
Date Taken = 4/24/2012 6:36:34 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04242012.cal
Calibration Version = 7

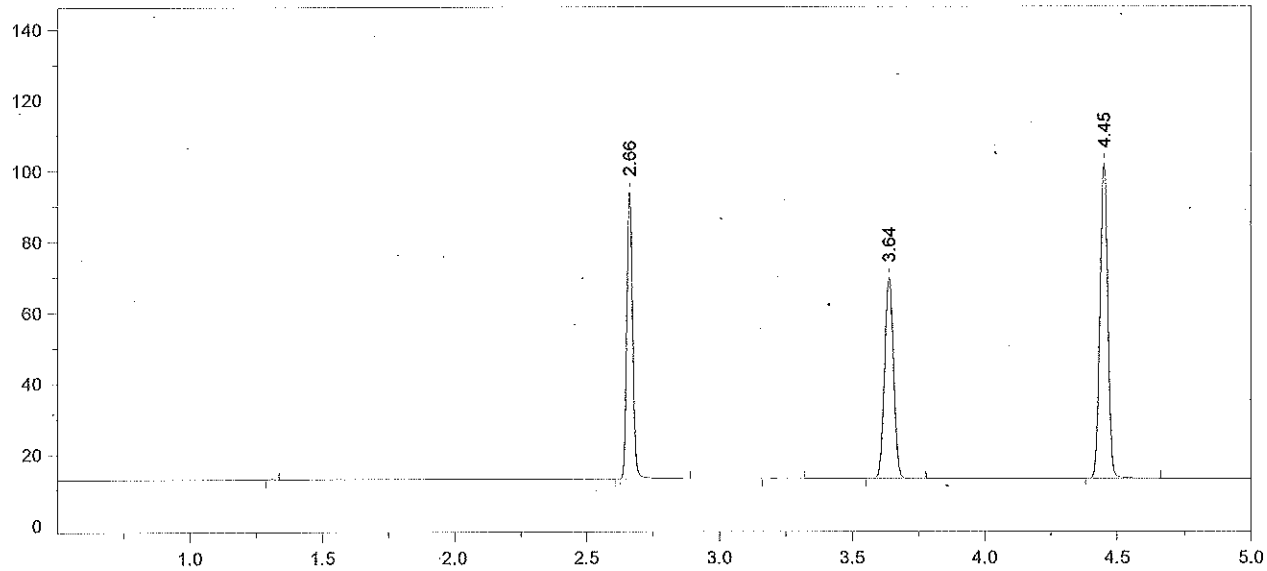
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	125225	0.1266	0.1033
4	3.64	t-Butanol	130293	0.9780	0.7983
5	4.45	n-Propanol	188491	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/25/2012
Today's Time = 7:07:38 AM
Bound File Name = SIM04242012.0014.RAW
Sample Name = 0.10 Ext Std ALB
Date Taken = 4/24/2012 6:54:17 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04242012.cal
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	120261	0.1253	0.1022
4	3.64	t-Butanol	133390	1.0318	0.8422
5	4.45	n-Propanol	182911	1.0000	0.8162



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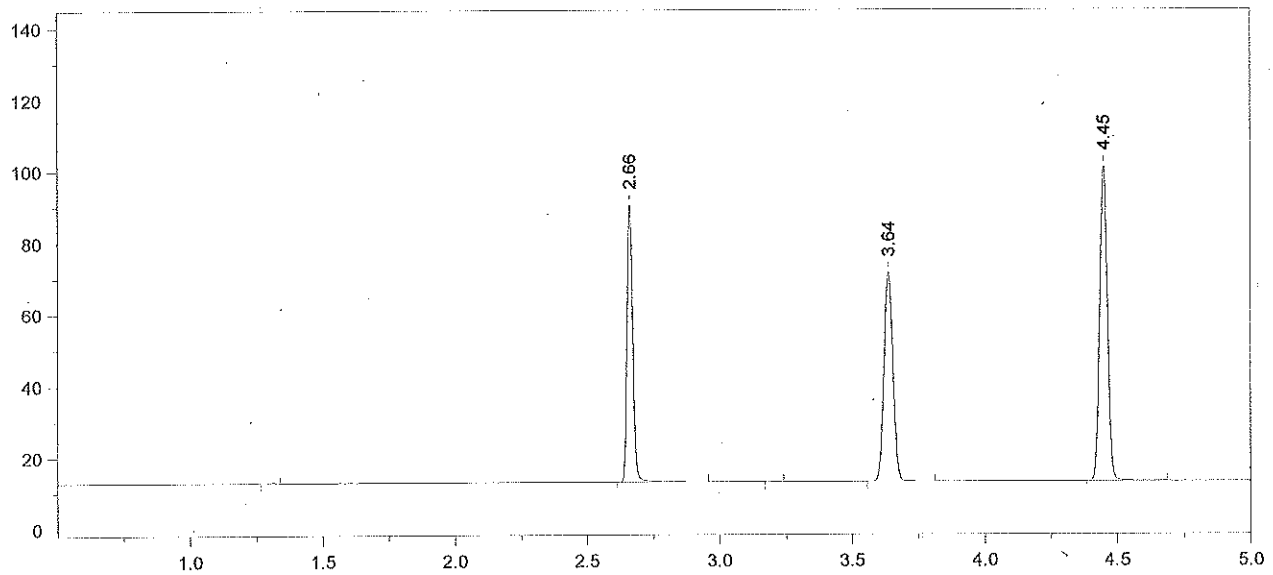
Today's Date = 4/25/2012
Today's Time = 7:07:44 AM
Bound File Name = SIM04242012.0015.RAW
Sample Name = 0.10 Ext Std ALB
Date Taken = 4/24/2012 7:08:06 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04242012.cal
Calibration Version = 7

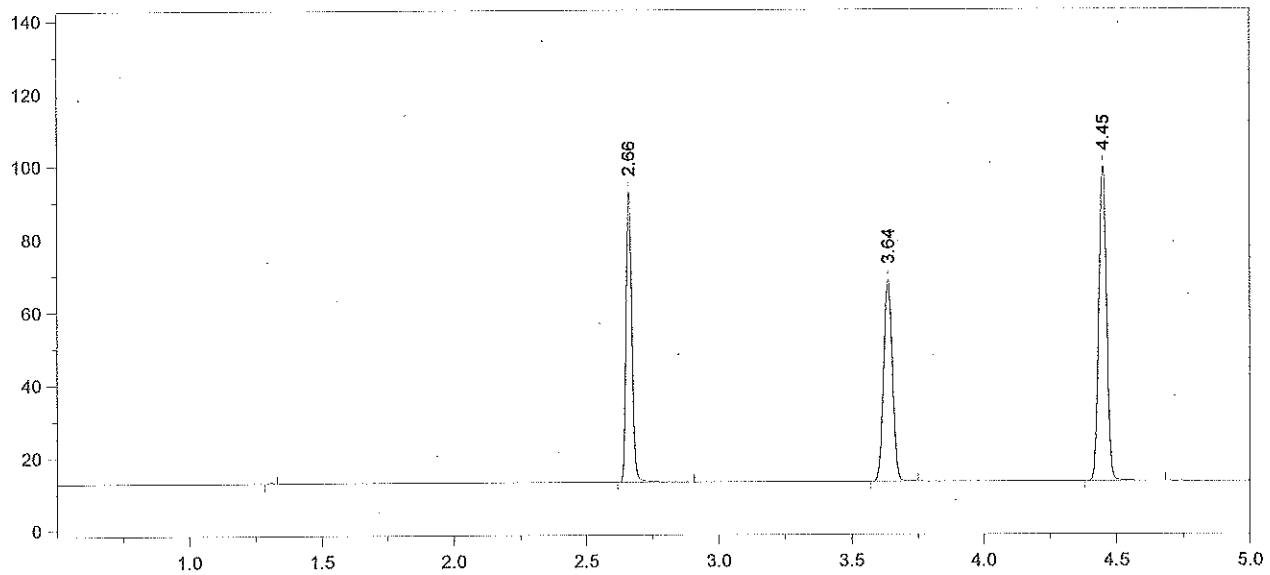
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	125143	0.1262	0.1030
4	3.64	t-Butanol	131159	0.9819	0.8014
5	4.45	n-Propanol	189002	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/25/2012
Today's Time = 7:07:54 AM
Bound File Name = SIM04242012.0016.RAW
Sample Name = 0.10 Ext Std ALB
Date Taken = 4/24/2012 7:25:42 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04242012.cal
Calibration Version = 7

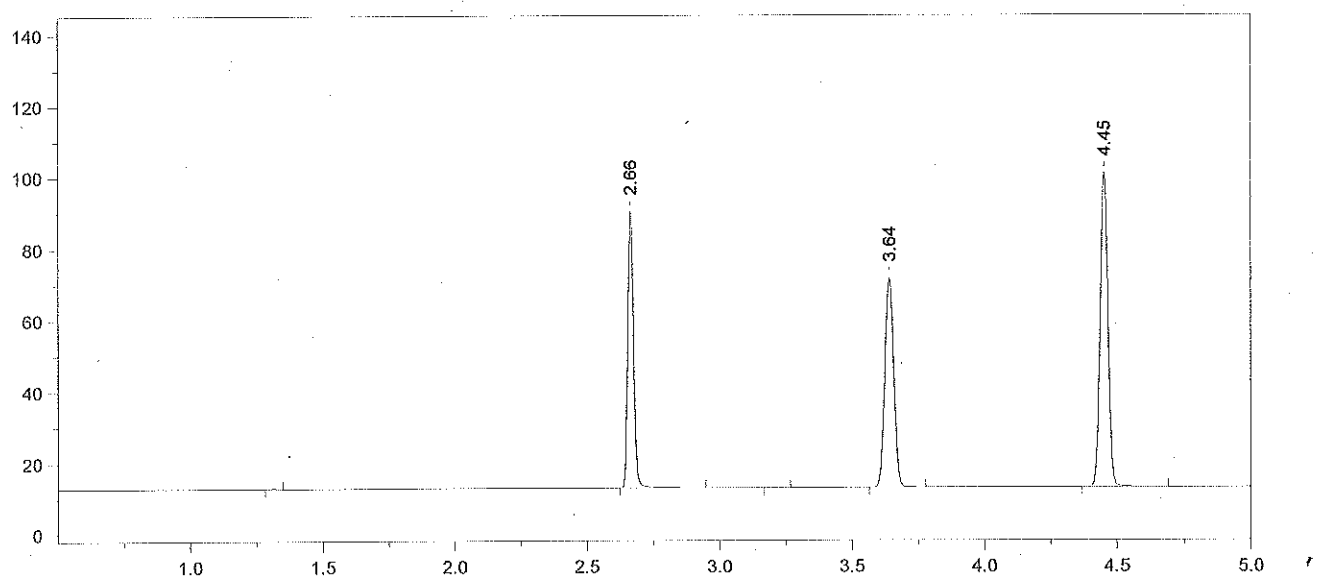
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	120227	0.1236	0.1008
4	3.64	t-Butanol	135719	1.0358	0.8454
5	4.45	n-Propanol	185392	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/25/2012
Today's Time = 7:08:01 AM
Bound File Name = SIM04242012.0017.RAW
Sample Name = 0.10 Ext Std ALB
Date Taken = 4/24/2012 7:39:22 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04242012.cal
Calibration Version = 7

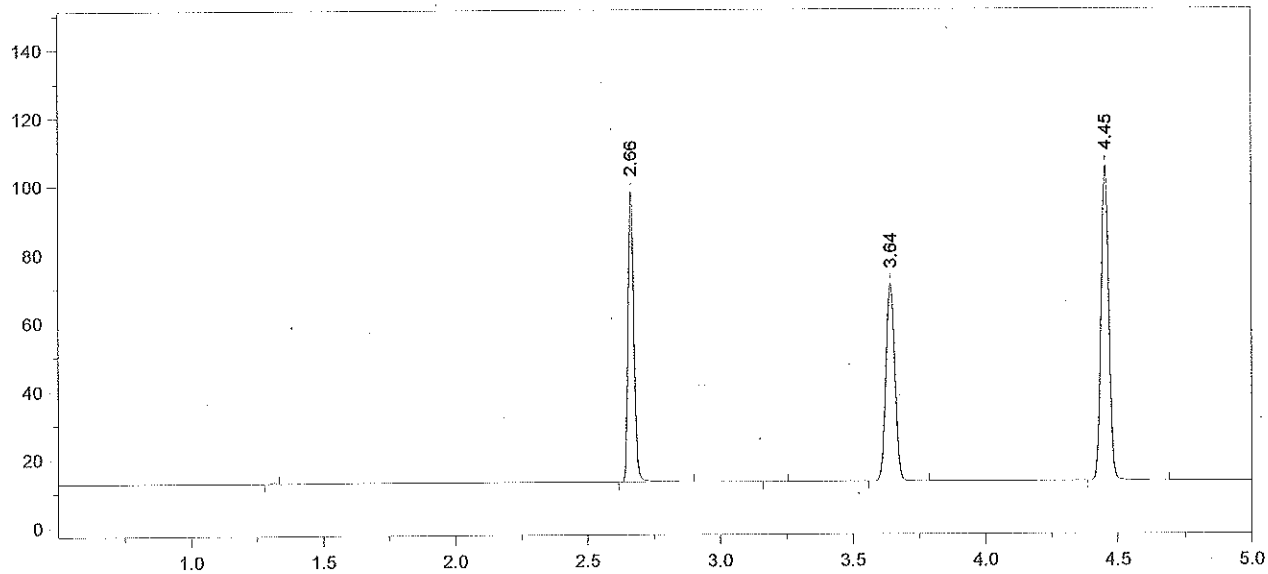
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	122807	0.1270	0.1037
3	3.64	t-Butanol	127606	0.9800	0.7999
4	4.45	n-Propanol	184228	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/25/2012
Today's Time = 7:08:09 AM
Bound File Name = SIM04242012.0018.RAW
Sample Name = 0.10 Ext Std ALB
Date Taken = 4/24/2012 7:57:06 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04242012.cal
Calibration Version = 7

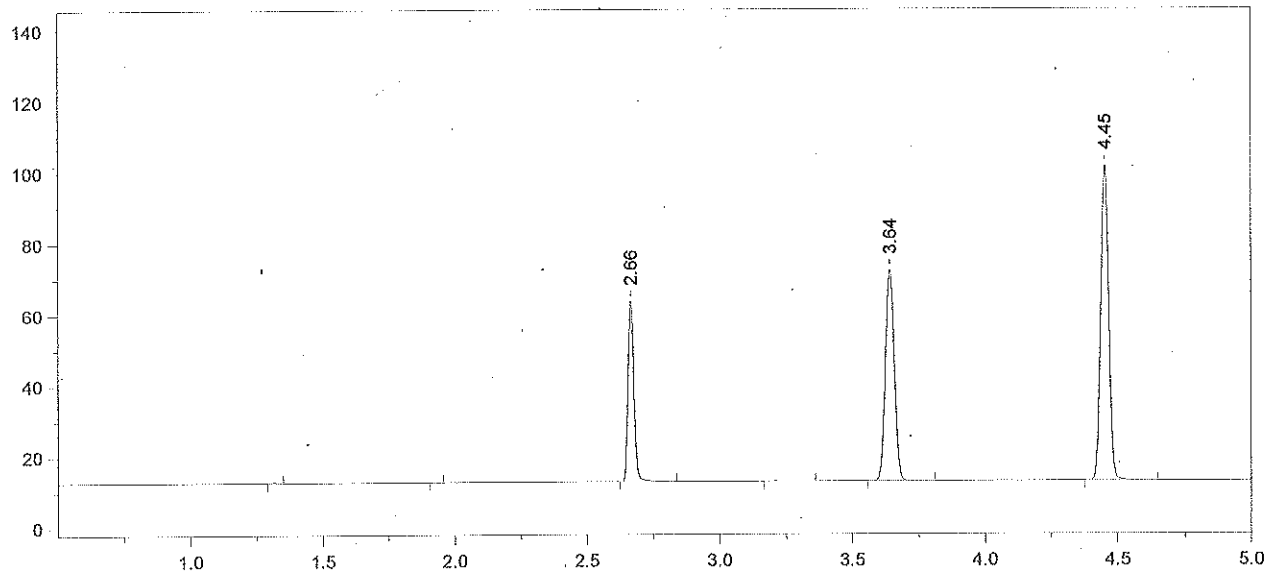
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	119100	0.1218	0.0994
4	3.64	t-Butanol	135656	1.0299	0.8406
5	4.45	n-Propanol	186369	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/25/2012
Today's Time = 7:08:15 AM
Bound File Name = SIM04242012.0019.RAW
Sample Name = 0.10 Ext Std ALB
Date Taken = 4/24/2012 8:10:49 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04242012.cal
Calibration Version = 7

