VERMONT FORENSIC LABORATORY

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Certificate of Analysis of DataMaster External Standard Solution

On 4/17/2012, an ethanol solution was prepared by Amanda Bolduc for use as a DataMaster External Standard solution. The solution was prepared per standard laboratory practice and assigned the lot number 12-70-100 and an expiration date of 4/17/2013.

On 4/17/2012 and 4/23/2012, the solution was analyzed against calibration SimCal 041712 and SimCal 042312, respectively. 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 Tuesday, April 24, 2012.

Amanda Bolduc

0.1 External Standard Solution 20L
Lot # 12-70-100
Prepared 04/17/2012 by ALB
Exp 04/17/2013

ALB CAL SimCal 041712
ALB/TLCVials
Analyzed on 4/17/2012

0.0995 alb
0.0991
0.1019
0.0996
0.0989
0.0993
0.1008
0.0976 tlc
0.0998
0.0974
0.0993
0.0974
0.0987
0.0971

Ave. = 0.0990
Std Dev. = 0.0014
Range = 0.0971 - 0.1019

ALB CAL SimCal042312
ALB/TLC Vials
Analyzed on 4/23/12

0.1029 alb
0.1016
0.1019
0.1011
0.1023
0.1004
0.1008
0.0991 tlc
0.1007
0.0995
0.1007
0.0981
0.1001
0.0987

Ave. = 0.1006
Std Dev. = 0.0014
Range = 0.0981 - 0.1029

Total Values from Both Runs

Average	**Mean**
0.0995	0.0971
0.0991	0.0974
0.1019	0.0976
0.0996	0.0981
0.0989	0.0987
0.0993	0.0989
0.1008	0.0991
0.0976	0.0993
0.0998	0.0995
0.0974	0.0996
0.0993	0.0998
0.0974	0.1001
0.0987	0.1004
0.0971	0.1007
0.1029	0.1008
0.1016	0.1011
0.1019	0.1016
0.1011	0.1019
0.1023	0.1023
0.1004	0.1029
0.1008	
0.0991	
0.1007	
0.0995	
0.1007	
0.0981	
0.1001	
0.0987	
Ave. =	0.0998
Std Dev. =	0.0016
Range =	0.0971 - 0.1029
Mean =	0.0998
Mean Std Dev. =	0.0016
RPD (Mean to Ave.)=	0.00%

TLG 4/24/2012

Headspace Alcohol Analysis Standards Coversheet

Sim Soln

Analyst: ALB Date: 4/17/12

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	~~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	2.03		
		Ethanol	2.67		
		Acetone	3.07		
		Isopropanol	3.20		
		T- butanol	3.64		
		n-propanol	4.45		
3/4	Standard A		0.0052	Y N	
4/5	Standard B		0.022	Y N	
5/6	Standard C		0.080	Y N	
6/7	Standard D		0.205	Y N	
7/8	Standard E		0.407	Y N	
8/9	~~Whole Blood Control~~ AQ QC		0.1030	Y N	
9/10	~~Whole Blood Control~~ AQ QC		0.0989	Y N	$\bar{x}$ = 0.101 ✓

ELA 4/24/2012

File Name: C:\Methods\SimCal 04172012.cal
Version: 8

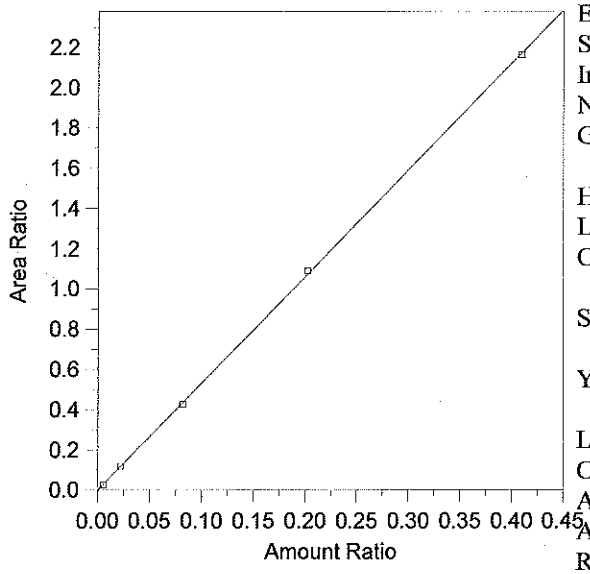
Creator:
Description:
Reason for change:

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

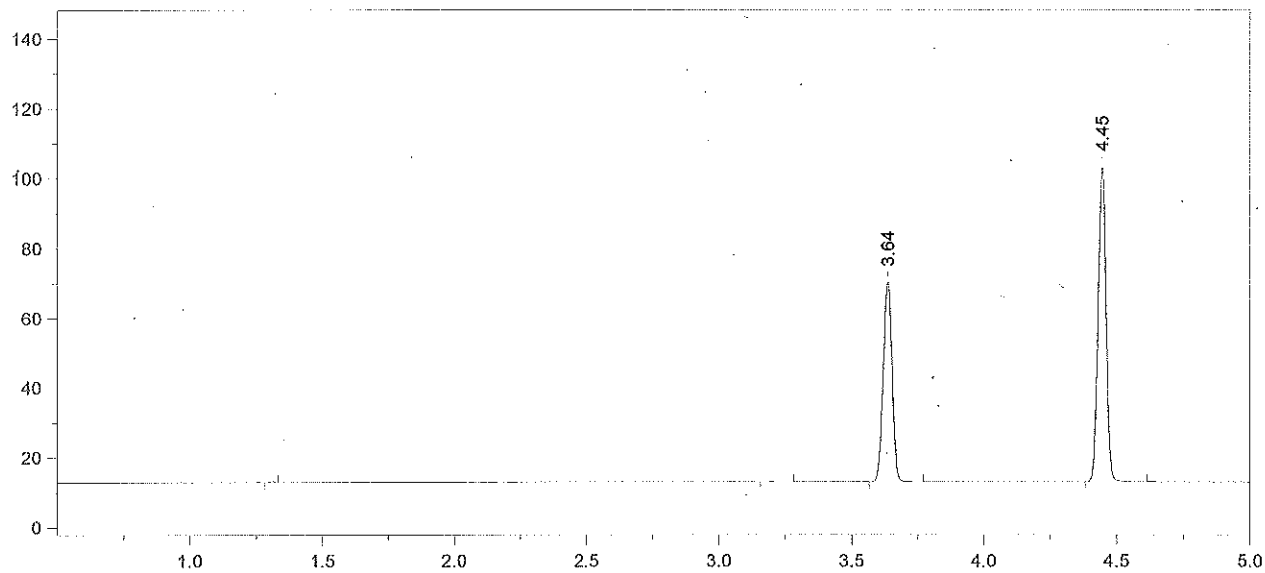
High alarm limit: 0
Low alarm limit: 0
Component constant: 0

Single peak quantification by area

$Y = 5.306991\ X + 0$

Linear fit with equal weighting, forced to origin
Coefficient of determination: 0.9998562
Average error: 1.929%
Average CF: 5.268428
RSD: 2.563%

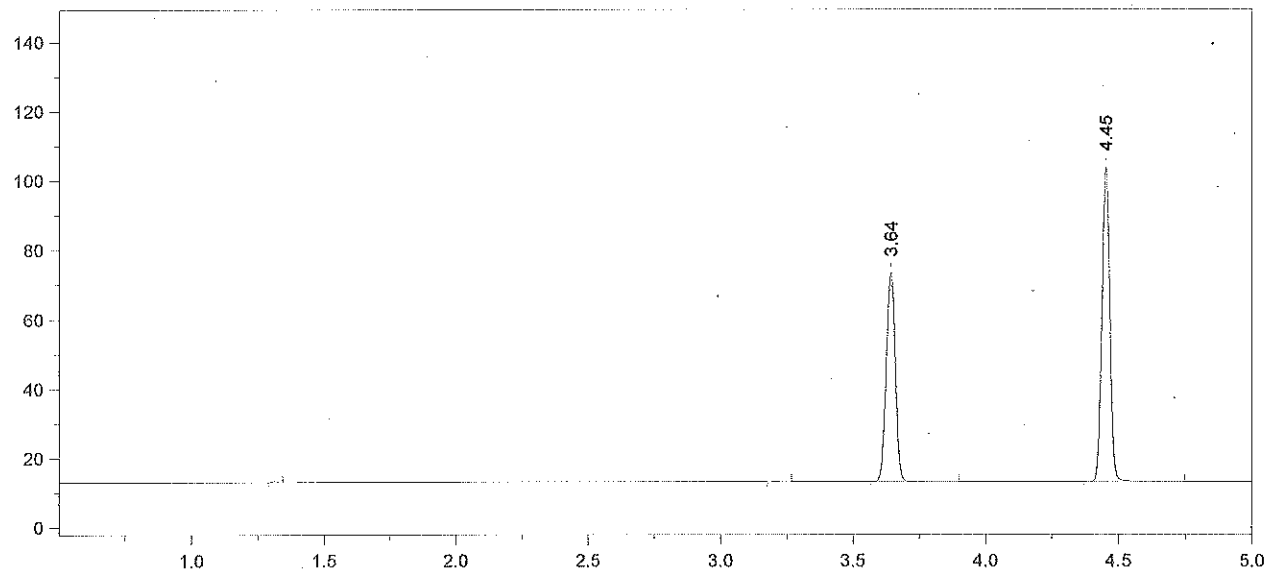
Level	Amount	Response	Cal Factor	Error, %	Amount Ratio	Response Ratio	Source	Date and time
1	(0.088)	(85146)	--	--	0.088	85146	Manual	2/24/2012 1:50:47 PM
2	0.0055	5206.625	946659.1	-4.565	0.0055	2.785607E-02	C:\Alcohol Data\SIM04172012\SIM04172012.0004.BND	4/18/2012 7:20:43 AM
3	0.022	22405.21	1018419	1.302	0.022	0.1182739	C:\Alcohol Data\SIM04172012\SIM04172012.0005.BND	4/18/2012 7:20:53 AM
4	0.082	78993.15	963331.1	-1.724	0.082	0.4276701	C:\Alcohol Data\SIM04172012\SIM04172012.0006.BND	4/18/2012 7:21:01 AM
5	0.202	210662.8	1042885	1.703	0.202	1.090266	C:\Alcohol Data\SIM04172012\SIM04172012.0007.BND	4/18/2012 7:21:08 AM
6	0.409	415754.3	1016514	-0.349	0.409	2.162984	C:\Alcohol Data\SIM04172012\SIM04172012.0008.BND	4/18/2012 7:21:14 AM



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/18/2012 Today's Time = 7:22:07 AM
Bound File Name = SIM04172012.0001.RAW
Sample Name = Blank
Date Taken = 4/17/2012 1:10:04 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04172012.cal Calibration Version = 8