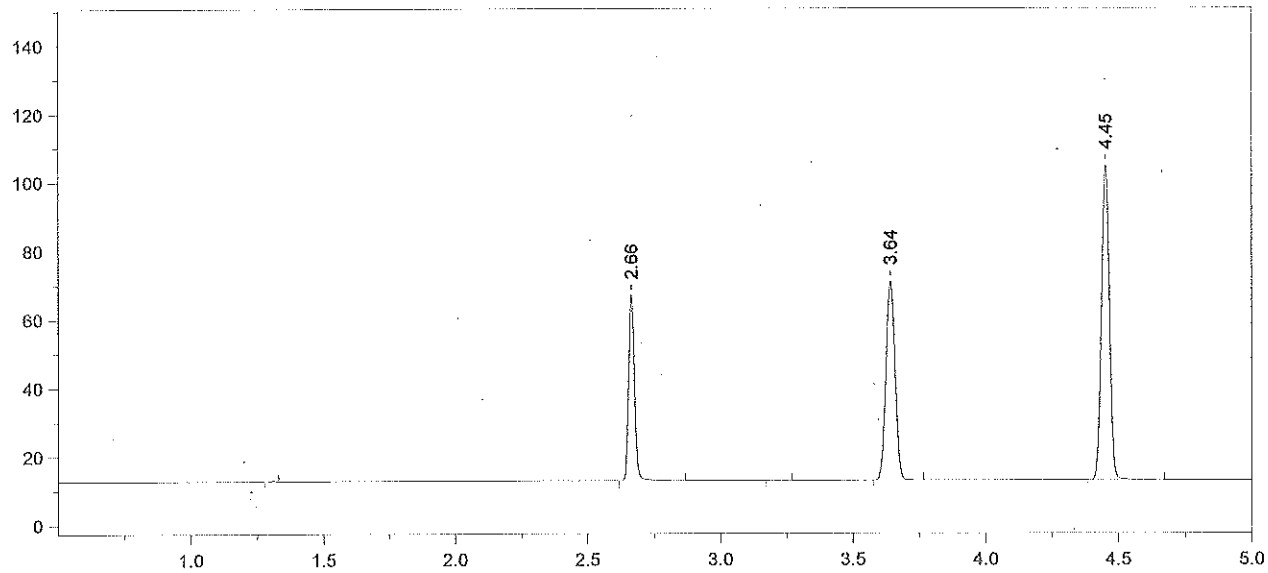
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	130857	0.1274	0.1039
4	3.64	t-Butanol	133732	0.9666	0.7889
5	4.45	n-Propanol	195763	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/25/2012
Today's Time = 7:08:23 AM
Bound File Name = SIM04242012.0020.RAW
Sample Name = CCS
Date Taken = 4/24/2012 8:28:33 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04242012.cal
Calibration Version = 7

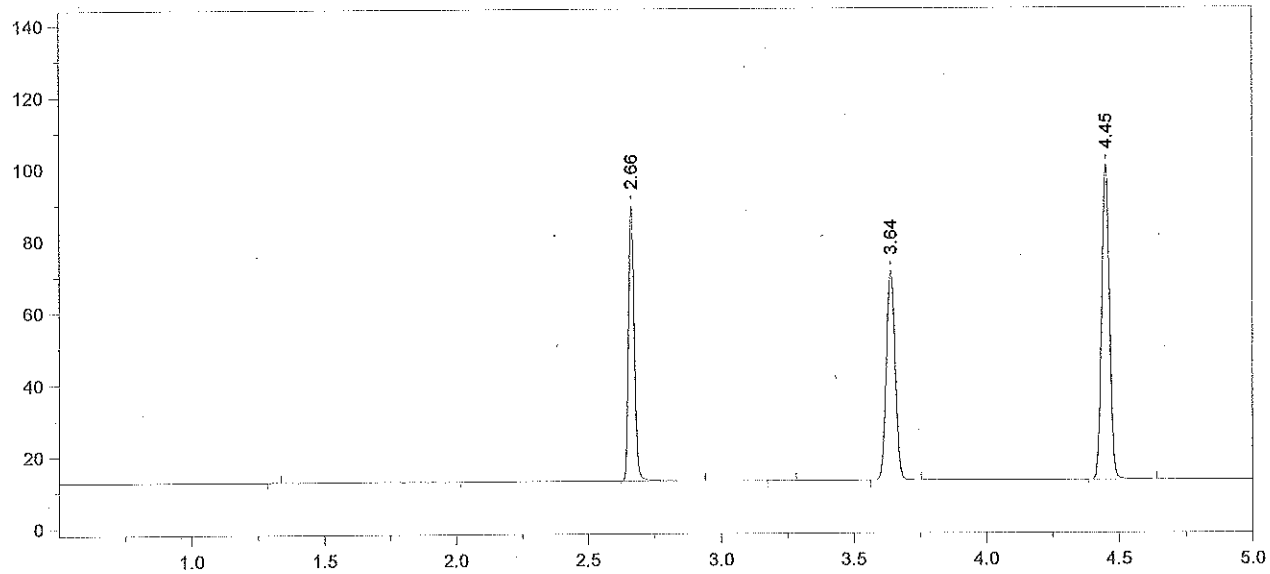
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	2.66	Ethanol	79063	0.0801	0.0654
5	3.64	t-Butanol	137221	1.0330	0.8431
6	4.45	n-Propanol	187961	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/25/2012
Today's Time = 7:08:30 AM
Bound File Name = SIM04242012.0021.RAW
Sample Name = CCS
Date Taken = 4/24/2012 8:42:21 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04242012.cal
Calibration Version = 7

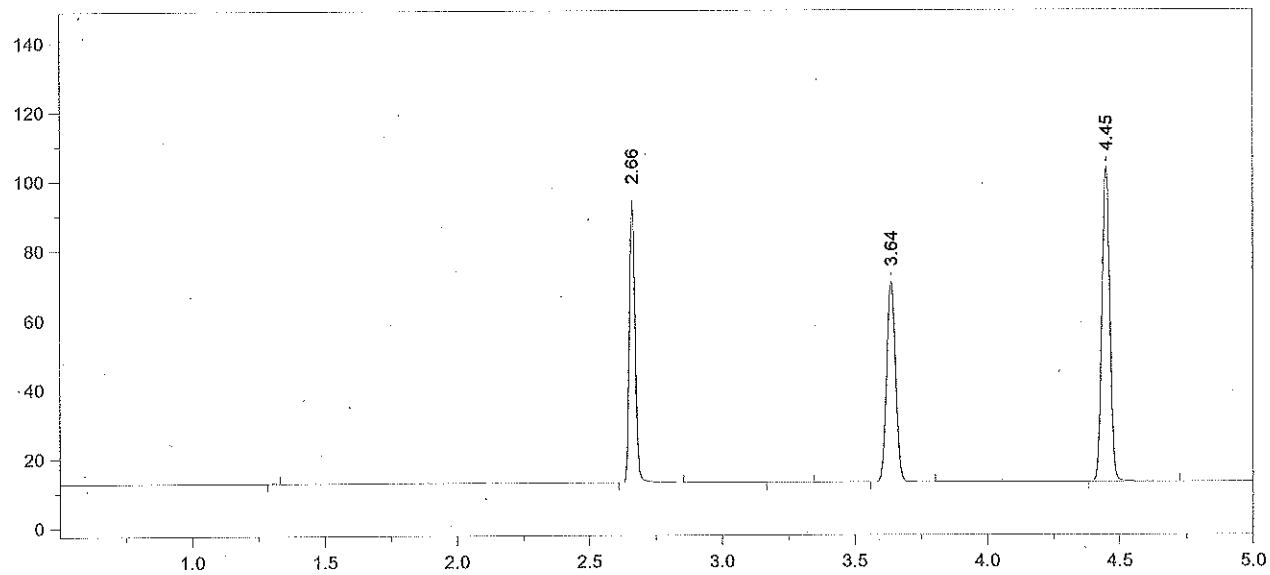
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	83515	0.0817	0.0667
4	3.64	t-Butanol	134101	0.9743	0.7952
5	4.45	n-Propanol	194749	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/25/2012
Today's Time = 7:08:36 AM
Bound File Name = SIM04242012.0022.RAW
Sample Name = 0.10 Ext Std TLC
Date Taken = 4/24/2012 8:59:57 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04242012.cal
Calibration Version = 7

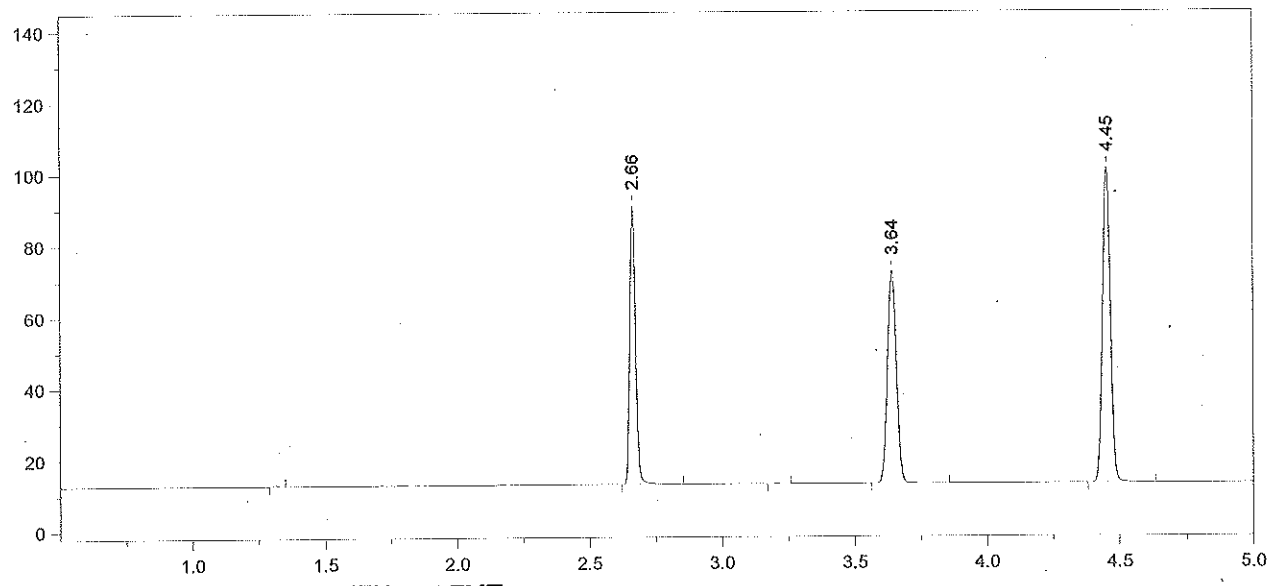
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	117986	0.1217	0.0993
4	3.64	t-Butanol	134701	1.0320	0.8423
5	4.45	n-Propanol	184688	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/25/2012
Today's Time = 7:08:42 AM
Bound File Name = SIM04242012.0023.RAW
Sample Name = 0.10 Ext Std TLC
Date Taken = 4/24/2012 9:13:12 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04242012.cal
Calibration Version = 7

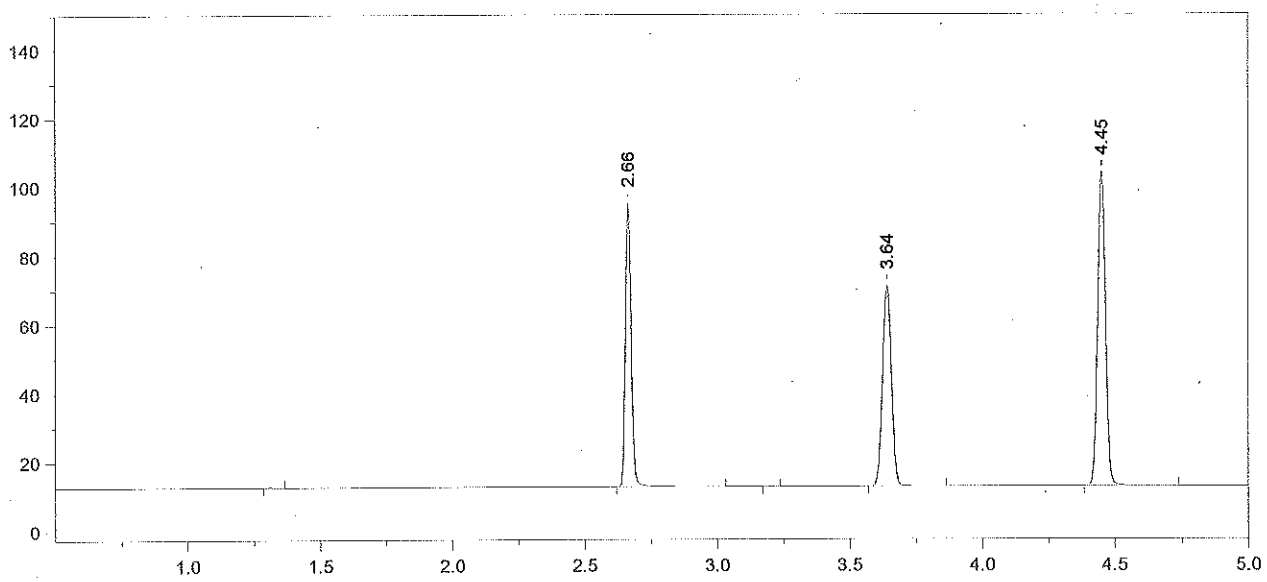
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	125316	0.1233	0.1006
4	3.64	t-Butanol	133346	0.9742	0.7952
5	4.45	n-Propanol	193665	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/25/2012
Today's Time = 7:08:50 AM
Bound File Name = SIM04242012.0024.RAW
Sample Name = 0.10 Ext Std TLC
Date Taken = 4/24/2012 9:31:21 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04242012.cal
Calibration Version = 7

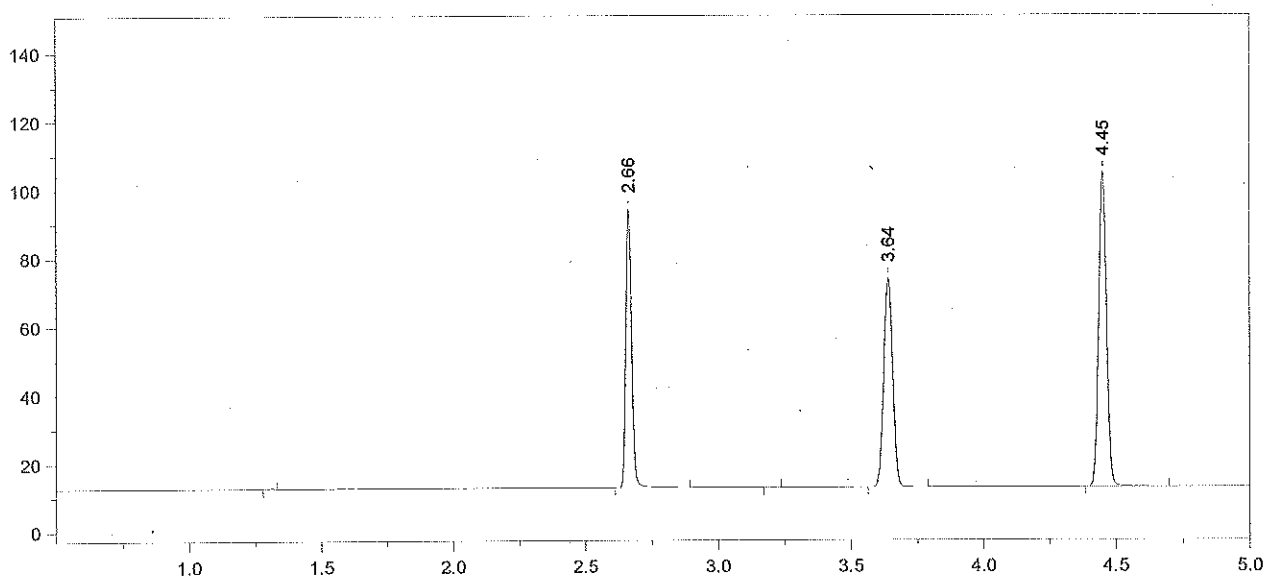
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	119679	0.1215	0.0992
4	3.64	t-Butanol	137191	1.0344	0.8443
5	4.45	n-Propanol	187651	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/25/2012
Today's Time = 7:08:58 AM
Bound File Name = SIM04242012.0025.RAW
Sample Name = 0.10 Ext Std TLC
Date Taken = 4/24/2012 9:44:59 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04242012.cal
Calibration Version = 7

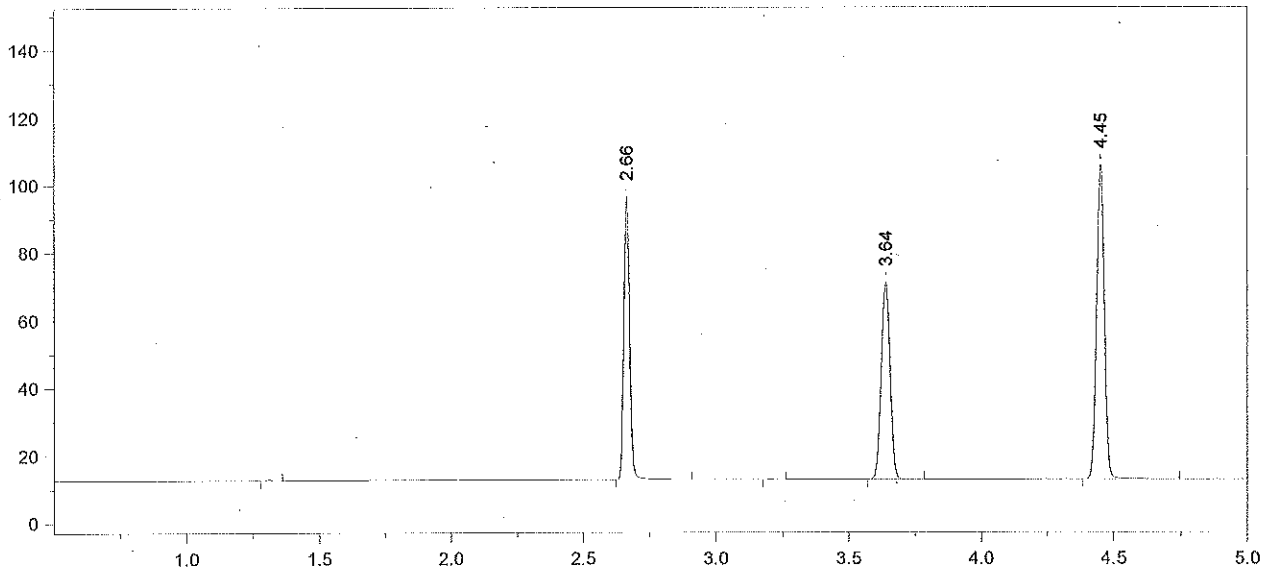
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	126945	0.1240	0.1012
4	3.64	t-Butanol	134816	0.9783	0.7985
5	4.45	n-Propanol	194983	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/25/2012
Today's Time = 7:09:05 AM
Bound File Name = SIM04242012.0026.RAW
Sample Name = 0.10 Ext Std TLC
Date Taken = 4/24/2012 10:01:06 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04242012.cal
Calibration Version = 7

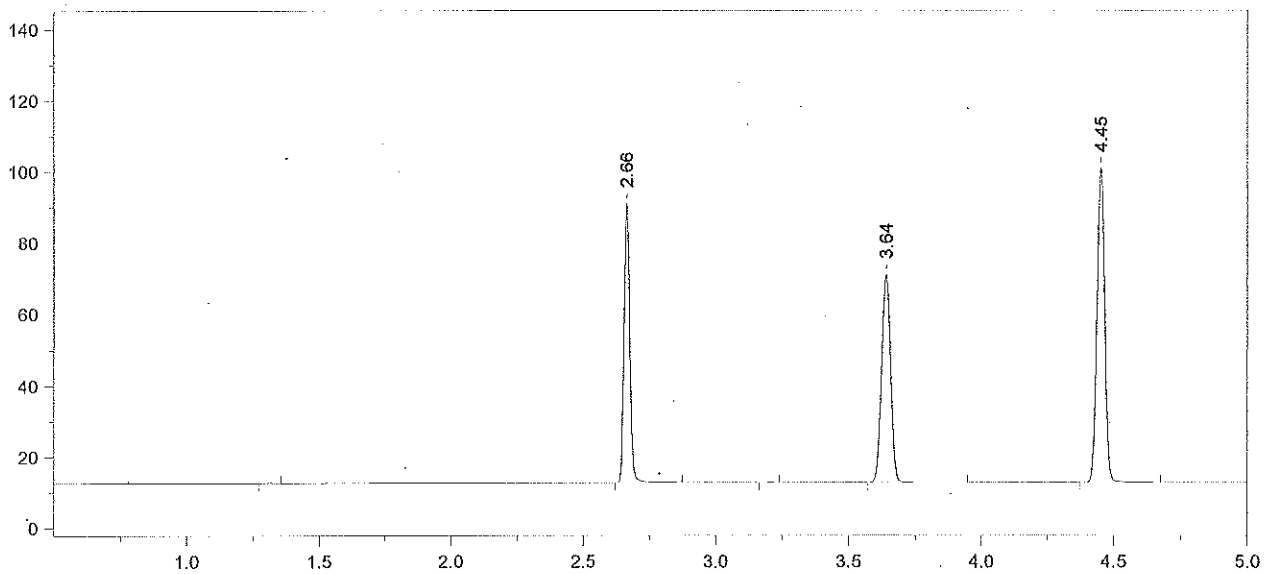
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	124905	0.1219	0.0995
4	3.64	t-Butanol	140935	1.0219	0.8340
5	4.45	n-Propanol	195144	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/25/2012
Today's Time = 7:09:13 AM
Bound File Name = SIM04242012.0027.RAW
Sample Name = 0.10 Ext Std TLC
Date Taken = 4/24/2012 10:16:24 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04242012.cal
Calibration Version = 7

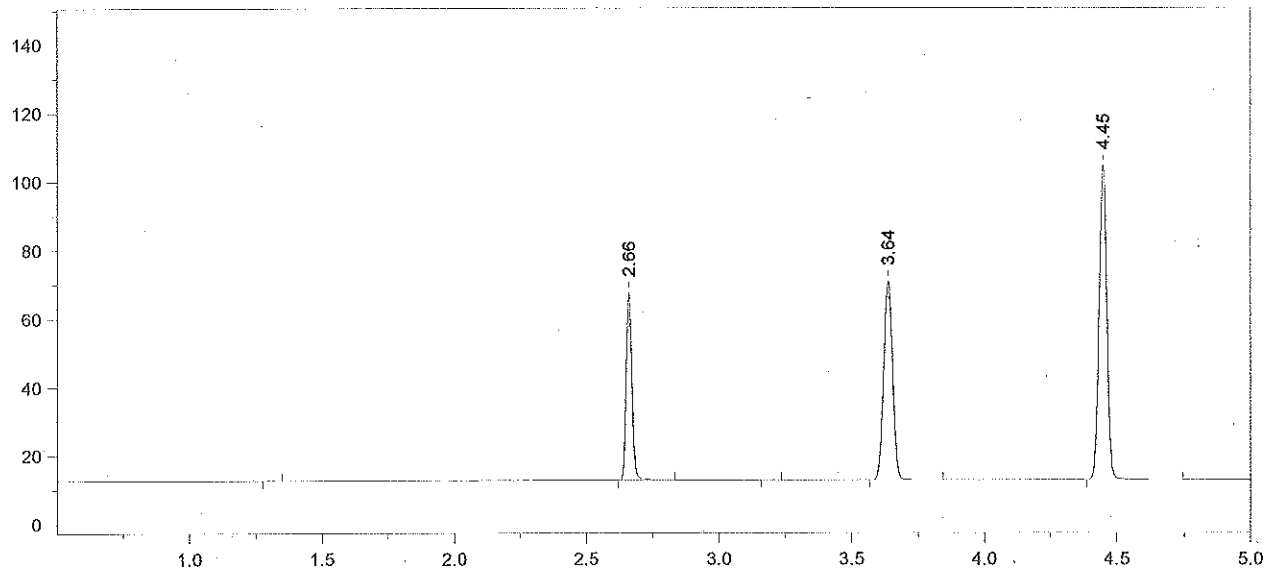
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	128222	0.1243	0.1015
4	3.64	t-Butanol	134106	0.9656	0.7881
5	4.45	n-Propanol	196513	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/25/2012
Today's Time = 7:09:20 AM
Bound File Name = SIM04242012.0028.RAW
Sample Name = 0.10 Ext Std TLC
Date Taken = 4/24/2012 10:32:39 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04242012.cal
Calibration Version = 7

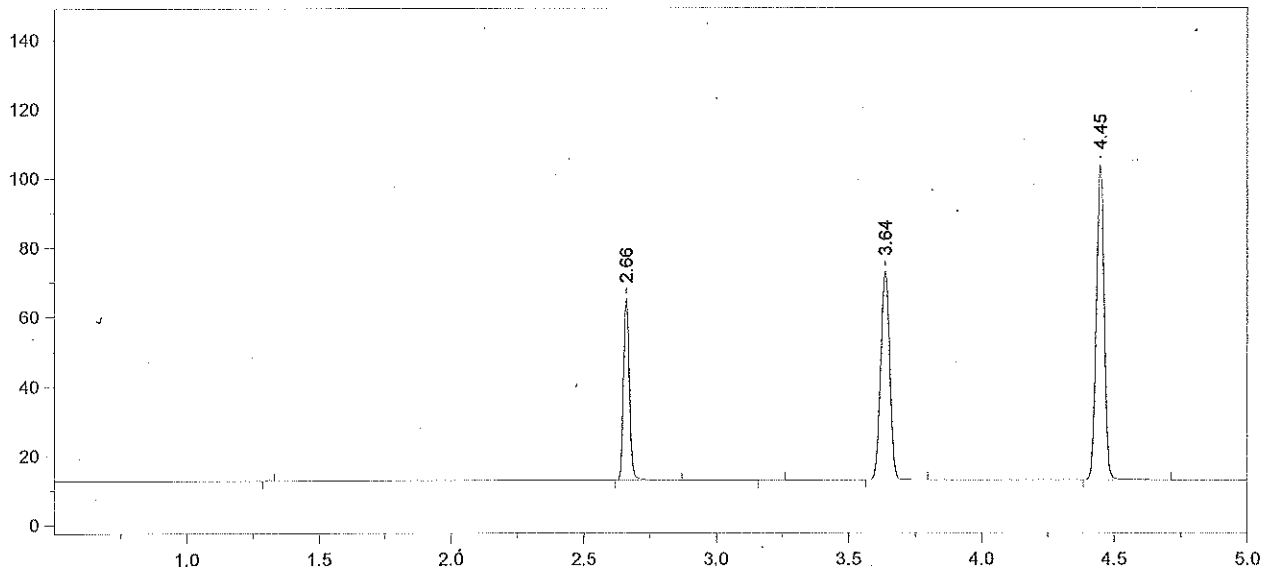
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	119738	0.1221	0.0996
4	3.64	t-Butanol	135084	1.0226	0.8347
5	4.45	n-Propanol	186901	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/25/2012
Today's Time = 7:09:26 AM
Bound File Name = SIM04242012.0029.RAW
Sample Name = CCS
Date Taken = 4/24/2012 10:46:41 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04242012.cal
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	84263	0.0824	0.0673
4	3.64	t-Butanol	133577	0.9700	0.7917
5	4.45	n-Propanol	194841	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/25/2012
Today's Time = 7:09:34 AM
Bound File Name = SIM04242012.0030.RAW
Sample Name = CCS
Date Taken = 4/24/2012 11:02:24 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04242012.cal
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	80670	0.0801	0.0654
4	3.64	t-Butanol	138818	1.0242	0.8359
5	4.45	n-Propanol	191781	1.0000	0.8162

Headspace Alcohol Analysis Standards Coversheet

Analyst: TLC Date: 4/25/12

Calibration Standards:

Lot ID: ES-03052012 Preparation Date: 03/05/2012* Expiration Date: 06/05/2012

*Standard E was re-prepared on 3/7/2012

	Standard A	Standard B	Standard C	Standard D	Standard E	Calibration Check
% Ethanol (w/v)	0.005	0.022	0.082	0.202	0.409	
Acceptance Range (± 10%)	0.006	0.024	0.090	0.222	0.450	
	0.004	0.020	0.074	0.182	0.368	

Control Sample:

1/26/12

Sample	Source	Lot number	Target Value	Acceptance Range	
~~Whole Blood~~ AQ	~~Cliniqa~~ Cerilliant	~~091120A~~ FN111711-01	~~0.076~~ 0.100	~~0.068~~ 0.090	~~0.083~~ 0.110

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		0.0054	Y N	
4	Standard B		0.022	Y N	
5	Standard C		0.081	Y N	
6	Standard D		0.199	Y N	
7	Standard E		0.410	Y N	
8	~~Whole Blood Control~~ AQ		0.0989	Y N	
9	~~Whole Blood Control~~ AQ		0.1009	Y N	$\bar{x}$ = 0.100 ✓

DJB 4/26/12

TLC 4/26/2012

File Name: C:\Methods\SimCal 04252012.cal
Version: 3

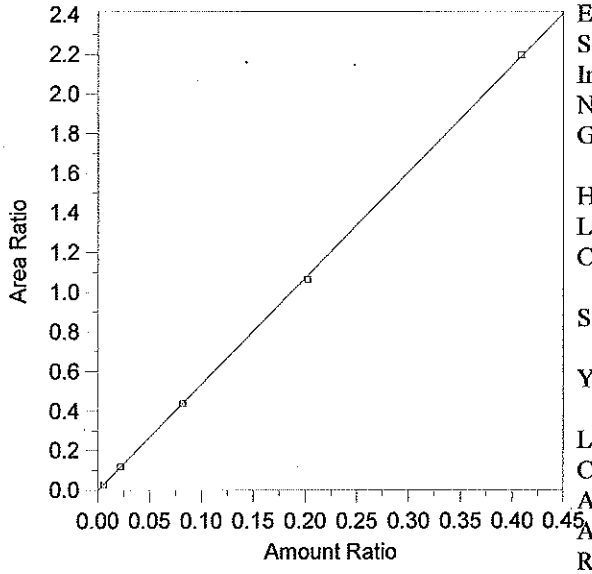
Creator:
Description:
Reason for change:

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:	2.662 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