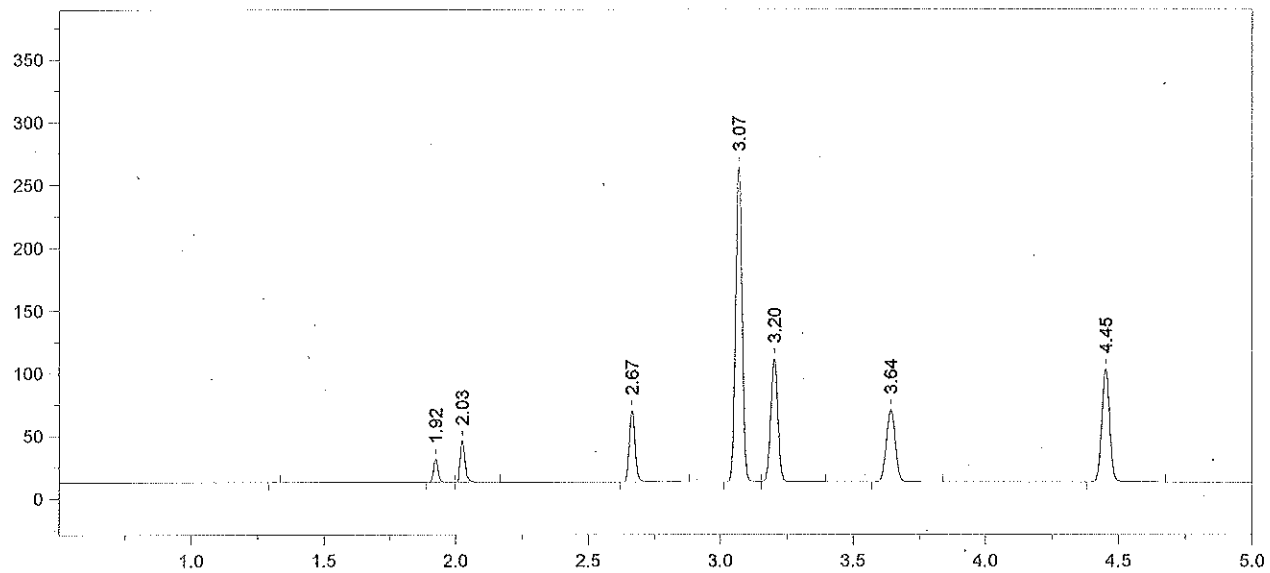
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	3.64	t-Butanol	131506	0.9749	0.7957
4	4.45	n-Propanol	189997	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/18/2012
Today's Time = 7:22:13 AM
Bound File Name = SIM04172012.0002.RAW
Sample Name = Blank
Date Taken = 4/17/2012 1:25:45 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04172012.cal
Calibration Version = 8

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	3.64	t-Butanol	139709	1.0240	0.8358
4	4.45	n-Propanol	192163	1.0000	0.8162



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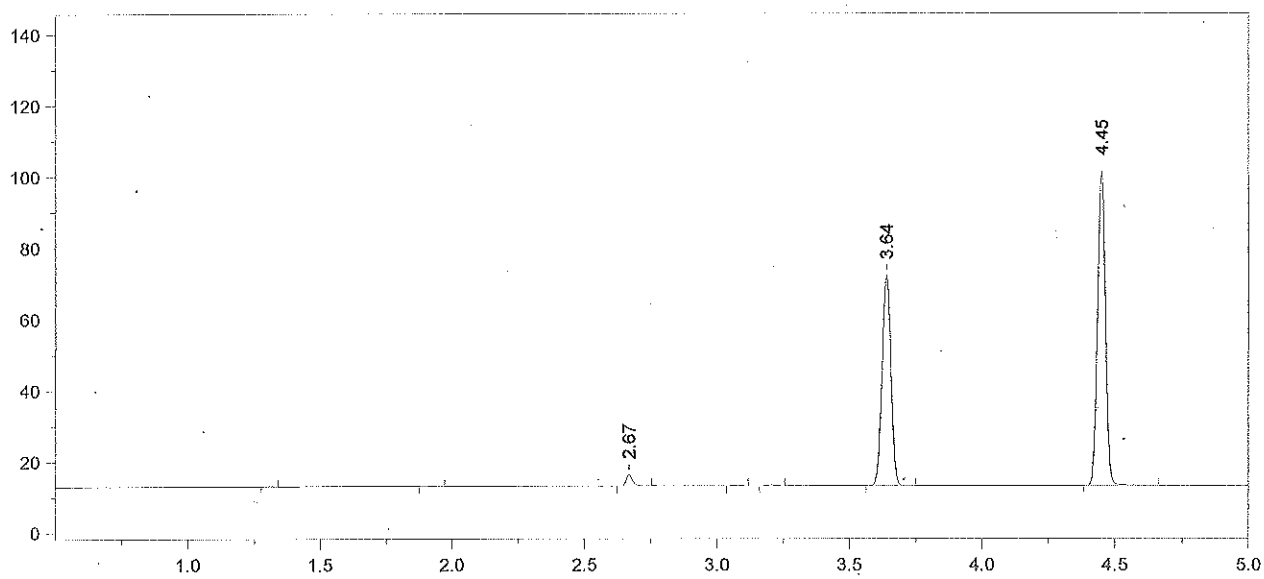
Today's Date = 4/18/2012 Today's Time = 7:22:19 AM
Bound File Name = SIM04172012.0003.RAW
Sample Name = TMX
Date Taken = 4/17/2012 1:40:36 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04172012.cal Calibration Version = 8

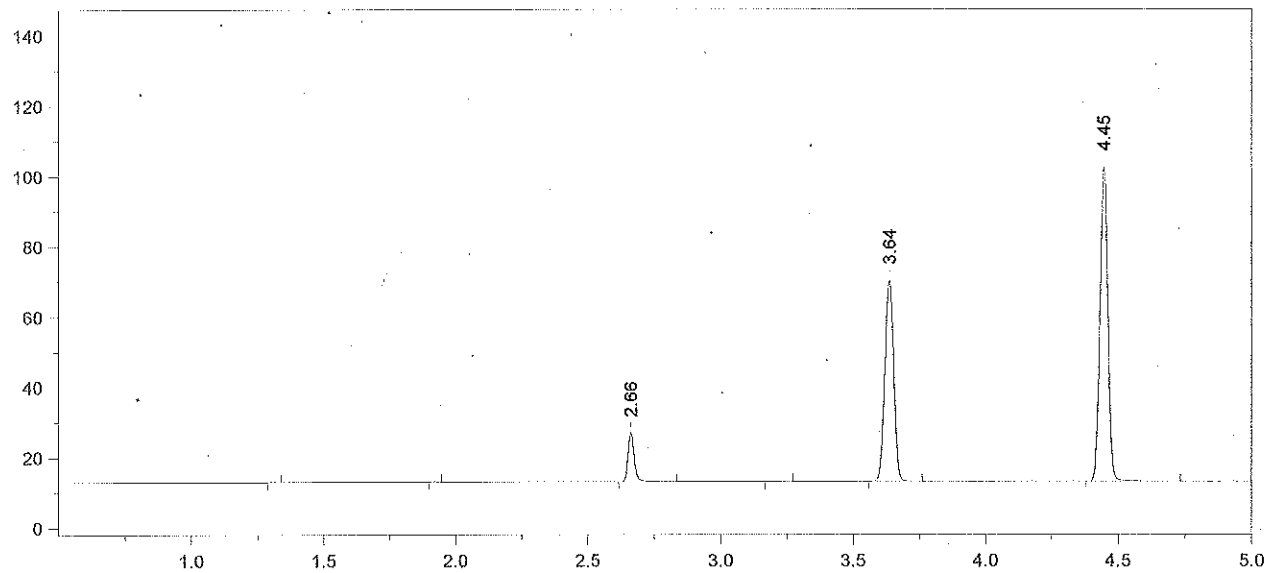
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	1.92	Acetaldehyde	21373	0.0650	0.0531
3	2.03	Methanol	42049	0.0890	0.0726
4	2.67	Ethanol	88565	0.0872	0.0712
5	3.07	Acetone	426502	0.1030	0.0841
6	3.20	Isopropanol	182573	0.0910	0.0743
7	3.64	t-Butanol	132604	0.9761	0.7967
8	4.45	n-Propanol	191346	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/18/2012 Today's Time = 7:22:25 AM
Bound File Name = SIM04172012.0004.RAW
Sample Name = STD A
Date Taken = 4/17/2012 1:57:15 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04172012.cal Calibration Version = 8

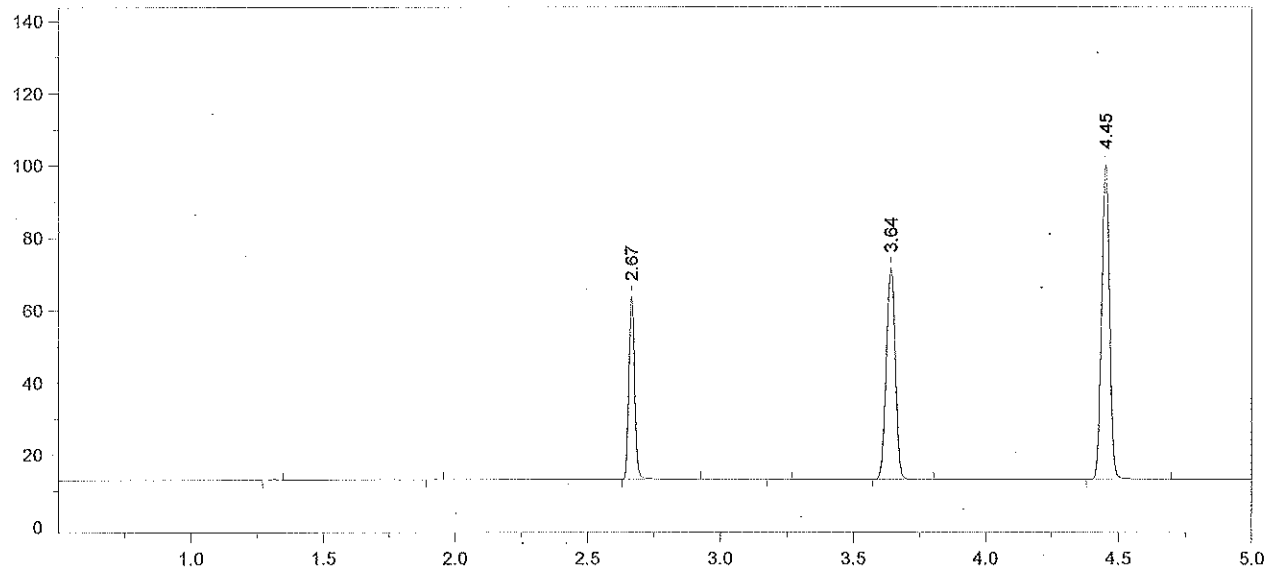
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	2.67	Ethanol	05207	0.0052	0.0043
6	3.64	t-Butanol	136030	1.0250	0.8366
7	4.45	n-Propanol	186912	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/18/2012 Today's Time = 7:22:33 AM
Bound File Name = SIM04172012.0005.RAW
Sample Name = STD B
Date Taken = 4/17/2012 2:11:13 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04172012.cal Calibration Version = 8