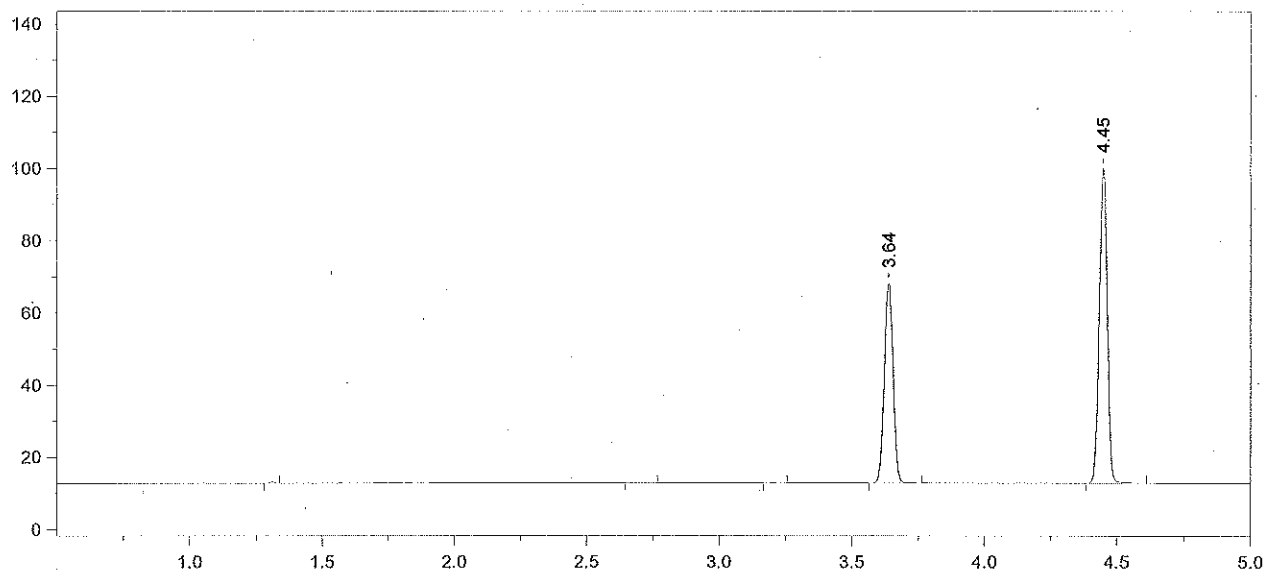
Single peak quantification by area

Y = 5.346678 X + 0

Linear fit with equal weighting, forced to origin

Coefficient of determination:	0.9998956
Average error:	0.752%
Average CF:	5.319813
RSD:	0.821%

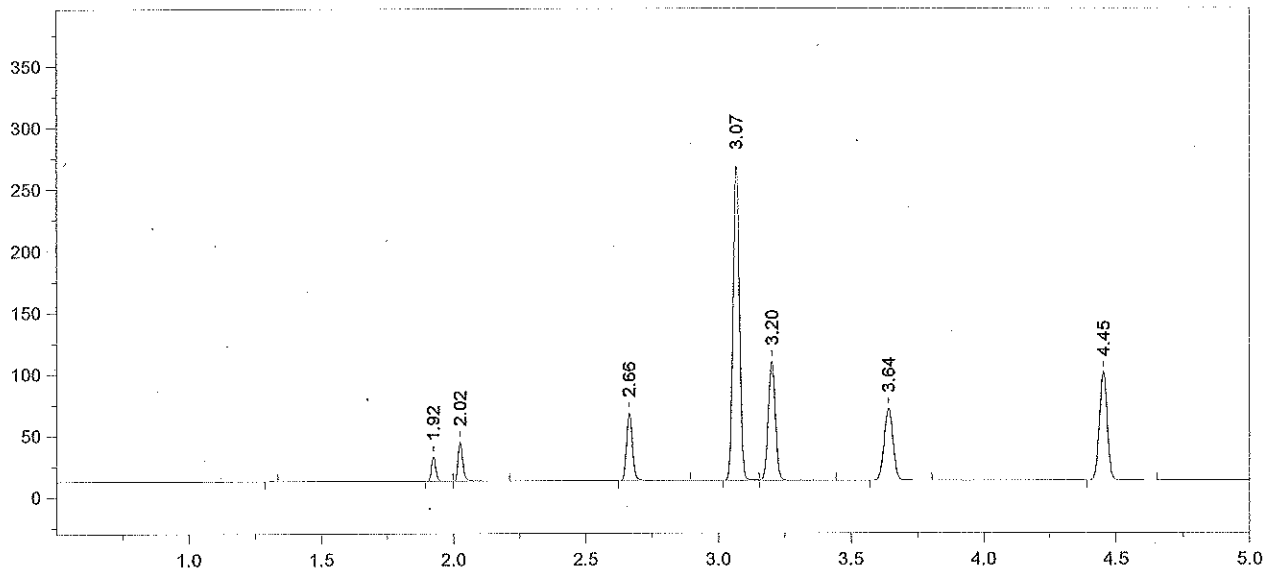
Level	Amount	Response	Cal Factor	Error, %	Amount Ratio	Response Ratio	Source	Date and time
1	(0.088)	(85146)	--	--	0.088	85146	Manual	2/24/2012 1:50:47 PM
2	0.0055	5147.659	935938.1	-1.103	0.0055	2.908246E-02	C:\Alcohol Data\SIM04252012\SIM04252012.0003.BND	4/26/2012 7:30:36 AM
3	0.022	22271.73	1012351	0.239	0.022	0.1179078	C:\Alcohol Data\SIM04252012\SIM04252012.0004.BND	4/26/2012 7:30:42 AM
4	0.082	79505.99	969585.3	-0.546	0.082	0.4360351	C:\Alcohol Data\SIM04252012\SIM04252012.0005.BND	4/26/2012 7:30:48 AM
5	0.202	196371.1	972134.1	-1.487	0.202	1.063972	C:\Alcohol Data\SIM04252012\SIM04252012.0006.BND	4/26/2012 7:30:55 AM
6	0.409	386061.2	943914.9	0.384	0.409	2.195191	C:\Alcohol Data\SIM04252012\SIM04252012.0007.BND	4/26/2012 7:31:01 AM



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/26/2012
Today's Time = 7:53:46 AM
Bound File Name = SIM04252012.0001.RAW
Sample Name = Blank
Date Taken = 4/25/2012 3:51:29 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04252012.cal
Calibration Version = 3

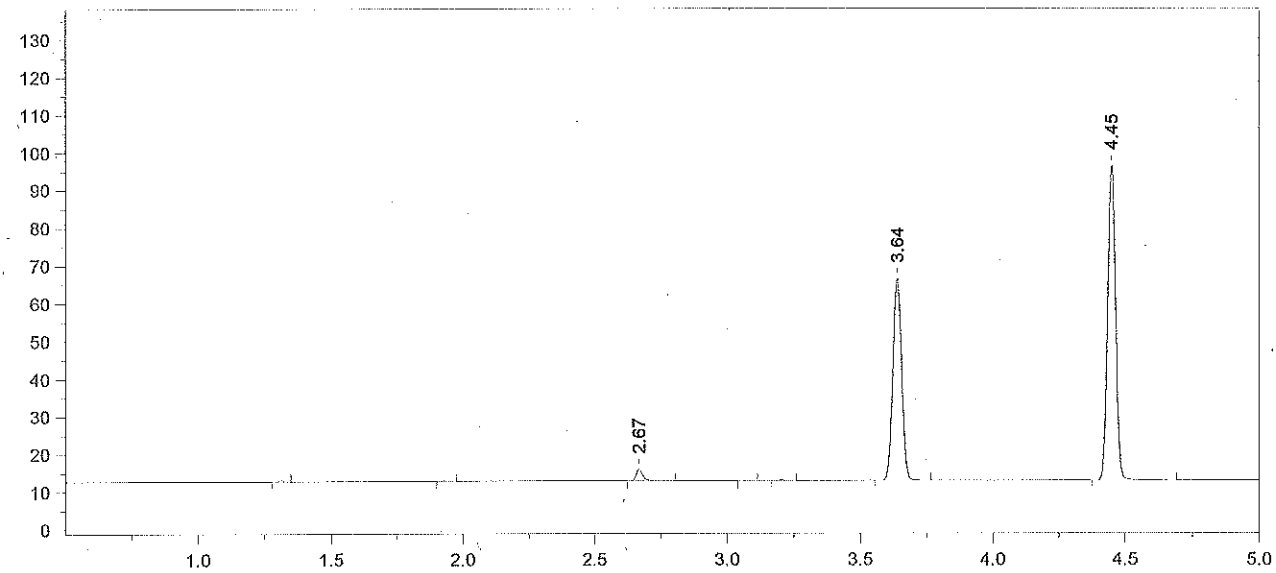
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
4	3.64	t-Butanol	128348	0.9737	0.7948
5	4.45	n-Propanol	185193	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/26/2012
Today's Time = 7:53:52 AM
Bound File Name = SIM04252012.0002.RAW
Sample Name = TMX
Date Taken = 4/25/2012 4:07:20 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04252012.cal
Calibration Version = 3

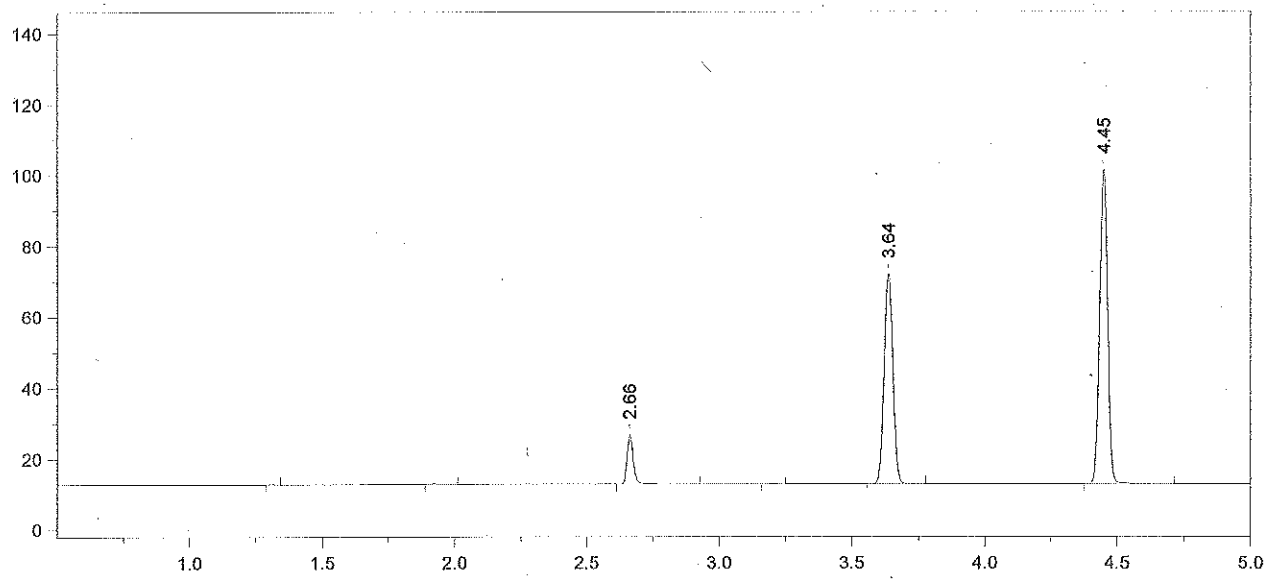
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	1.92	Acetaldehyde	23080	0.0650	0.0531
3	2.02	Methanol	40618	0.0890	0.0726
4	2.66	Ethanol	85598	0.0860	0.0702
5	3.07	Acetone	435477	0.1030	0.0841
6	3.20	Isopropanol	180722	0.0910	0.0743
7	3.64	t-Butanol	134678	1.0165	0.8297
8	4.45	n-Propanol	186142	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/26/2012 Today's Time = 7:53:57 AM
Bound File Name = SIM04252012.0003.RAW
Sample Name = STD A
Date Taken = 4/25/2012 4:22:46 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04252012.cal Calibration Version = 3

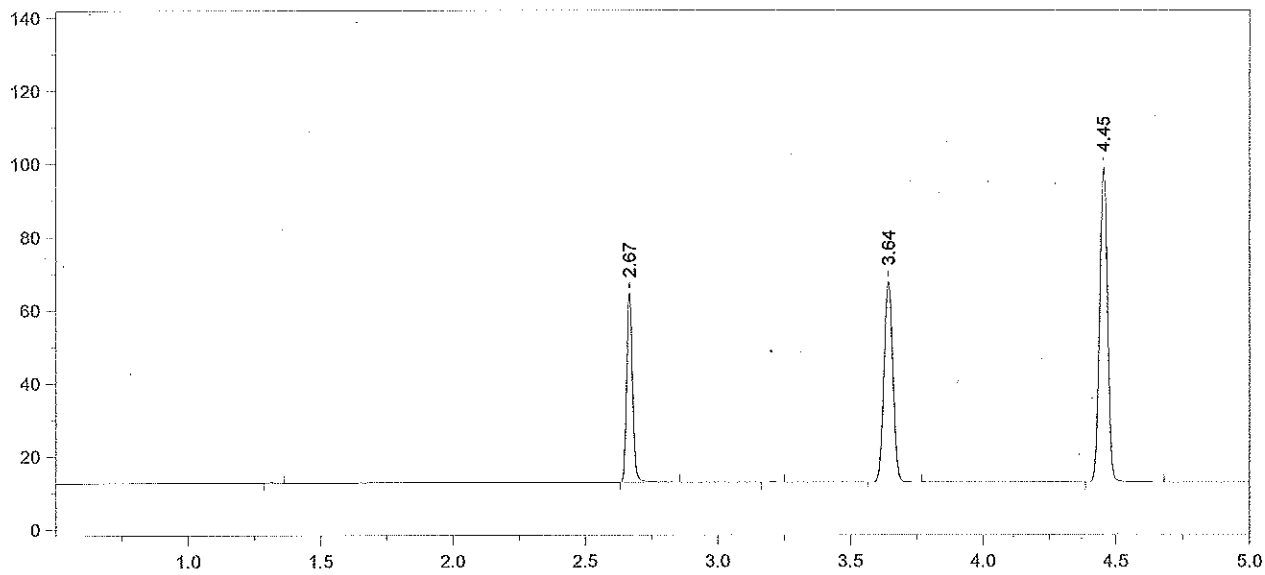
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	2.67	Ethanol	05148	0.0054	0.0044
6	3.64	t-Butanol	123393	0.9795	0.7994
7	4.45	n-Propanol	177002	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/26/2012 Today's Time = 7:54:04 AM
Bound File Name = SIM04252012.0004.RAW
Sample Name = STD B
Date Taken = 4/25/2012 4:38:50 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04252012.cal Calibration Version = 3

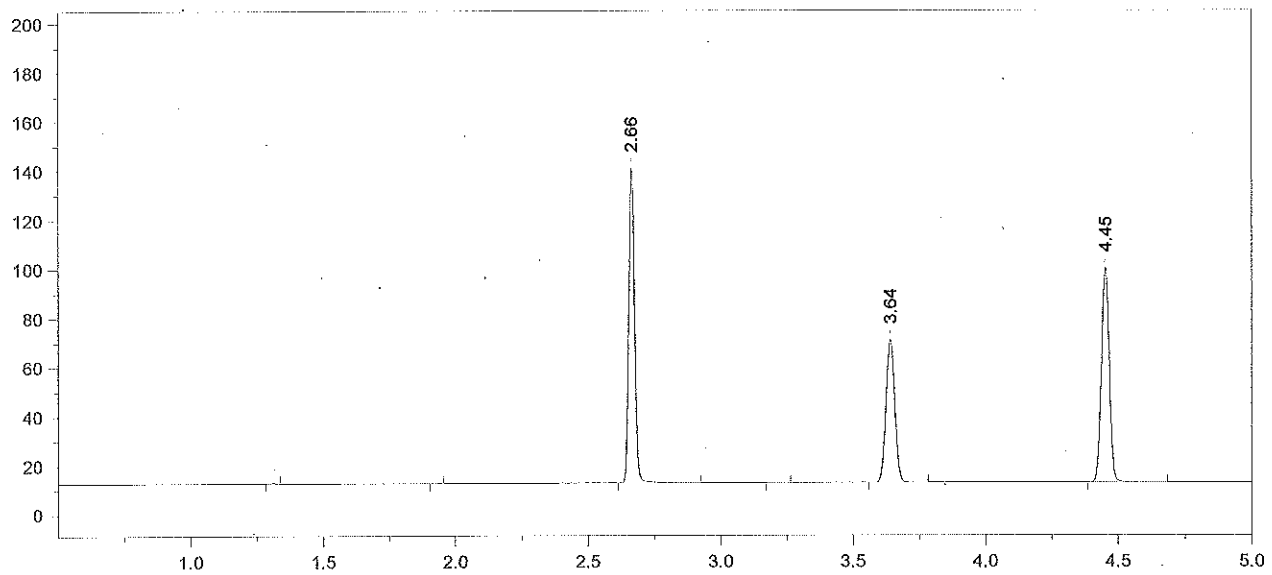
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	2.66	Ethanol	22272	0.0221	0.0180
5	3.64	t-Butanol	137330	1.0215	0.8337
6	4.45	n-Propanol	188891	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/26/2012 Today's Time = 7:54:12 AM
Bound File Name = SIM04252012.0005.RAW
Sample Name = STD C
Date Taken = 4/25/2012 4:52:57 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04252012.cal Calibration Version = 3