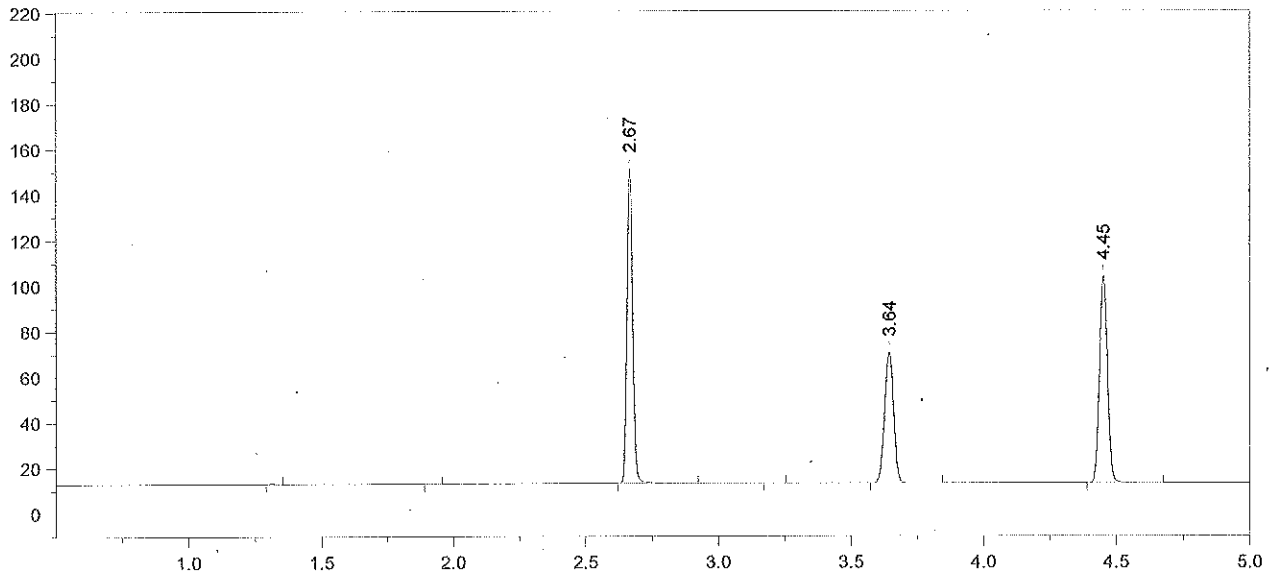
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	2.66	Ethanol	22405	0.0223	0.0182
5	3.64	t-Butanol	131930	0.9809	0.8006
6	4.45	n-Propanol	189435	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/18/2012
Today's Time = 7:22:39 AM
Bound File Name = SIM04172012.0006.RAW
Sample Name = STD C
Date Taken = 4/17/2012 2:28:38 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04172012.cal
Calibration Version = 8

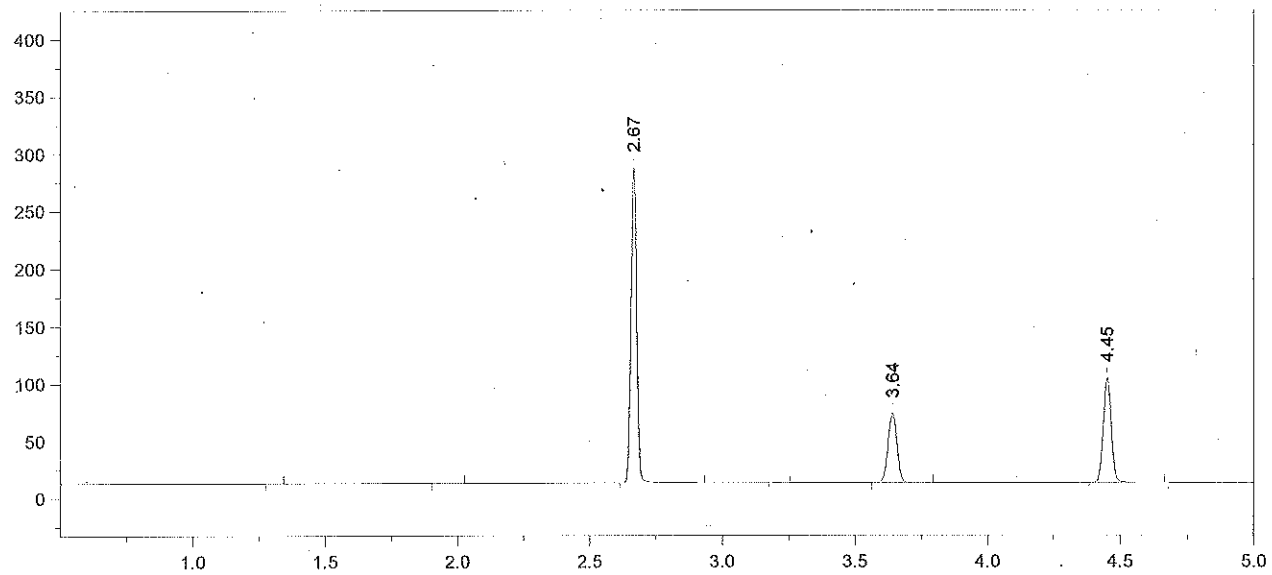
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	2.67	Ethanol	78993	0.0806	0.0658
5	3.64	t-Butanol	135665	1.0345	0.8444
6	4.45	n-Propanol	184706	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/18/2012
Today's Time = 7:22:44 AM
Bound File Name = SIM04172012.0007.RAW
Sample Name = STD D
Date Taken = 4/17/2012 2:42:24 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04172012.cal
Calibration Version = 8

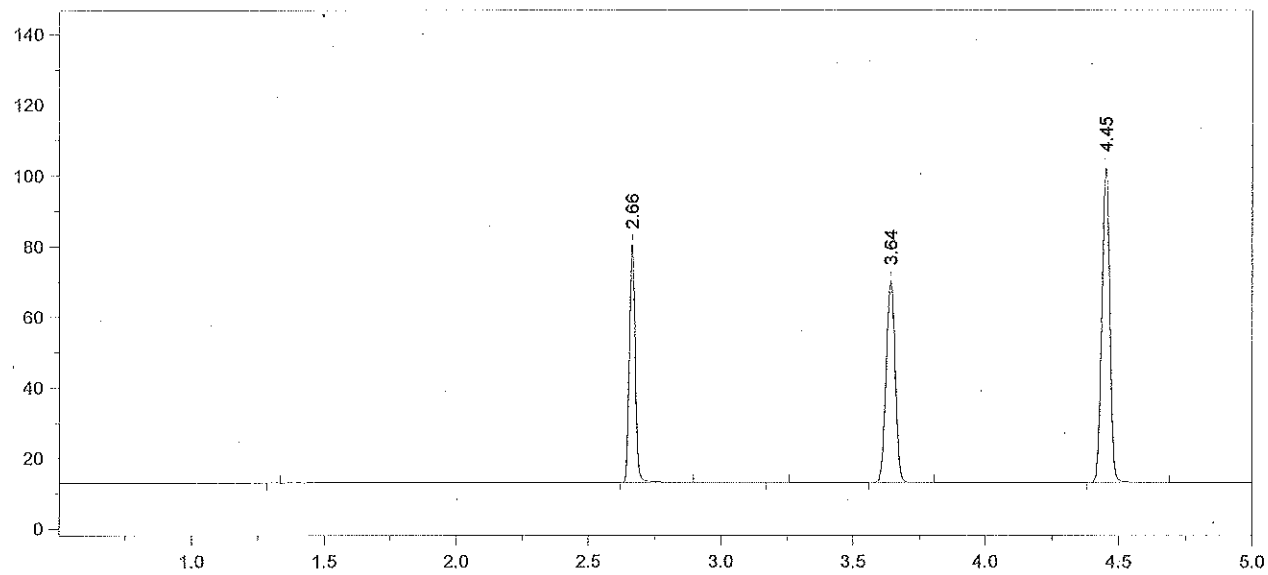
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	2.67	Ethanol	210663	0.2054	0.1677
5	3.64	t-Butanol	132527	0.9660	0.7885
6	4.45	n-Propanol	193221	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/18/2012
Today's Time = 7:22:50 AM
Bound File Name = SIM04172012.0008.RAW
Sample Name = STD E
Date Taken = 4/17/2012 2:58:20 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04172012.cal
Calibration Version = 8

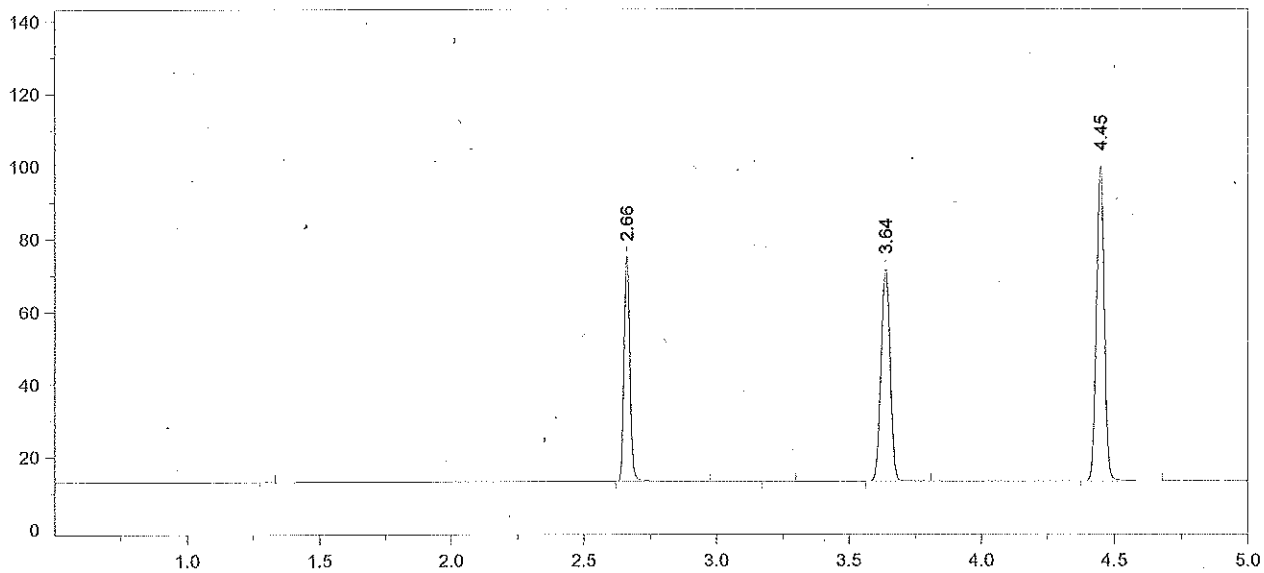
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	2.67	Ethanol	415754	0.4076	0.3327
5	3.64	t-Butanol	138854	1.0175	0.8304
6	4.45	n-Propanol	192213	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/18/2012 Today's Time = 7:22:58 AM
Bound File Name = SIM04172012.0009.RAW
Sample Name = AQ QC
Date Taken = 4/17/2012 3:13:59 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04172012.cal Calibration Version = 8