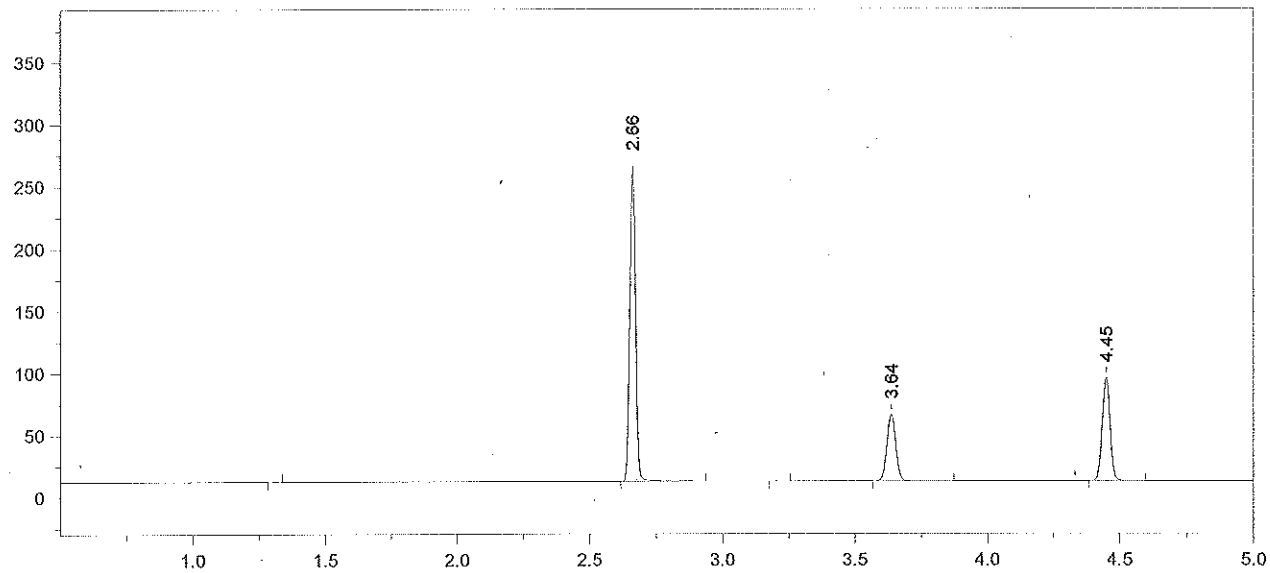
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	79506	0.0816	0.0666
4	3.64	t-Butanol	126496	0.9747	0.7955
5	4.45	n-Propanol	182339	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/26/2012
Today's Time = 7:54:20 AM
Bound File Name = SIM04252012.0006.RAW
Sample Name = STD D
Date Taken = 4/25/2012 5:10:16 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04252012.cal
Calibration Version = 3

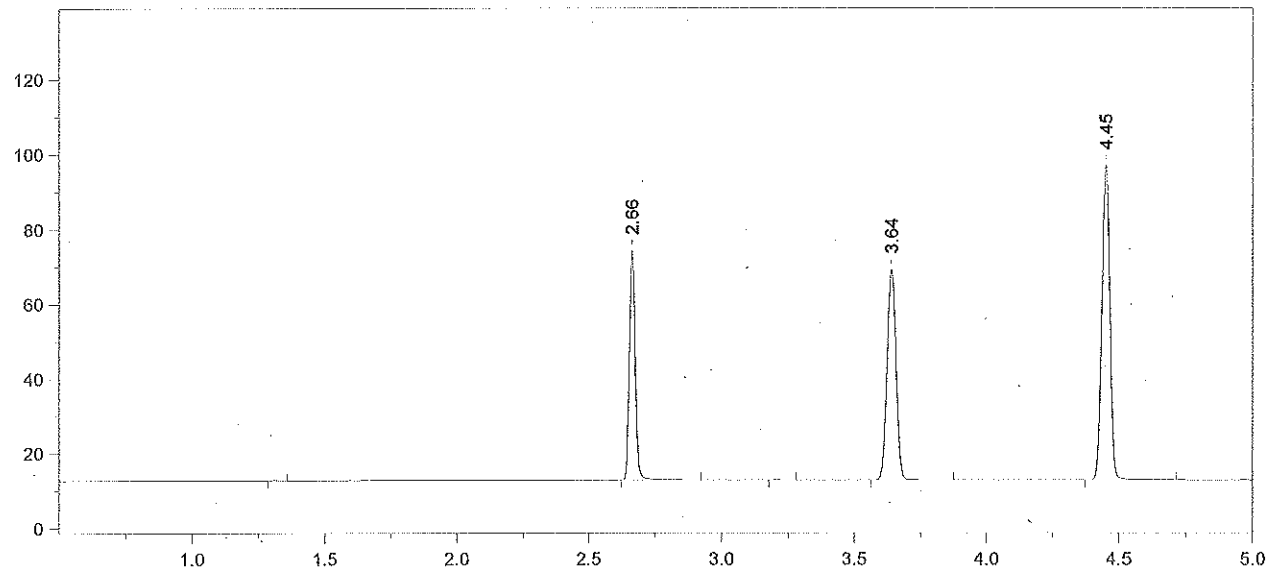
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	2.66	Ethanol	196371	0.1990	0.1624
5	3.64	t-Butanol	134263	1.0221	0.8342
6	4.45	n-Propanol	184564	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/26/2012
Today's Time = 7:54:29 AM
Bound File Name = SIM04252012.0007.RAW
Sample Name = STD E
Date Taken = 4/25/2012 5:24:17 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04252012.cal
Calibration Version = 3

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	386061	0.4106	0.3351
4	3.64	t-Butanol	123393	0.9858	0.8046
5	4.45	n-Propanol	175867	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/26/2012
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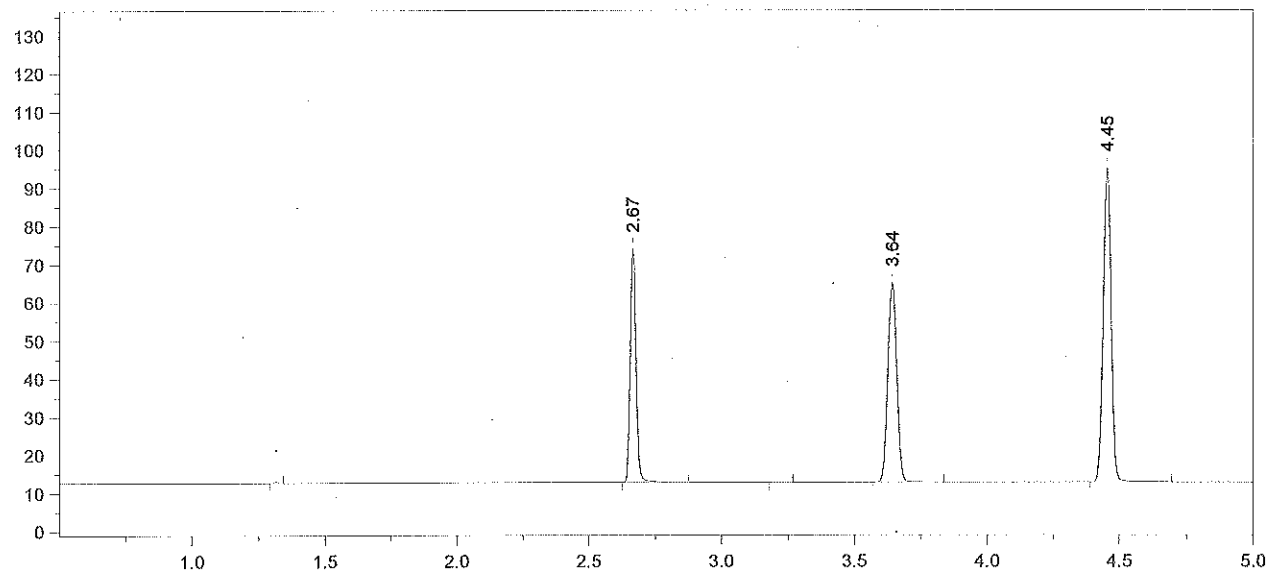
Bound File Name = SIM04252012.0008.RAW
Sample Name = AQ QC
Date Taken = 4/25/2012 5:41:43 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04252012.cal
Calibration Version = 3

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	94555	0.0989	0.0807
4	3.64	t-Butanol	130422	1.0249	0.8365
5	4.45	n-Propanol	178789	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/26/2012
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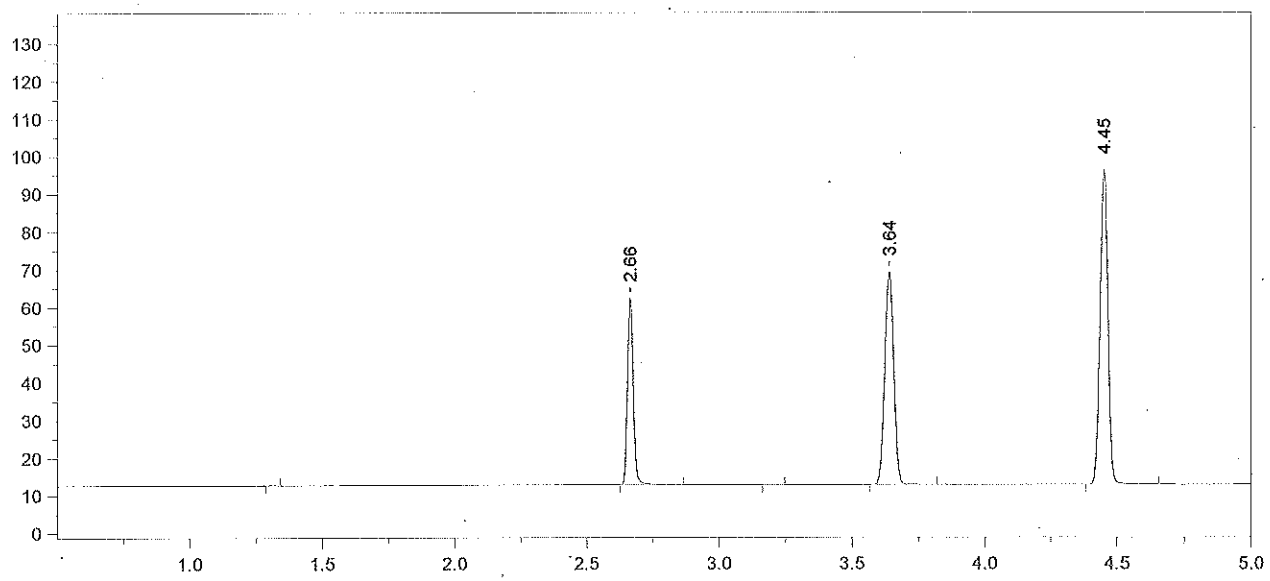
Bound File Name = SIM04252012.0009.RAW
Sample Name = AQ QC
Date Taken = 4/25/2012 5:55:29 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04252012.cal
Calibration Version = 3

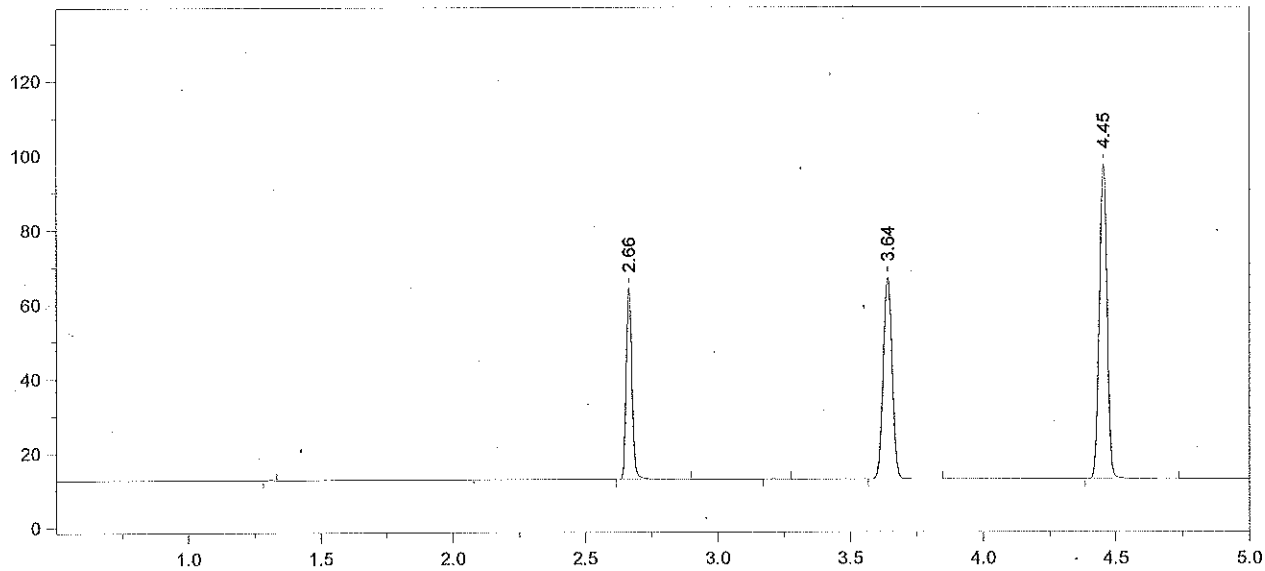
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	94377	0.1009	0.0823
4	3.64	t-Butanol	121180	0.9729	0.7941
5	4.45	n-Propanol	175000	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/26/2012 Today's Time = 7:54:51 AM
Bound File Name = SIM04252012.0010.RAW
Sample Name = CCS
Date Taken = 4/25/2012 6:13:10 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04252012.cal Calibration Version = 3

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	76495	0.0809	0.0660
4	3.64	t-Butanol	129877	1.0318	0.8421
5	4.45	n-Propanol	176858	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/26/2012
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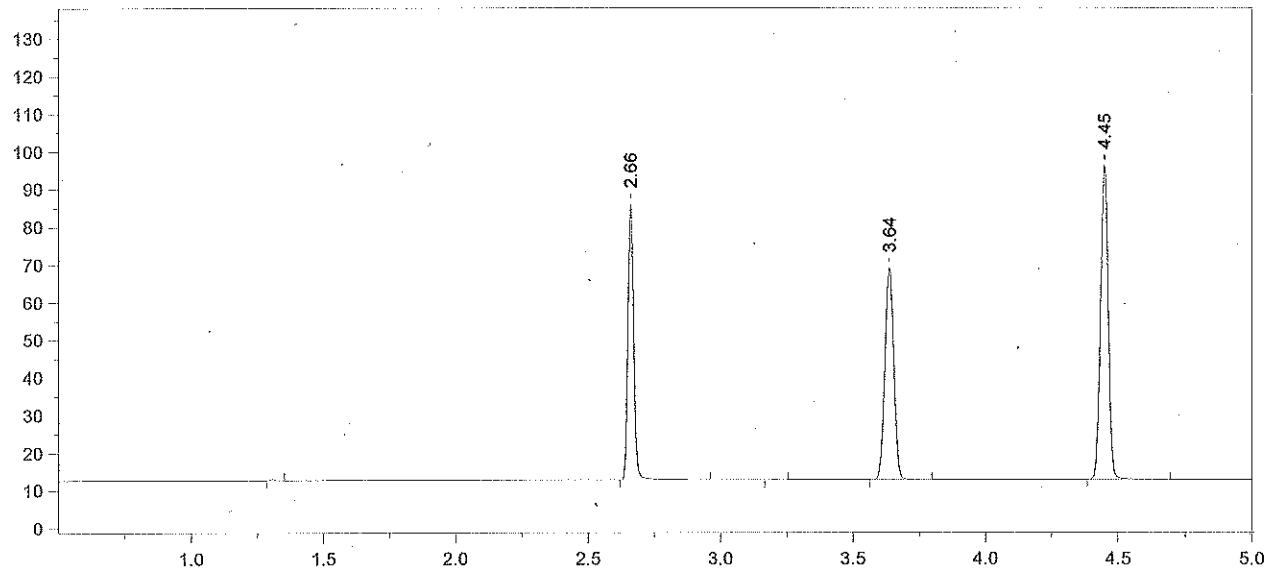
Bound File Name = SIM04252012.0011.RAW
Sample Name = CCS
Date Taken = 4/25/2012 6:27:00 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04252012.cal
Calibration Version = 3