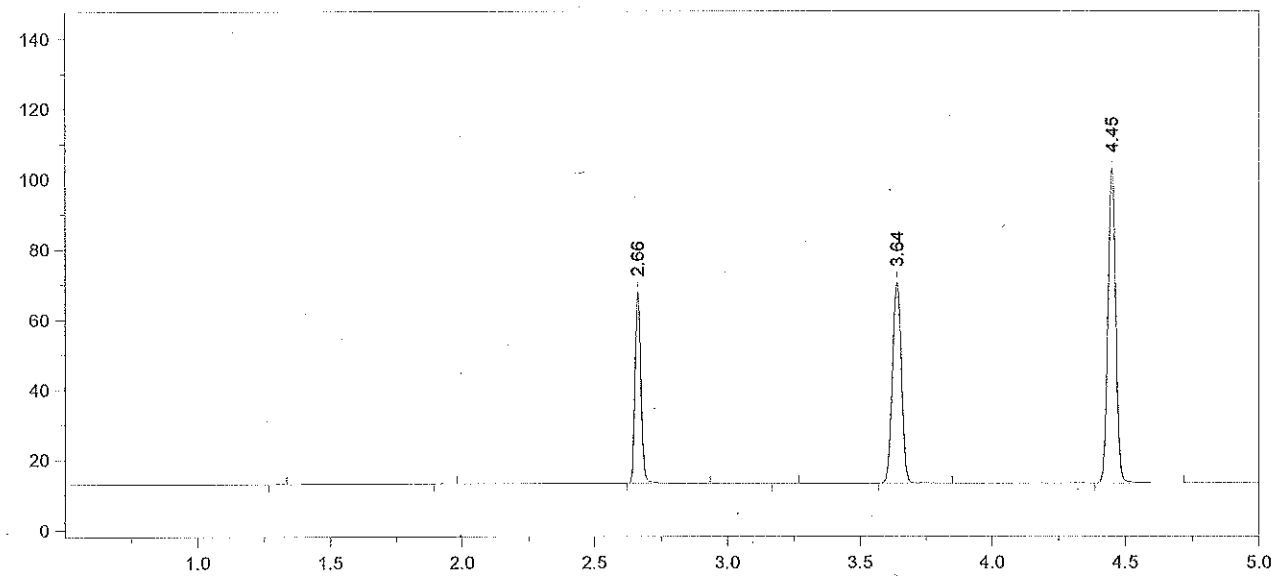
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	103495	0.1030	0.0841
4	3.64	t-Butanol	131639	0.9793	0.7993
5	4.45	n-Propanol	189335	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/18/2012
Today's Time = 7:23:04 AM
Bound File Name = SIM04172012.0010.RAW
Sample Name = AQ QC
Date Taken = 4/17/2012 3:29:57 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04172012.cal
Calibration Version = 8

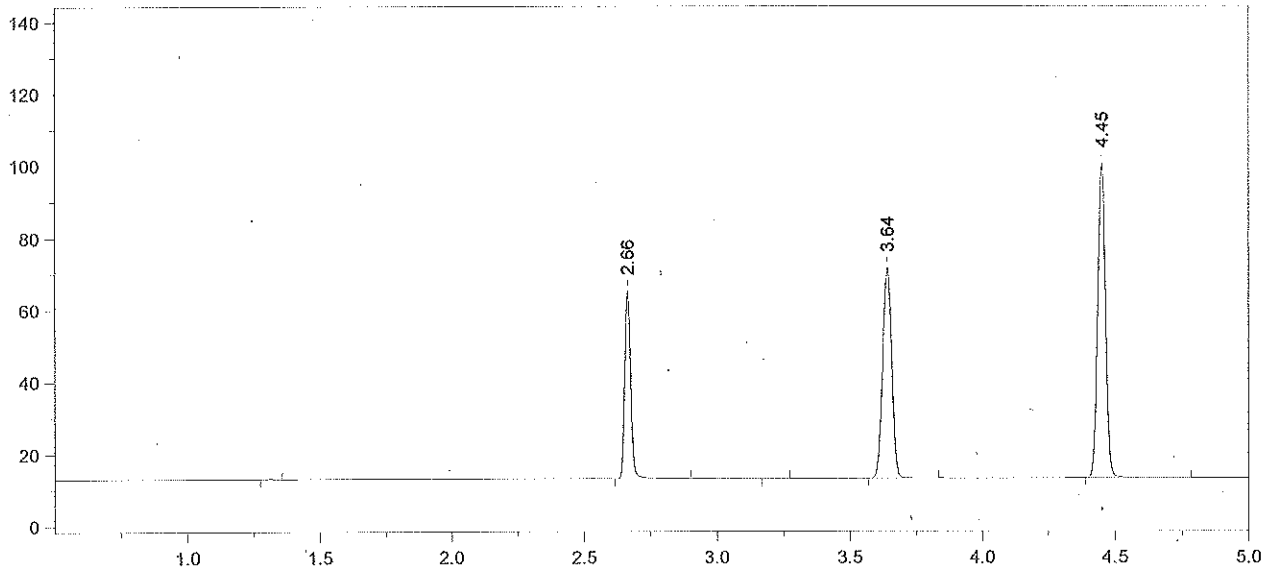
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	96801	0.0989	0.0808
4	3.64	t-Butanol	134741	1.0295	0.8402
5	4.45	n-Propanol	184347	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/18/2012
Today's Time = 7:23:11 AM
Bound File Name = SIM04172012.0011.RAW
Sample Name = CCS
Date Taken = 4/17/2012 3:44:25 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04172012.cal
Calibration Version = 8

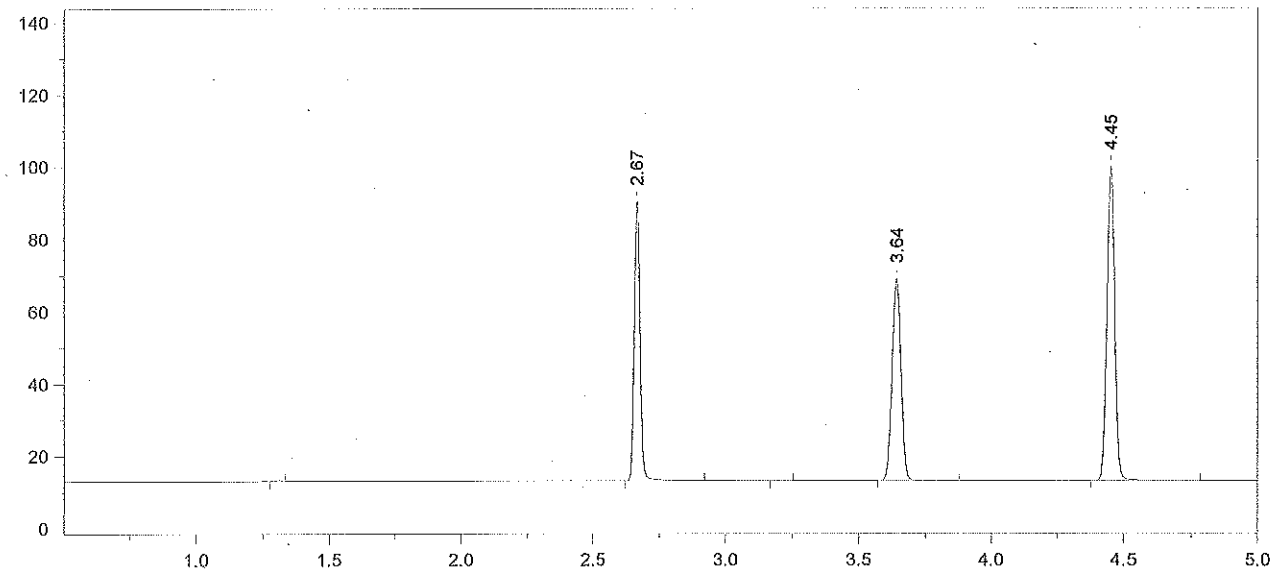
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	2.66	Ethanol	84695	0.0838 ✓	0.0684
5	3.64	t-Butanol	131985	0.9766	0.7971
6	4.45	n-Propanol	190346	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/18/2012
Today's Time = 7:23:17 AM
Bound File Name = SIM04172012.0012.RAW
Sample Name = CCS
Date Taken = 4/17/2012 4:01:21 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04172012.cal
Calibration Version = 8

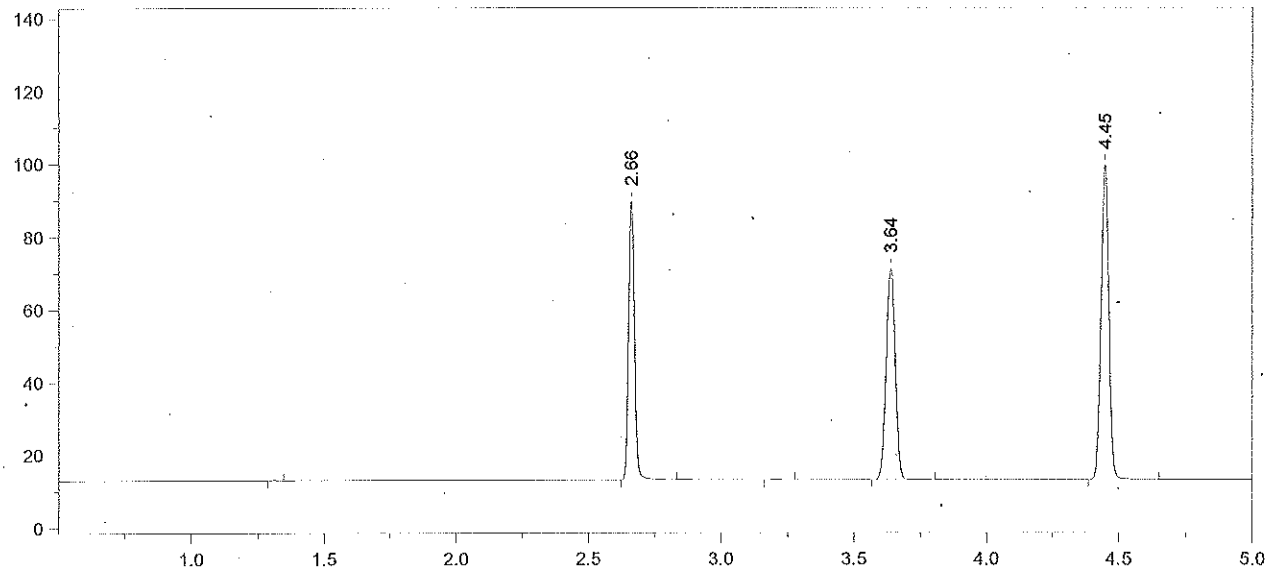
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	80286	0.0819 ✓	0.0668
4	3.64	t-Butanol	134883	1.0284	0.8394
5	4.45	n-Propanol	184732	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/18/2012
Today's Time = 7:23:23 AM
Bound File Name = SIM04172012.0013.RAW
Sample Name = 0.10 Ext Std ALB
Date Taken = 4/17/2012 4:14:37 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04172012.cal
Calibration Version = 8

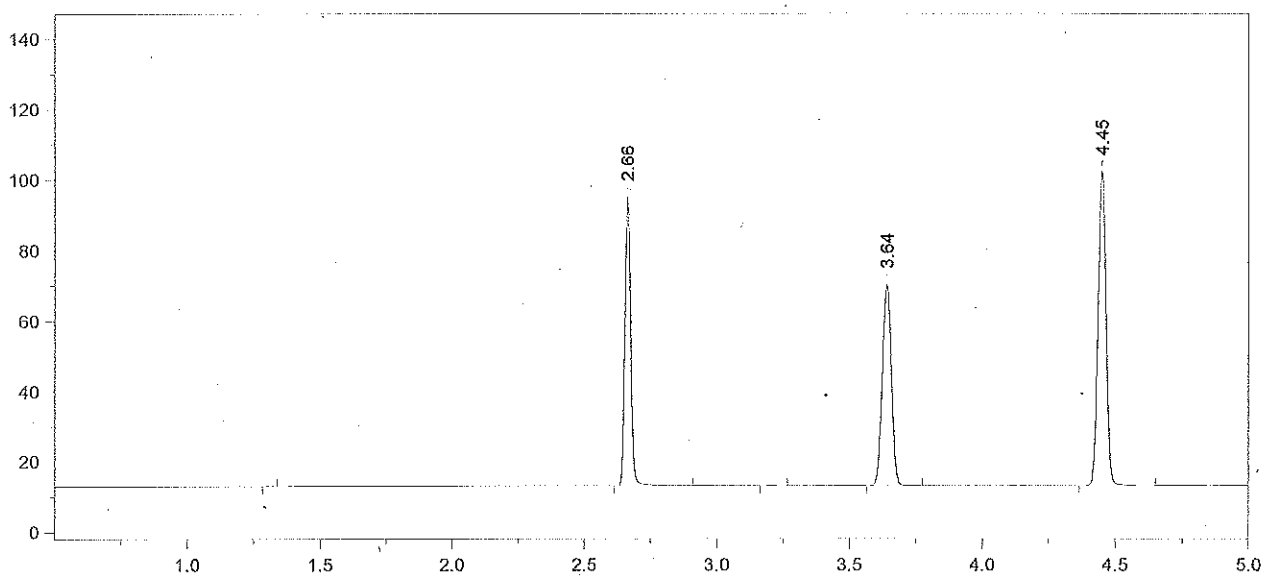
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	119137	0.1219	0.0995
4	3.64	t-Butanol	128656	0.9838	0.8030
5	4.45	n-Propanol	184188	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/18/2012
Today's Time = 7:23:30 AM
Bound File Name = SIM04172012.0014.RAW
Sample Name = 0.10 Ext Std ALB
Date Taken = 4/17/2012 4:32:45 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04172012.cal
Calibration Version = 8

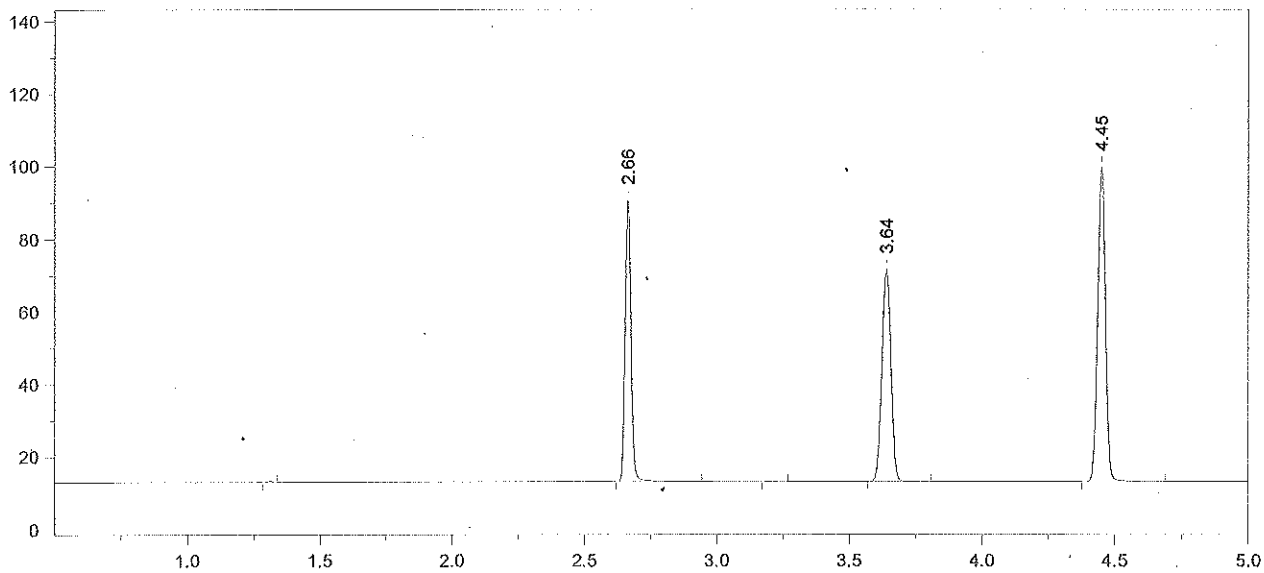
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	118043	0.1214	0.0991
4	3.64	t-Butanol	134103	1.0312	0.8416
5	4.45	n-Propanol	183169	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/18/2012 Today's Time = 7:23:38 AM
Bound File Name = SIM04172012.0015.RAW
Sample Name = 0.10 Ext Std ALB
Date Taken = 4/17/2012 4:46:44 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04172012.cal Calibration Version = 8

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	125238	0.1248	0.1019
4	3.64	t-Butanol	131555	0.9802	0.8000
5	4.45	n-Propanol	189031	1.0000	0.8162



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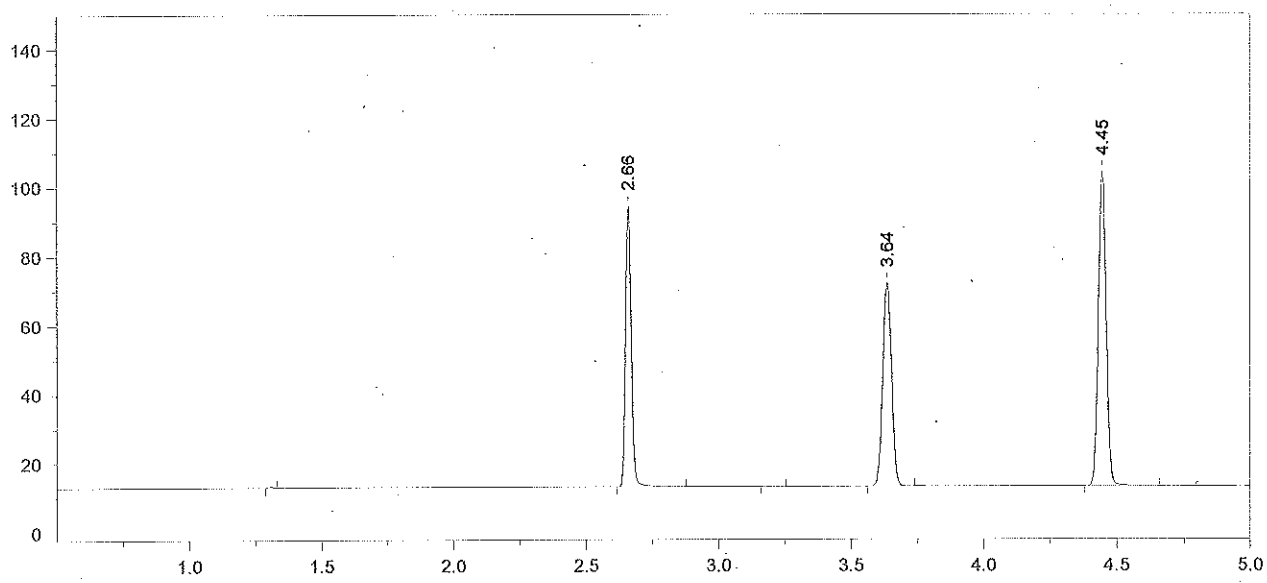
Today's Time = 7:23:44 AM
Bound File Name = SIM04172012.0016.RAW
Sample Name = 0.10 Ext Std ALB
Date Taken = 4/17/2012 5:04:10 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04172012.cal
Calibration Version = 8

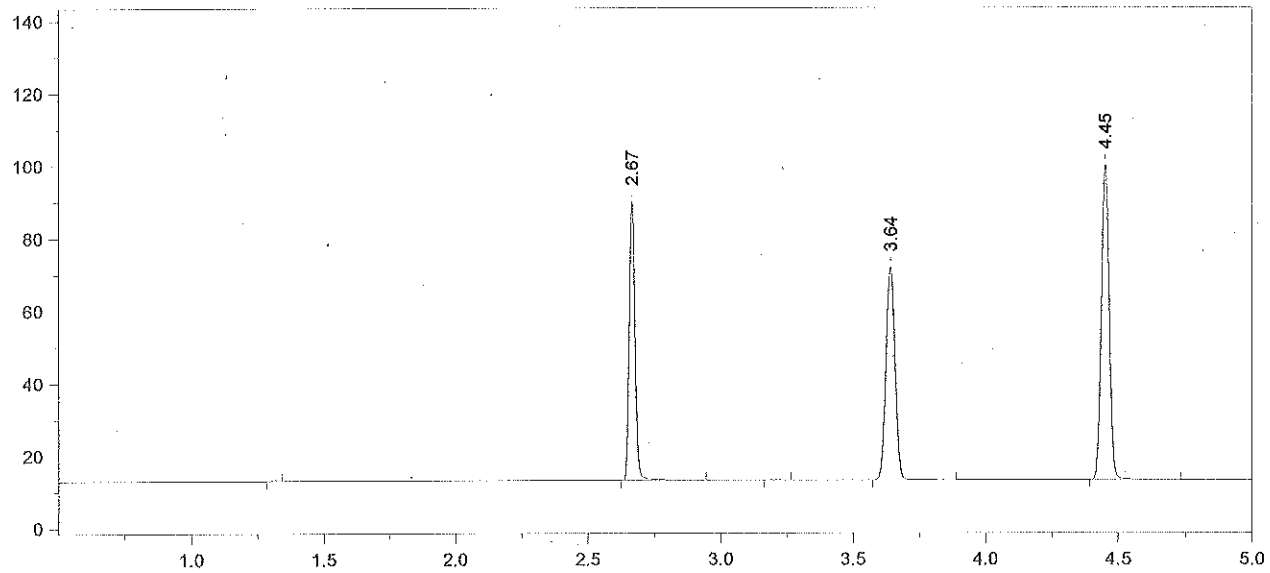
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	118768	0.1220	0.0996
4	3.64	t-Butanol	134390	1.0321	0.8424
5	4.45	n-Propanol	183400	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/18/2012
Today's Time = 7:23:50 AM
Bound File Name = SIM04172012.0017.RAW
Sample Name = 0.10 Ext Std ALB
Date Taken = 4/17/2012 5:17:56 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04172012.cal
Calibration Version = 8