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	79530	0.0829	0.0676
4	3.64	t-Butanol	125388	0.9814	0.8010
5	4.45	n-Propanol	179510	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

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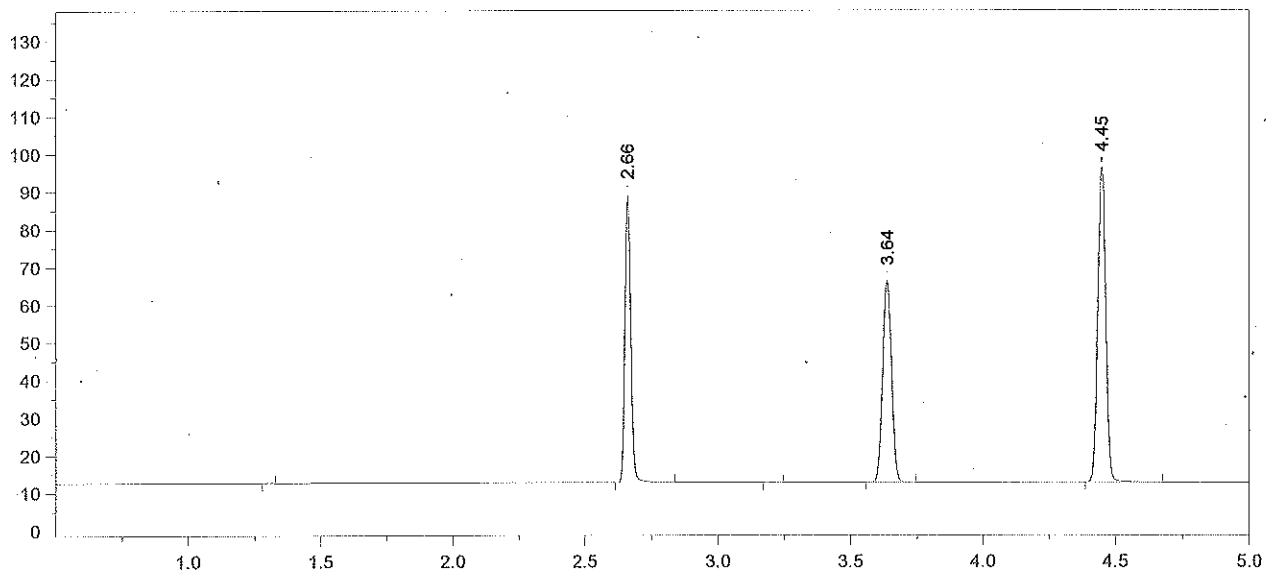
Today's Time = 7:55:06 AM
Bound File Name = SIM04252012.0012.RAW
Sample Name = 0.10 Ext Std TLC
Date Taken = 4/25/2012 6:44:35 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04252012.cal
Calibration Version = 3

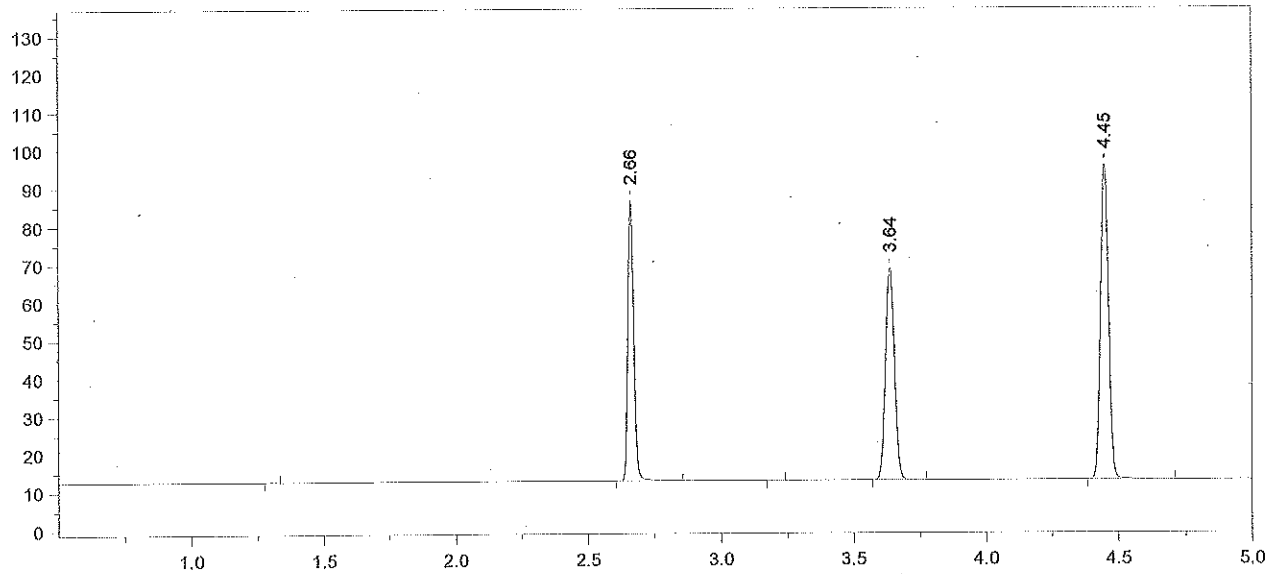
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	112737	0.1194	0.0975
4	3.64	t-Butanol	129668	1.0319	0.8422
5	4.45	n-Propanol	176558	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/26/2012
Today's Time = 7:55:12 AM
Bound File Name = SIM04252012.0013.RAW
Sample Name = 0.10 Ext Std TLC
Date Taken = 4/25/2012 6:57:52 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04252012.cal
Calibration Version = 3

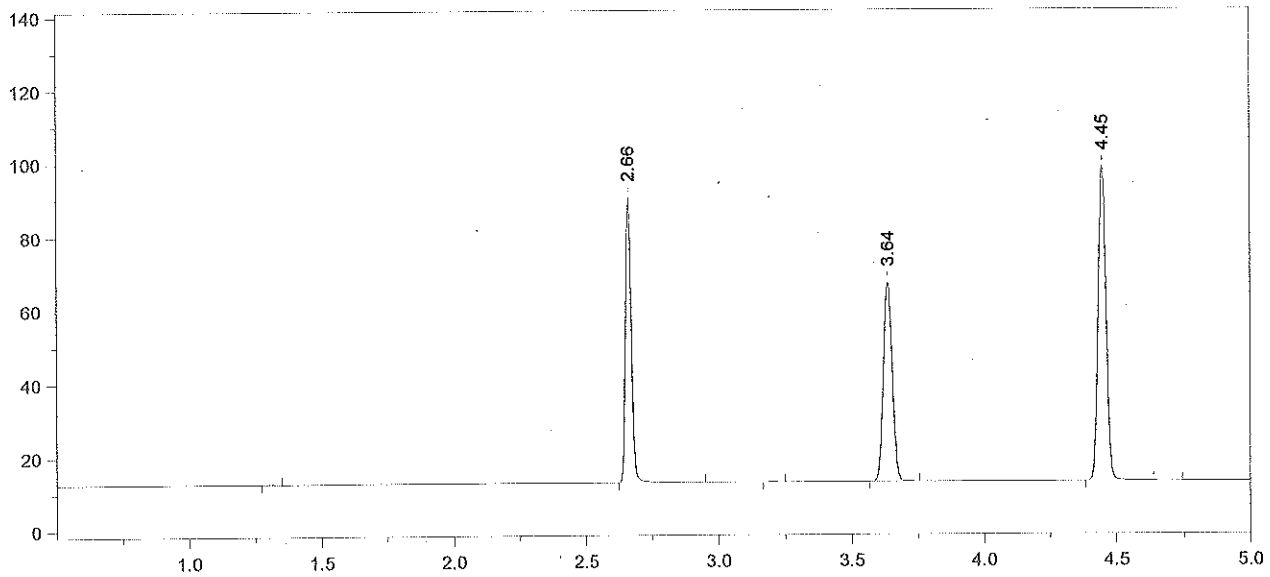
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	117056	0.1228	0.1002
4	3.64	t-Butanol	123384	0.9720	0.7933
5	4.45	n-Propanol	178351	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/26/2012
Today's Time = 7:55:17 AM
Bound File Name = SIM04252012.0014.RAW
Sample Name = 0.10 Ext Std TLC
Date Taken = 4/25/2012 7:15:59 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04252012.cal
Calibration Version = 3

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	113670	0.1203	0.0982
4	3.64	t-Butanol	129084	1.0261	0.8375
5	4.45	n-Propanol	176743	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/26/2012
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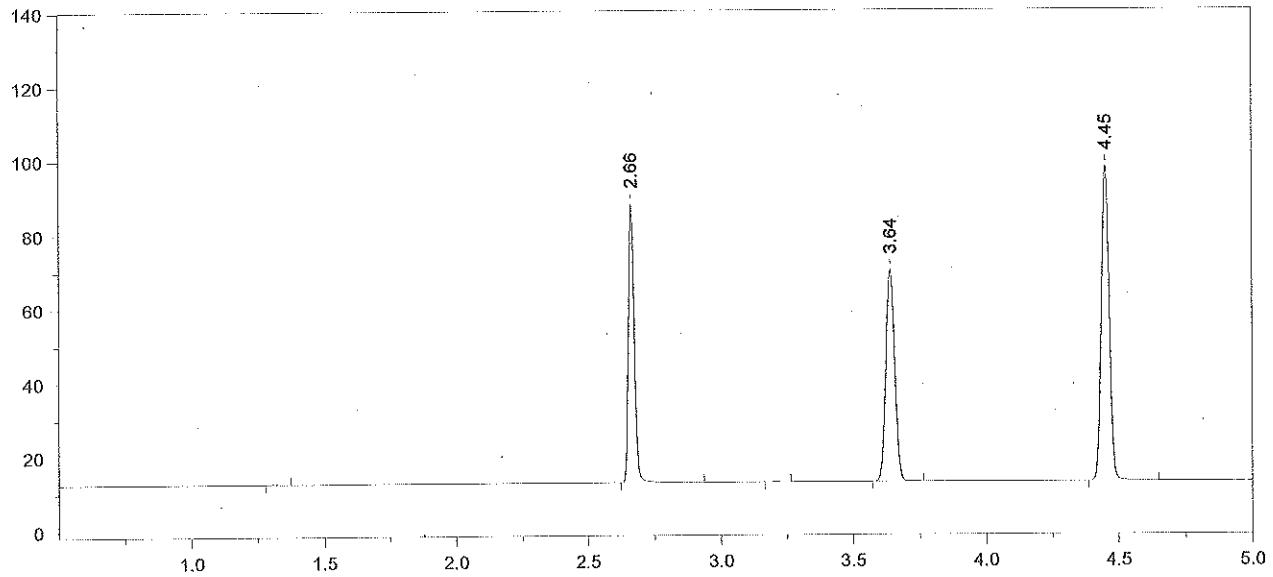
Bound File Name = SIM04252012.0015.RAW
Sample Name = 0.10 Ext Std TLC
Date Taken = 4/25/2012 7:29:49 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04252012.cal
Calibration Version = 3

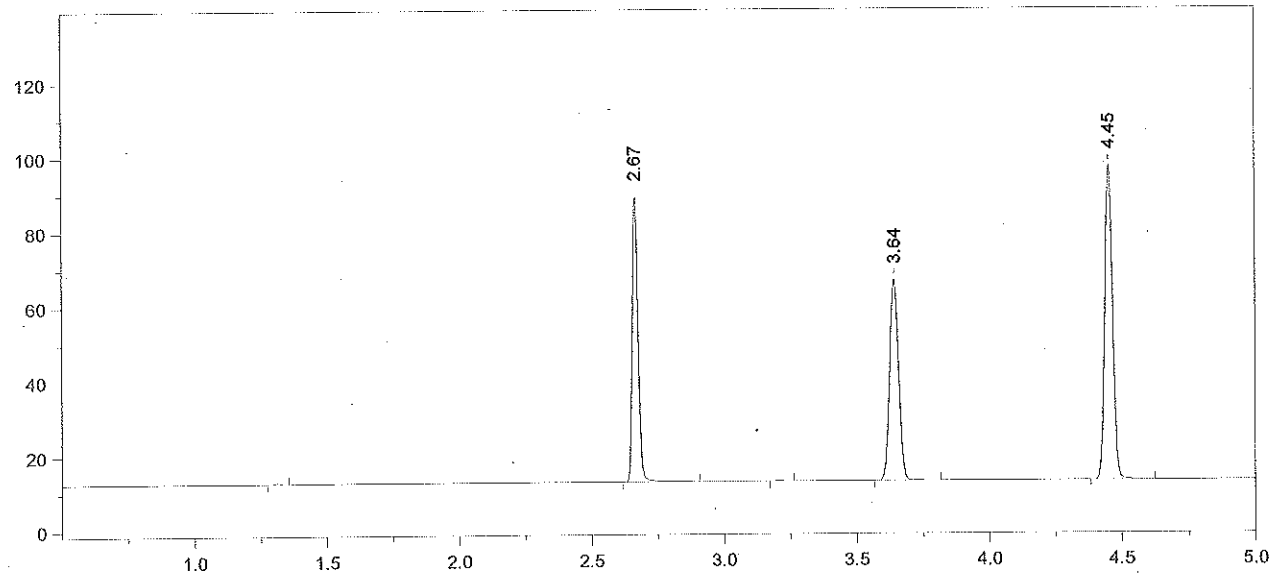
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	119085	0.1226	0.1001
4	3.64	t-Butanol	125304	0.9690	0.7909
5	4.45	n-Propanol	181689	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/26/2012
Today's Time = 7:55:31 AM
Bound File Name = SIM04252012.0016.RAW
Sample Name = 0.10 Ext Std TLC
Date Taken = 4/25/2012 7:47:25 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04252012.cal
Calibration Version = 3

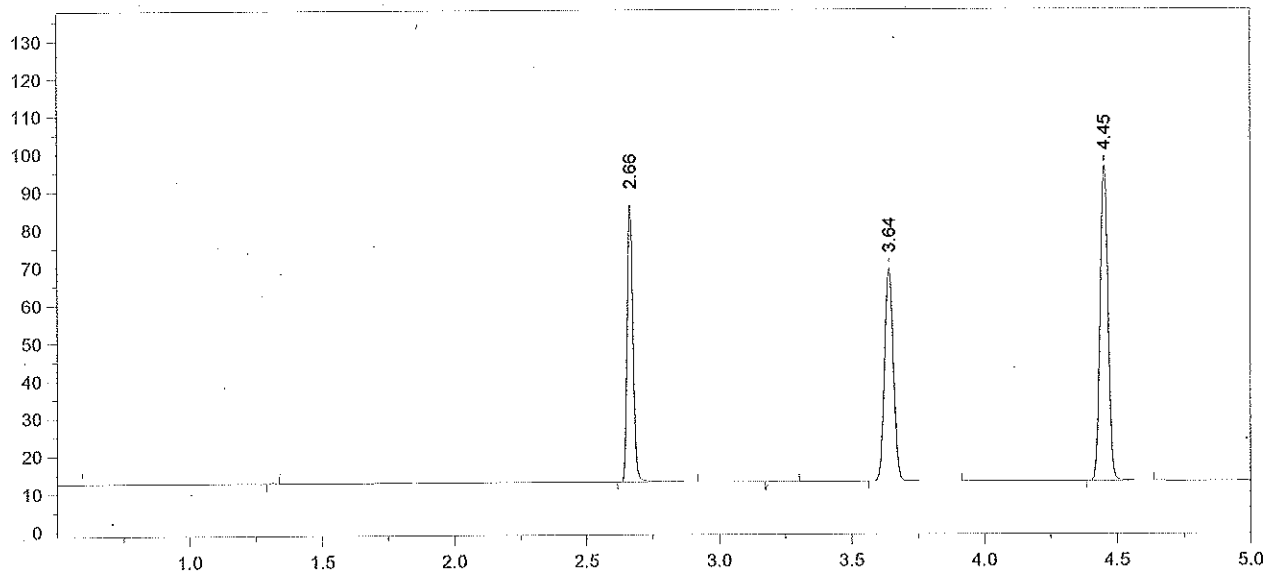
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	115140	0.1199	0.0979
4	3.64	t-Butanol	131650	1.0302	0.8409
5	4.45	n-Propanol	179538	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/26/2012
Today's Time = 7:55:39 AM
Bound File Name = SIM04252012.0017.RAW
Sample Name = 0.10 Ext Std TLC
Date Taken = 4/25/2012 8:01:04 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04252012.cal
Calibration Version = 3