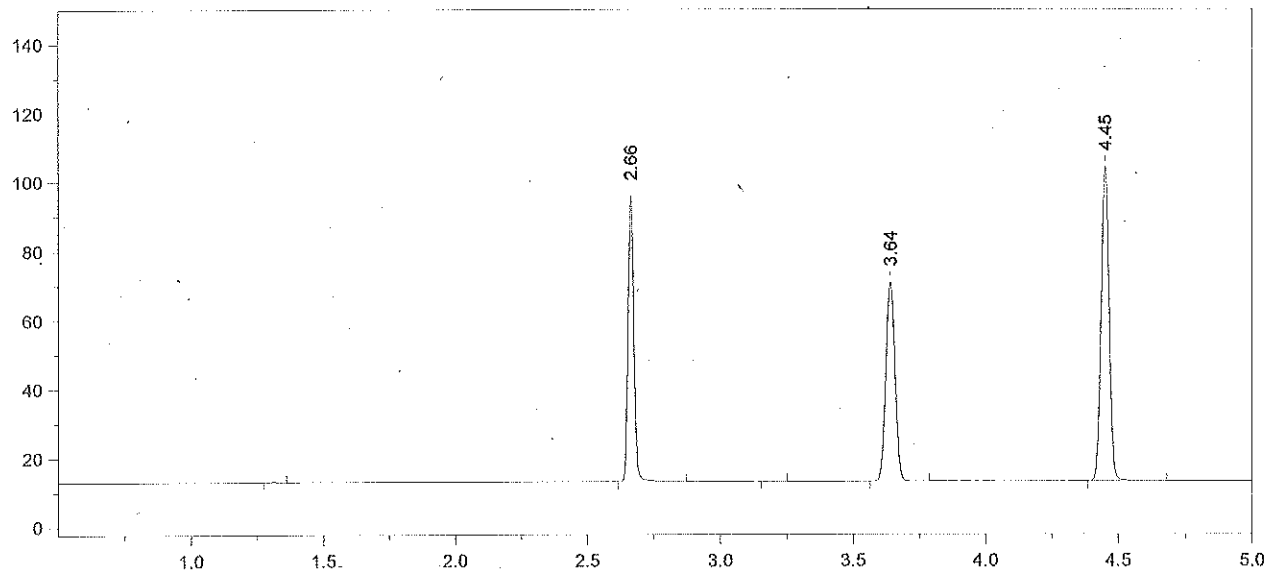
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	124084	0.1211	0.0989
4	3.64	t-Butanol	135317	0.9873	0.8058
5	4.45	n-Propanol	193039	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/18/2012
Today's Time = 7:23:56 AM
Bound File Name = SIM04172012.0018.RAW
Sample Name = 0.10 Ext Std ALB
Date Taken = 4/17/2012 5:35:34 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04172012.cal
Calibration Version = 8

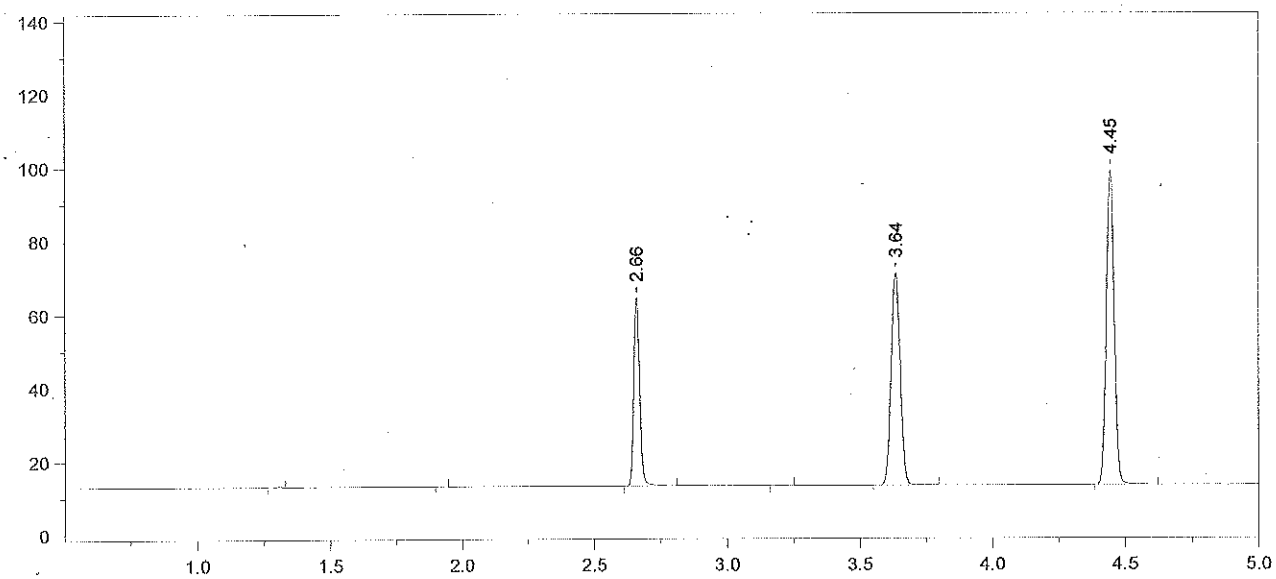
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	119480	0.1217	0.0993
4	3.64	t-Butanol	135551	1.0322	0.8424
5	4.45	n-Propanol	184969	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/18/2012
Today's Time = 7:24:03 AM
Bound File Name = SIM04172012.0019.RAW
Sample Name = 0.10 Ext Std ALB
Date Taken = 4/17/2012 5:48:50 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04172012.cal
Calibration Version = 8

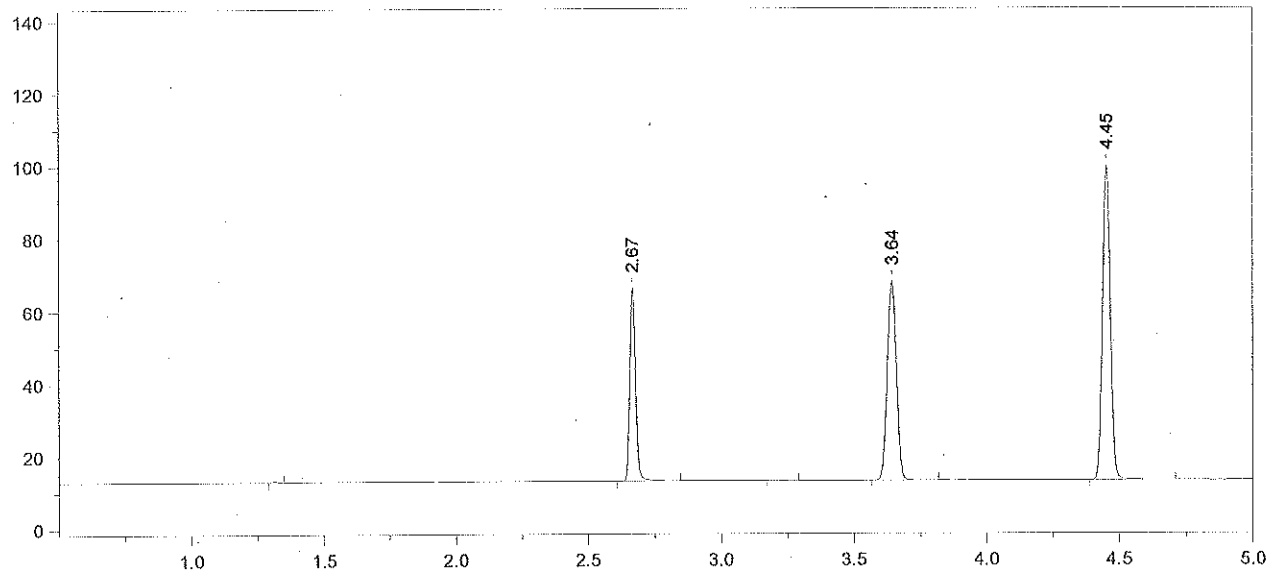
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	126251	0.1235	0.1008
4	3.64	t-Butanol	133442	0.9761	0.7967
5	4.45	n-Propanol	192558	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/18/2012
Today's Time = 7:24:09 AM
Bound File Name = SIM04172012.0020.RAW
Sample Name = CCS
Date Taken = 4/17/2012 6:06:59 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04172012.cal
Calibration Version = 8

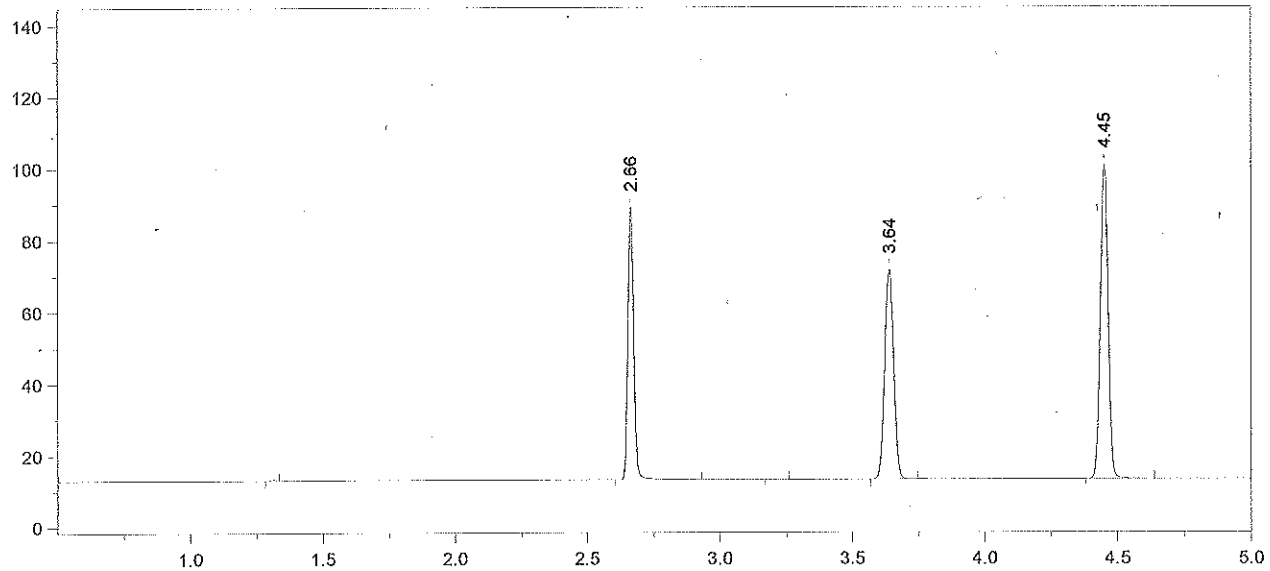
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	2.66	Ethanol	79188	0.0820	0.0669
5	3.64	t-Butanol	133115	1.0300	0.8407
6	4.45	n-Propanol	182025	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/18/2012
Today's Time = 7:24:15 AM
Bound File Name = SIM04172012.0021.RAW
Sample Name = CCS
Date Taken = 4/17/2012 6:20:42 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04172012.cal
Calibration Version = 8

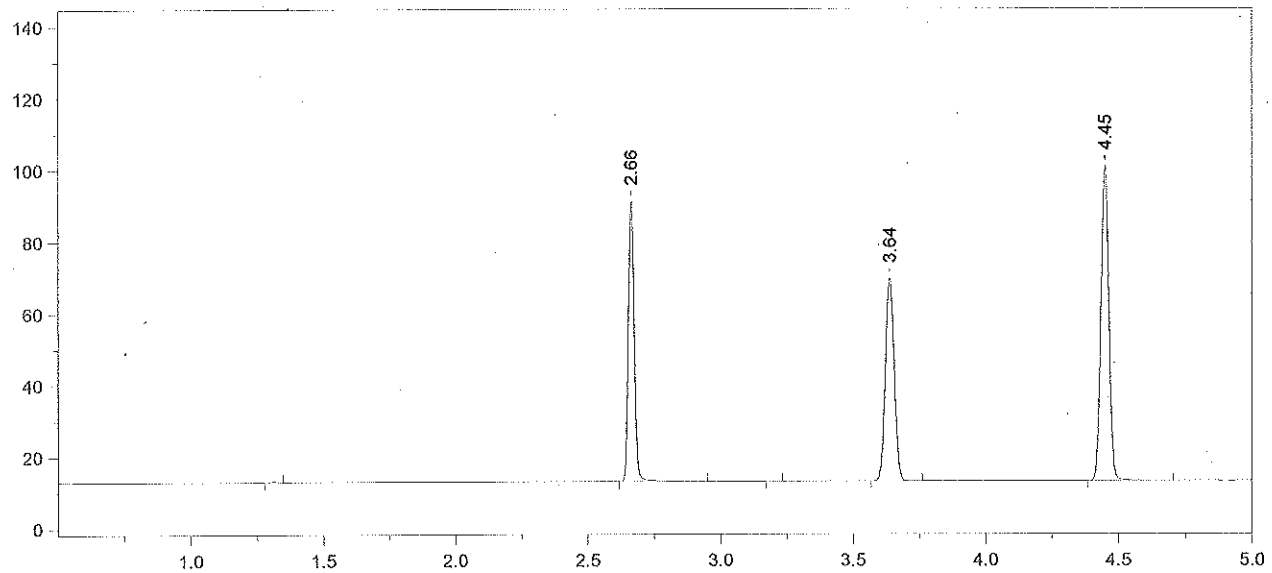
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	81666	0.0838 ✓	0.0684
4	3.64	t-Butanol	126881	0.9728	0.7940
5	4.45	n-Propanol	183698	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/18/2012
Today's Time = 7:24:21 AM
Bound File Name = SIM04172012.0022.RAW
Sample Name = 0.10 Ext Std TLC
Date Taken = 4/17/2012 6:38:23 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04172012.cal
Calibration Version = 8

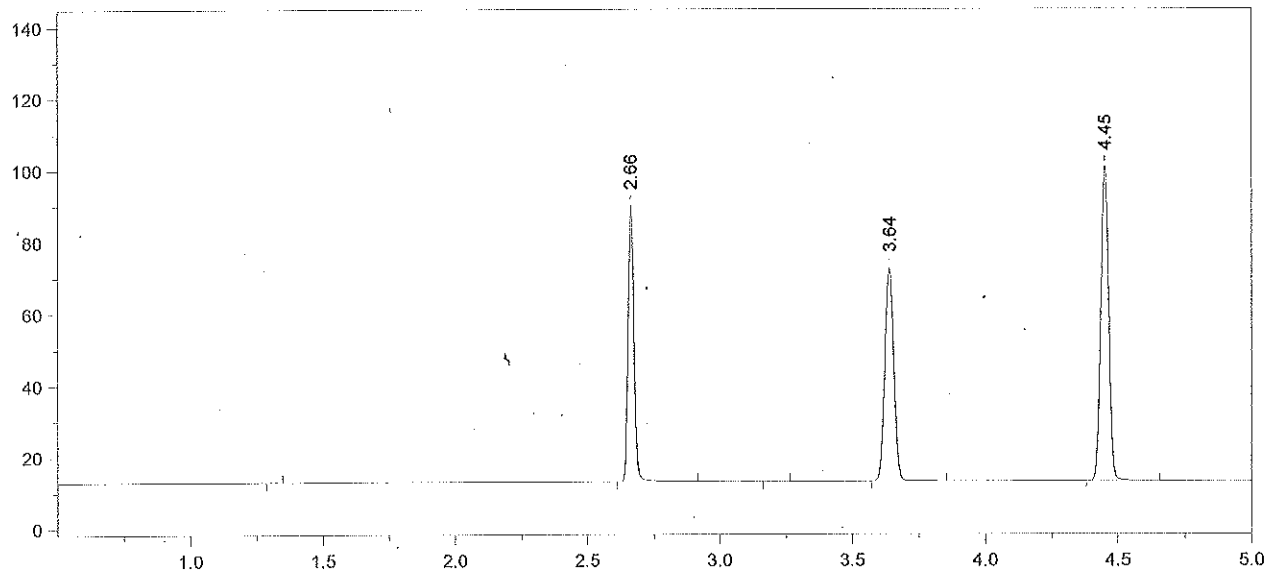
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	116924	0.1196	0.0976
4	3.64	t-Butanol	135111	1.0328	0.8430
5	4.45	n-Propanol	184257	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/18/2012
Today's Time = 7:24:29 AM
Bound File Name = SIM04172012.0023.RAW
Sample Name = 0.10 Ext Std TLC
Date Taken = 4/17/2012 6:52:14 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04172012.cal
Calibration Version = 8

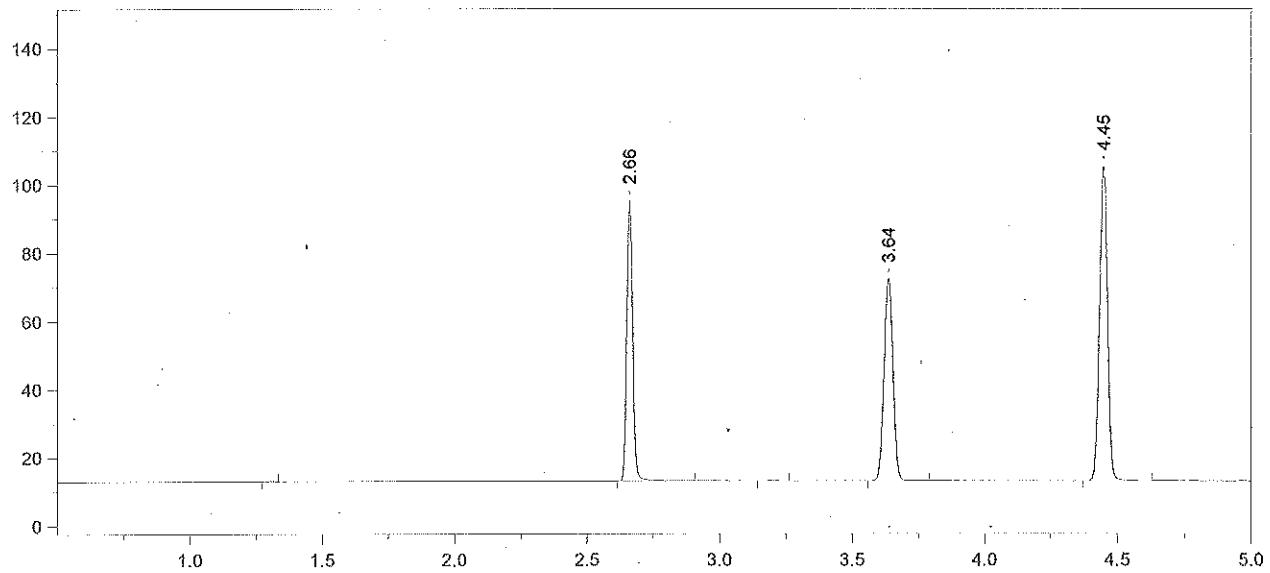
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	120674	0.1223	0.0998
4	3.64	t-Butanol	130157	0.9860	0.8047
5	4.45	n-Propanol	185932	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/18/2012
Today's Time = 7:24:35 AM
Bound File Name = SIM04172012.0024.RAW
Sample Name = 0.10 Ext Std TLC
Date Taken = 4/17/2012 7:09:47 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04172012.cal
Calibration Version = 8

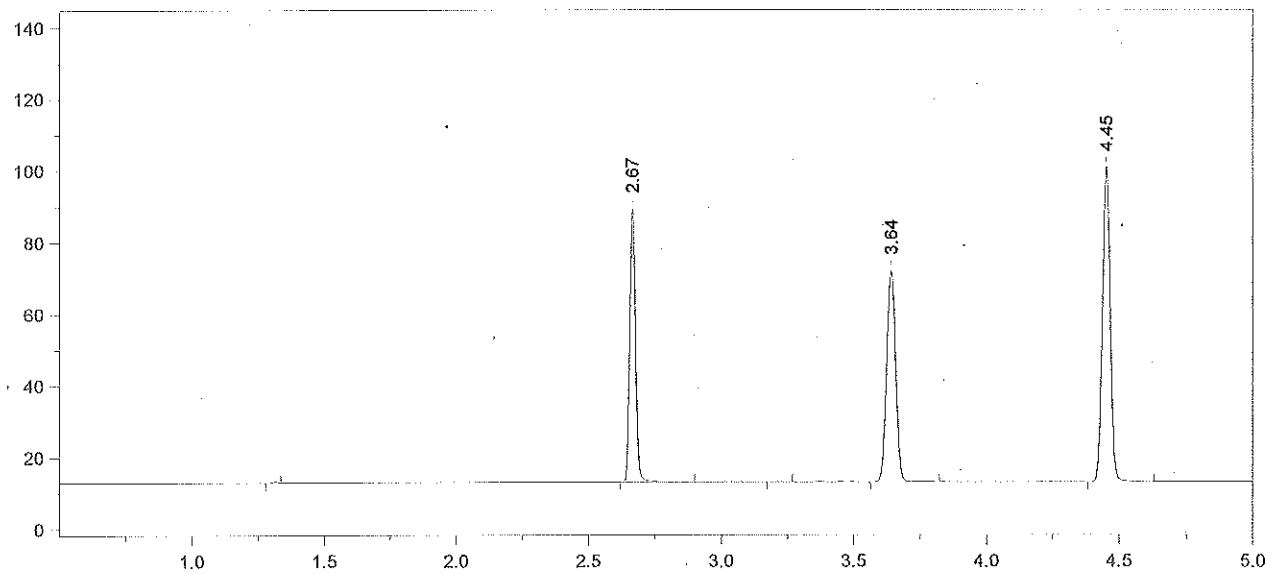
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	117696	0.1194	0.0974
4	3.64	t-Butanol	136734	1.0367	0.8462
5	4.45	n-Propanol	185761	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/18/2012 Today's Time = 7:24:40 AM
Bound File Name = SIM04172012.0025.RAW
Sample Name = 0.10 Ext Std TLC
Date Taken = 4/17/2012 7:23:48 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04172012.cal Calibration Version = 8