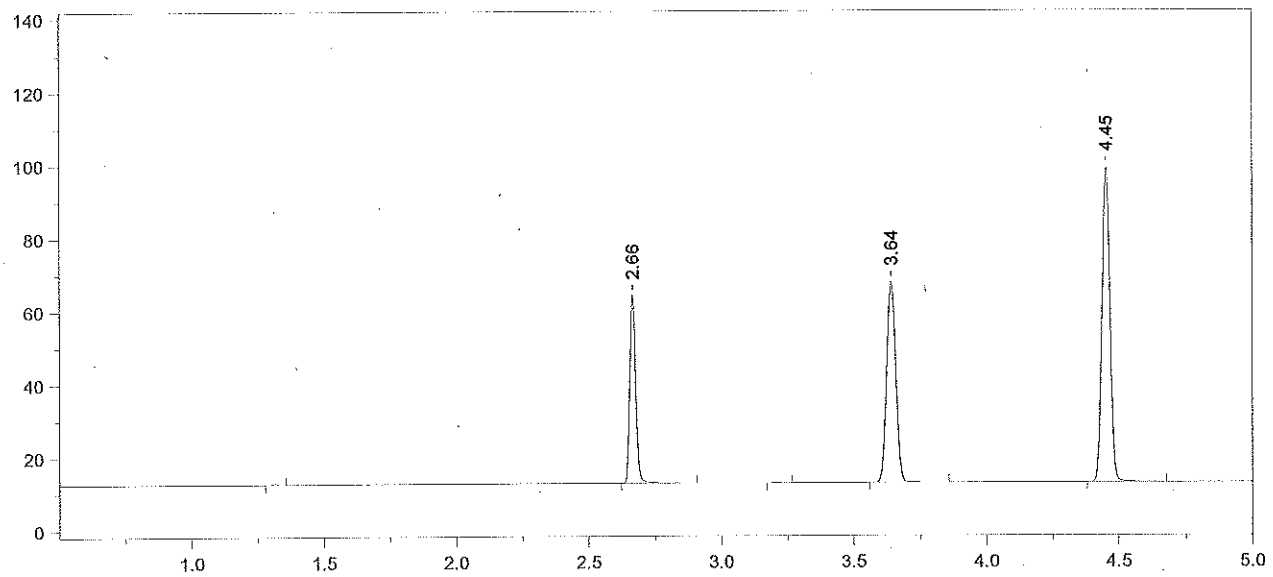
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	117601	0.1232	0.1006
4	3.64	t-Butanol	123966	0.9756	0.7963
5	4.45	n-Propanol	178525	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/26/2012
Today's Time = 7:55:47 AM
Bound File Name = SIM04252012.0018.RAW
Sample Name = 0.10 Ext Std TLC
Date Taken = 4/25/2012 8:18:50 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04252012.cal
Calibration Version = 3

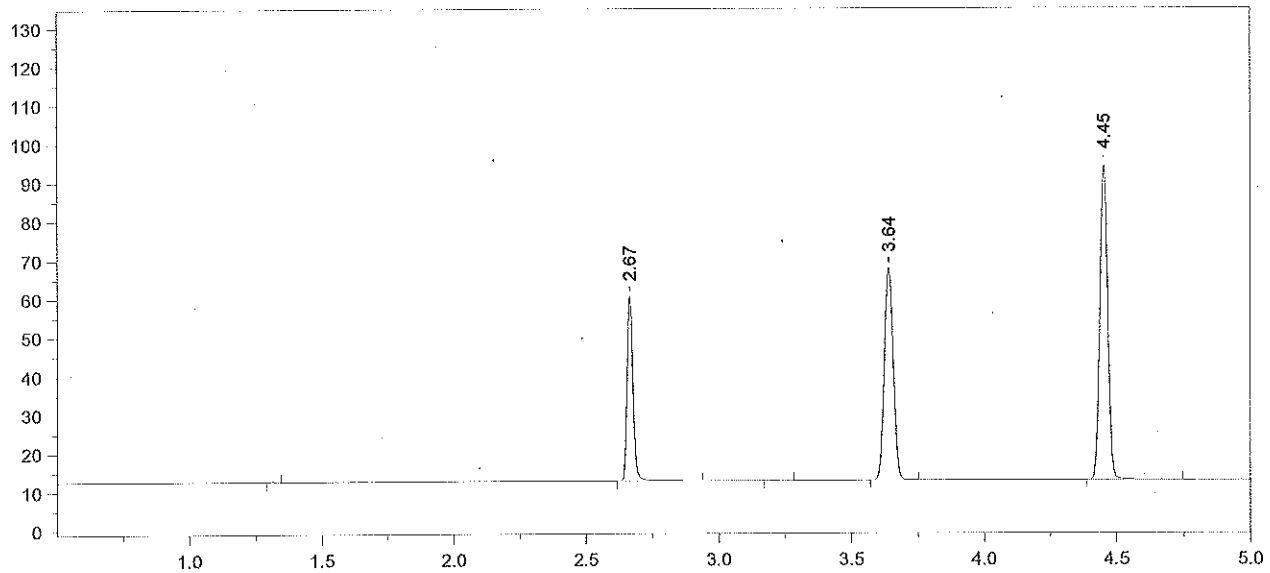
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	113888	0.1198	0.0978
4	3.64	t-Butanol	130816	1.0338	0.8438
5	4.45	n-Propanol	177781	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/26/2012
Today's Time = 7:55:54 AM
Bound File Name = SIM04252012.0019.RAW
Sample Name = CCS
Date Taken = 4/25/2012 8:32:40 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04252012.cal
Calibration Version = 3

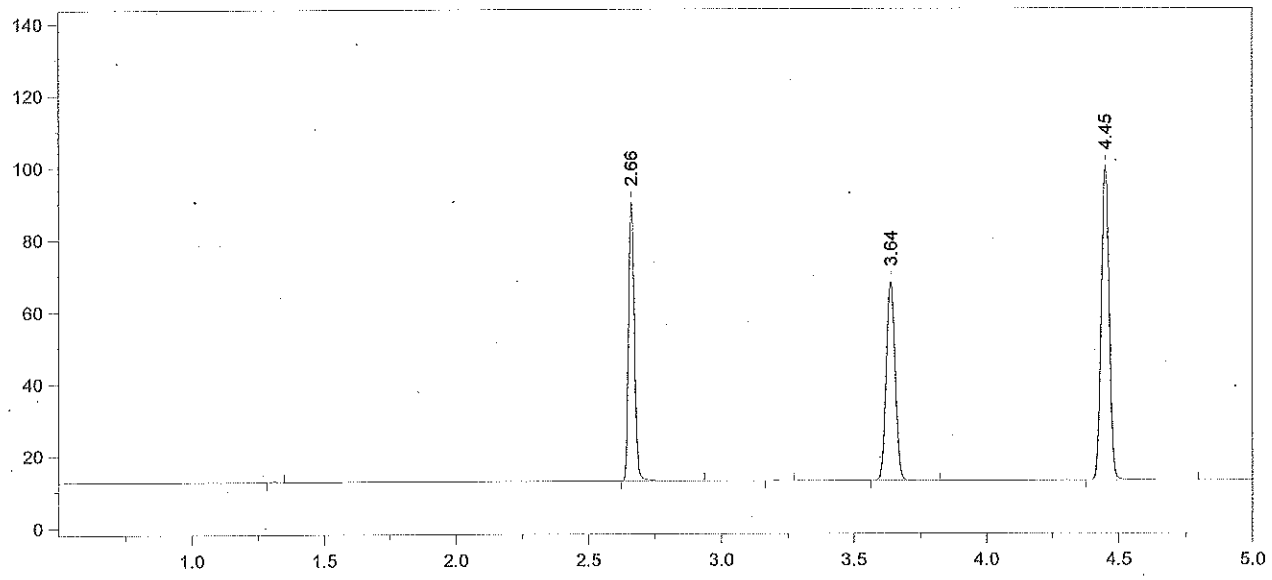
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	80558	0.0823	0.0672
4	3.64	t-Butanol	127776	0.9806	0.8004
5	4.45	n-Propanol	183077	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/26/2012
Today's Time = 7:56:01 AM
Bound File Name = SIM04252012.0020.RAW
Sample Name = CCS
Date Taken = 4/25/2012 8:50:12 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04252012.cal
Calibration Version = 3

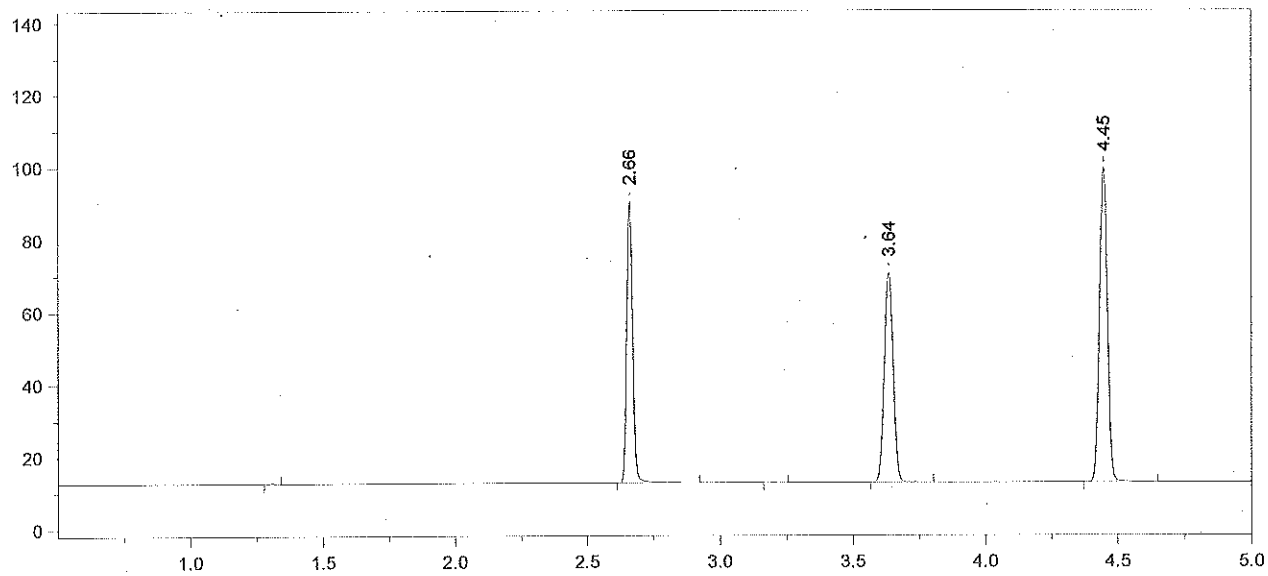
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	74466	0.0808	0.0659
4	3.64	t-Butanol	126832	1.0333	0.8434
5	4.45	n-Propanol	172448	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/26/2012
Today's Time = 7:56:07 AM
Bound File Name = SIM04252012.0021.RAW
Sample Name = 0.10 Ext Std ALB
Date Taken = 4/25/2012 9:04:10 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04252012.cal
Calibration Version = 3

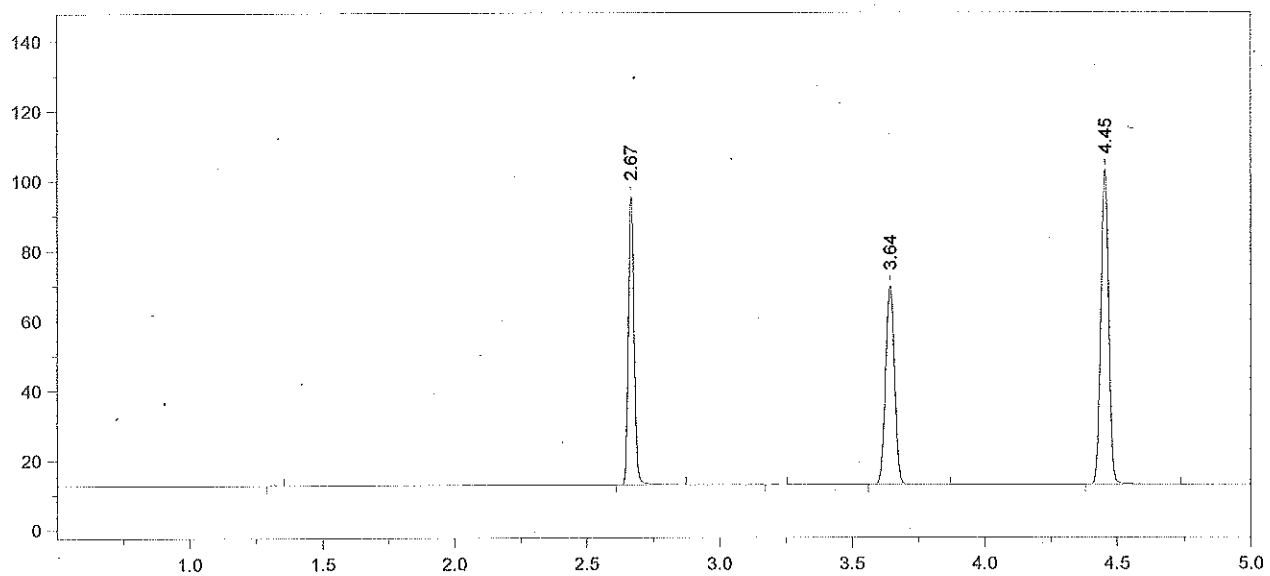
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	120320	0.1212	0.0989
4	3.64	t-Butanol	127904	0.9674	0.7896
5	4.45	n-Propanol	185751	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/26/2012
Today's Time = 7:56:13 AM
Bound File Name = SIM04252012.0022.RAW
Sample Name = 0.10 Ext Std ALB
Date Taken = 4/25/2012 9:21:39 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04252012.cal
Calibration Version = 3

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	119439	0.1214	0.0991
4	3.64	t-Butanol	133936	1.0230	0.8350
5	4.45	n-Propanol	183942	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

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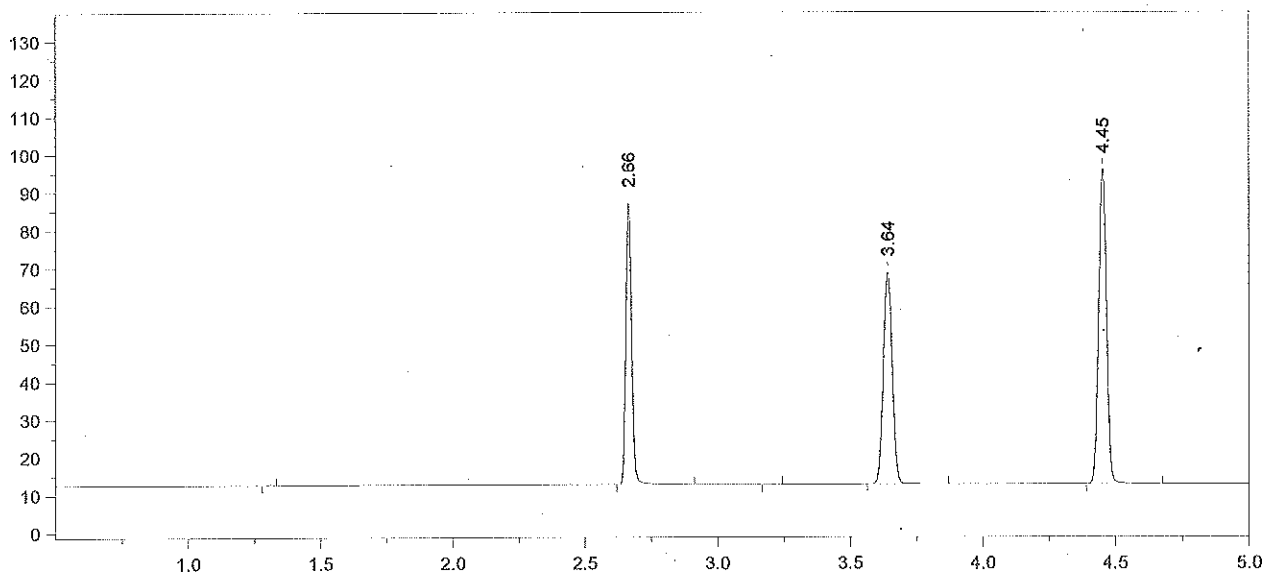
Today's Time = 7:56:19 AM
Bound File Name = SIM04252012.0023.RAW
Sample Name = 0.10 Ext Std ALB
Date Taken = 4/25/2012 9:35:22 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04252012.cal
Calibration Version = 3

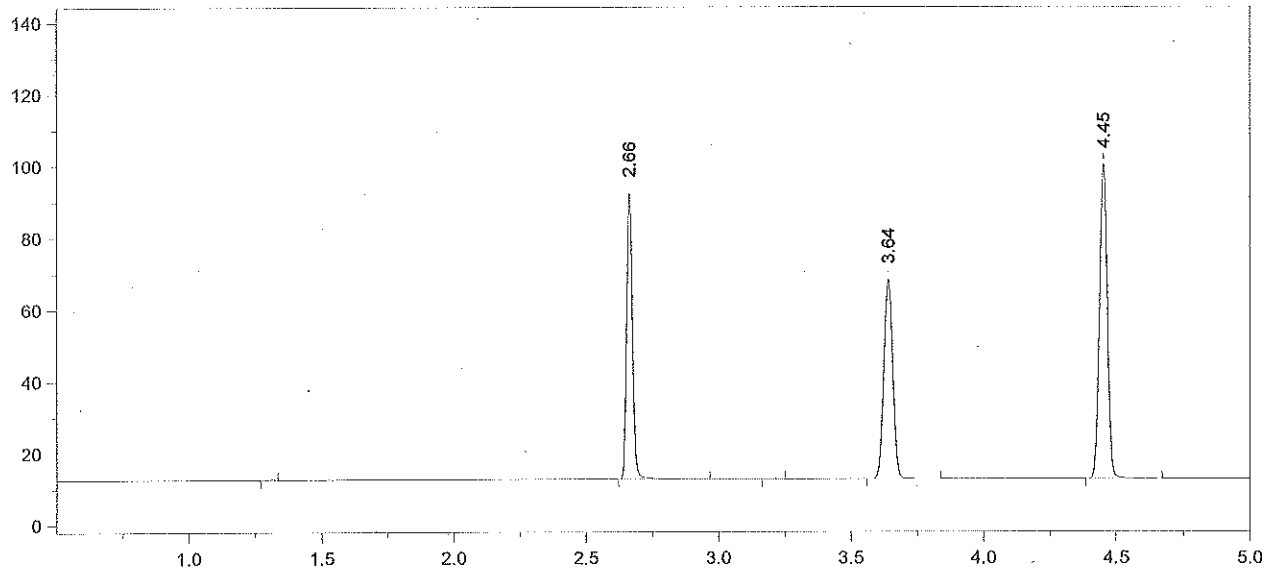
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	126533	0.1239	0.1011
4	3.64	t-Butanol	131670	0.9686	0.7906
5	4.45	n-Propanol	190995	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/26/2012
Today's Time = 7:56:26 AM
Bound File Name = SIM04252012.0024.RAW
Sample Name = 0.10 Ext Std ALB
Date Taken = 4/25/2012 9:53:03 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04252012.cal
Calibration Version = 3

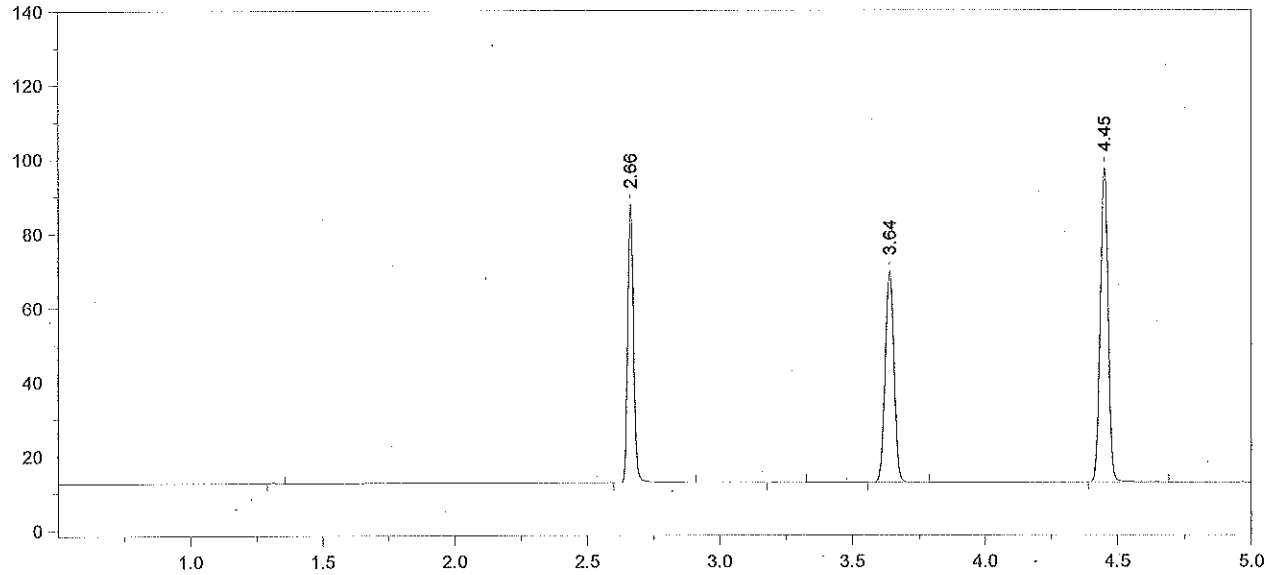
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	115112	0.1219	0.0995
4	3.64	t-Butanol	129613	1.0308	0.8413
5	4.45	n-Propanol	176662	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/26/2012
Today's Time = 7:56:34 AM
Bound File Name = SIM04252012.0025.RAW
Sample Name = 0.10 Ext Std ALB
Date Taken = 4/25/2012 10:06:49 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04252012.cal
Calibration Version = 3

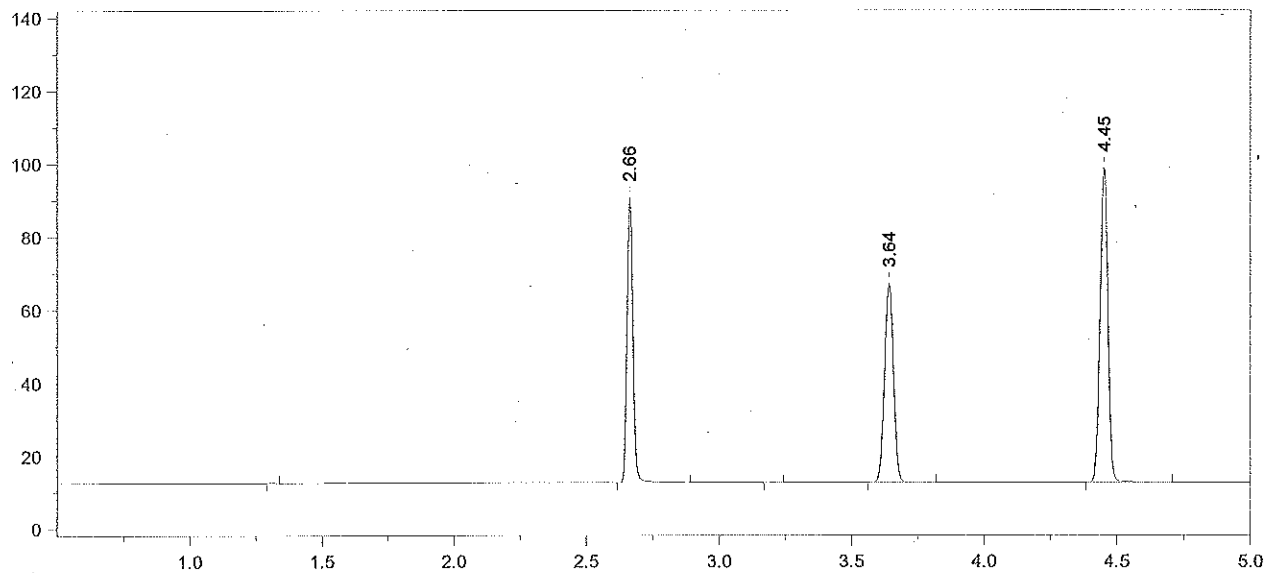
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	122957	0.1240	0.1012
4	3.64	t-Butanol	128411	0.9728	0.7940
5	4.45	n-Propanol	185457	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/26/2012
Today's Time = 7:56:42 AM
Bound File Name = SIM04252012.0026.RAW
Sample Name = 0.10 Ext Std ALB
Date Taken = 4/25/2012 10:24:27 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04252012.cal
Calibration Version = 3

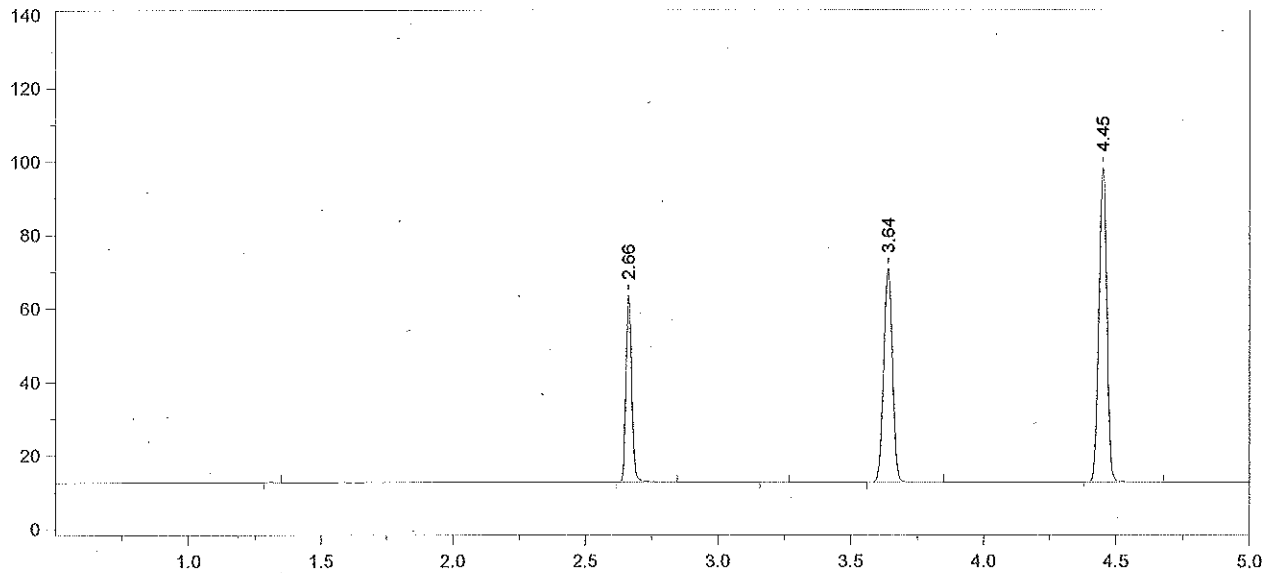
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	115538	0.1204	0.0982
4	3.64	t-Butanol	131660	1.0302	0.8409
5	4.45	n-Propanol	179551	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/26/2012
Today's Time = 7:56:49 AM
Bound File Name = SIM04252012.0027.RAW
Sample Name = 0.10 Ext Std ALB
Date Taken = 4/25/2012 10:37:45 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04252012.cal
Calibration Version = 3

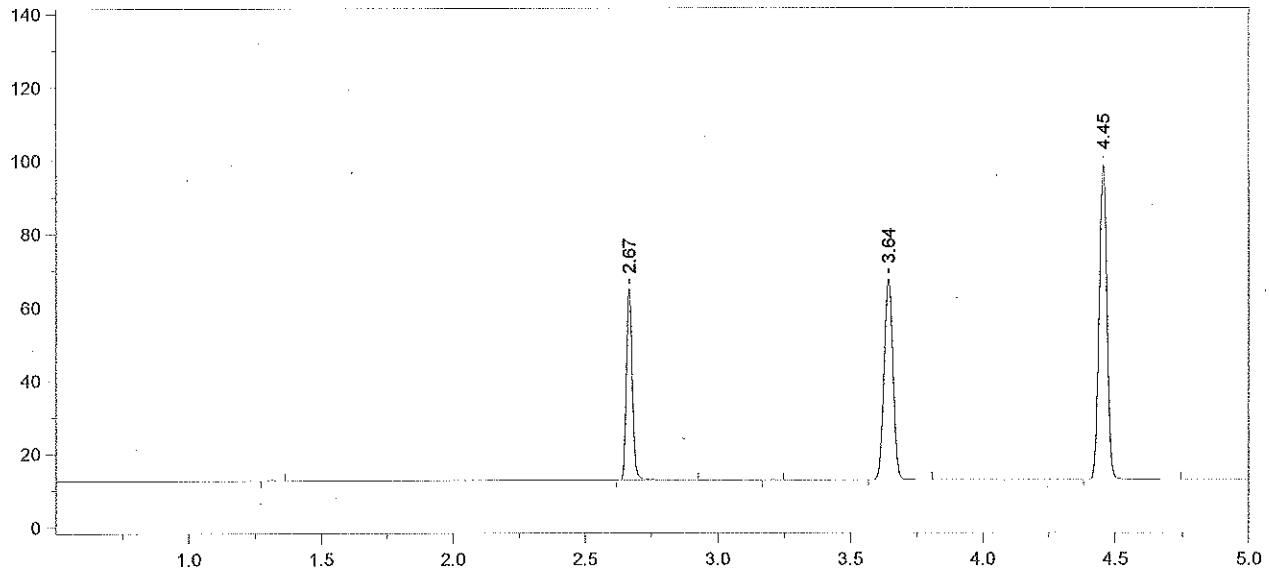
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	119680	0.1225	0.1000
4	3.64	t-Butanol	126148	0.9699	0.7916
5	4.45	n-Propanol	182738	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/26/2012 Today's Time = 7:56:57 AM
Bound File Name = SIM04252012.0028.RAW
Sample Name = CCS
Date Taken = 4/25/2012 10:55:52 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04252012.cal Calibration Version = 3

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	78181	0.0804	0.0656
4	3.64	t-Butanol	133788	1.0334	0.8434
5	4.45	n-Propanol	181898	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/26/2012
Today's Time = 7:57:05 AM
Bound File Name = SIM04252012.0029.RAW
Sample Name = CCS
Date Taken = 4/25/2012 11:09:32 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04252012.cal
Calibration Version = 3

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	80599	0.0828	0.0676
4	3.64	t-Butanol	126397	0.9754	0.7961
5	4.45	n-Propanol	182069	1.0000	0.8162