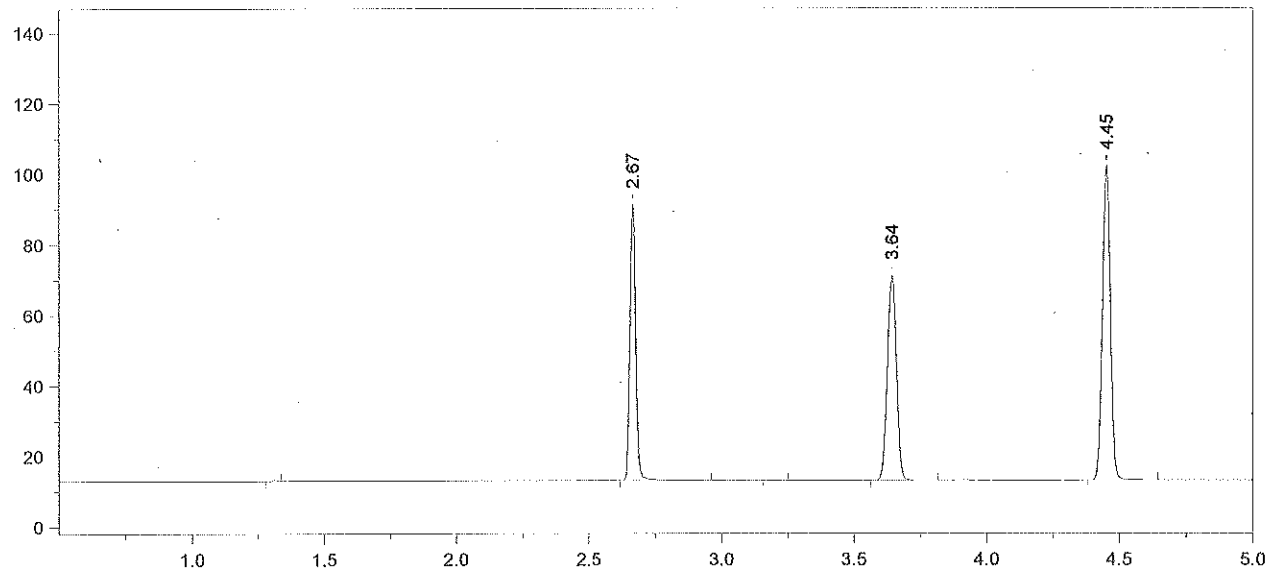
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	126390	0.1216	0.0993
4	3.64	t-Butanol	136951	0.9851	0.8040
5	4.45	n-Propanol	195814	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/18/2012
Today's Time = 7:24:47 AM
Bound File Name = SIM04172012.0026.RAW
Sample Name = 0.10 Ext Std TLC
Date Taken = 4/17/2012 7:41:12 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04172012.cal
Calibration Version = 8

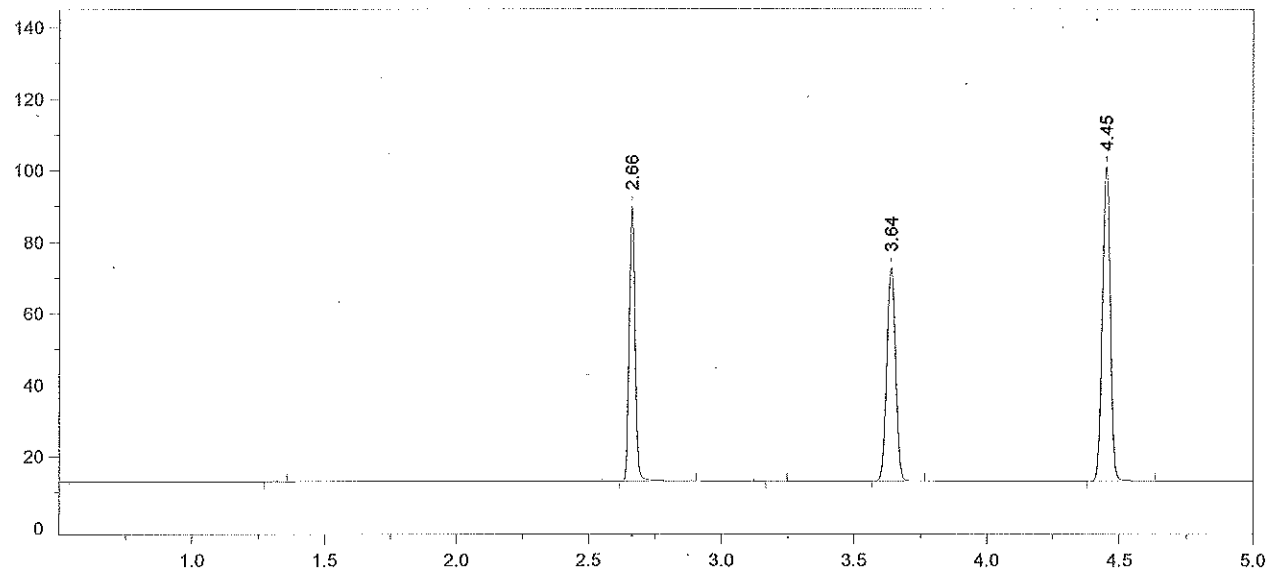
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	117512	0.1194	0.0974
4	3.64	t-Butanol	136382	1.0356	0.8453
5	4.45	n-Propanol	185482	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/18/2012
Today's Time = 7:24:54 AM
Bound File Name = SIM04172012.0027.RAW
Sample Name = 0.10 Ext Std TLC
Date Taken = 4/17/2012 7:54:24 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04172012.cal
Calibration Version = 8

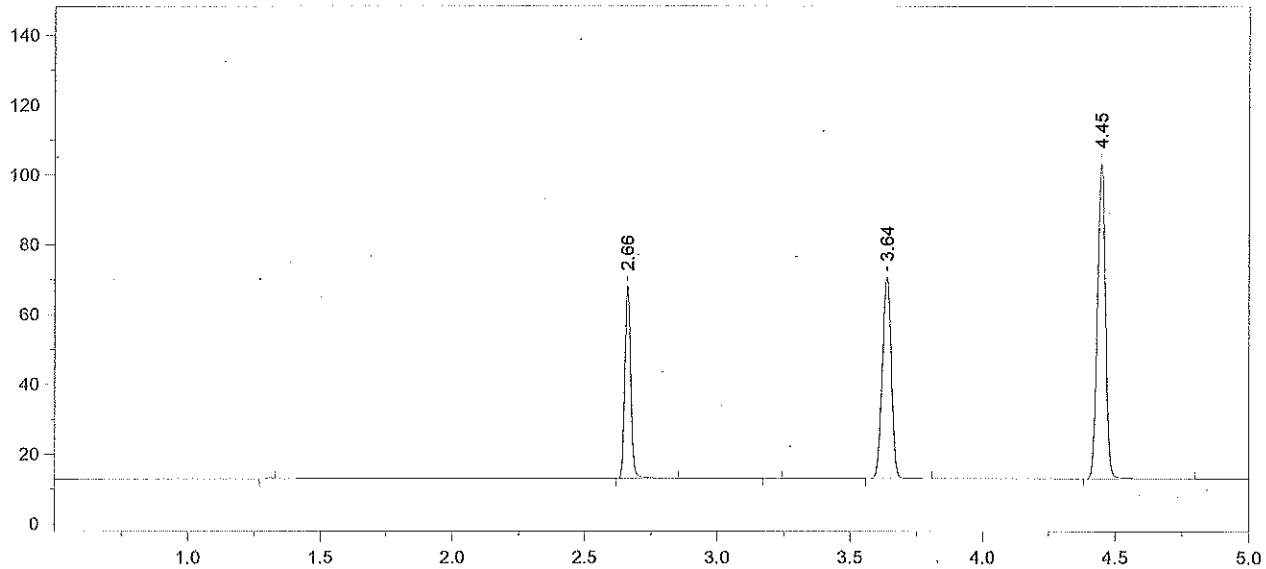
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	121162	0.1209	0.0987
4	3.64	t-Butanol	133928	0.9992	0.8155
5	4.45	n-Propanol	188786	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/18/2012
Today's Time = 7:25:02 AM
Bound File Name = SIM04172012.0028.RAW
Sample Name = 0.10 Ext Std TLC
Date Taken = 4/17/2012 8:12:36 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04172012.cal
Calibration Version = 8

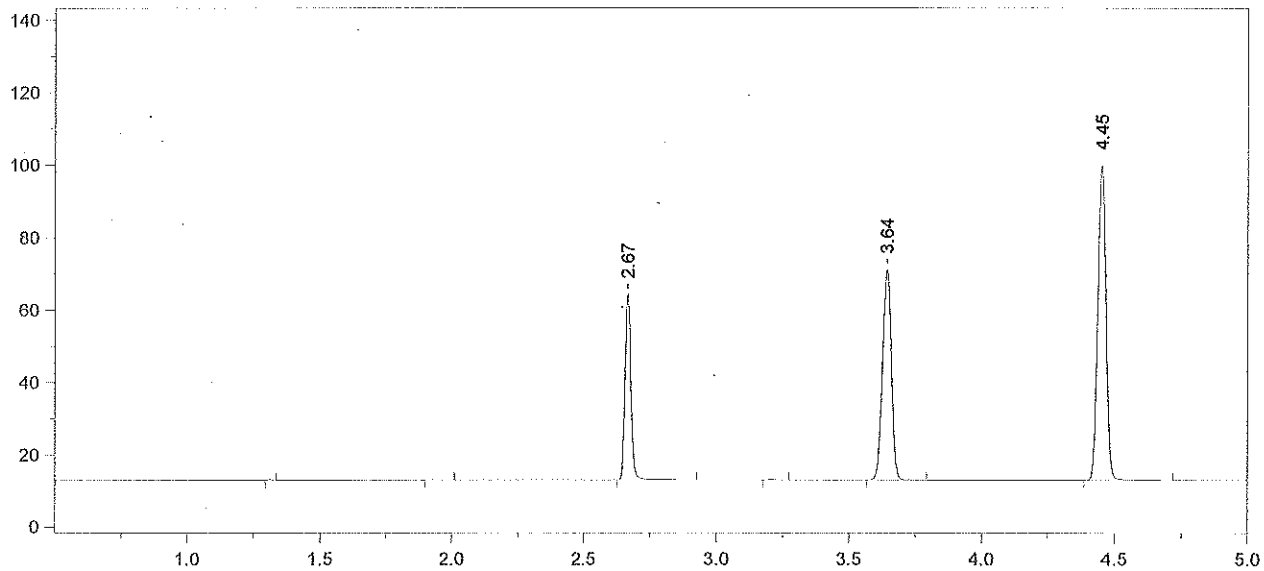
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	117780	0.1190	0.0971
4	3.64	t-Butanol	137326	1.0368	0.8462
5	4.45	n-Propanol	186556	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/18/2012
Today's Time = 7:25:09 AM
Bound File Name = SIM04172012.0029.RAW
Sample Name = CCS
Date Taken = 4/17/2012 8:26:34 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04172012.cal
Calibration Version = 8

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	85033	0.0835	0.0682
4	3.64	t-Butanol	133605	0.9810	0.8007
5	4.45	n-Propanol	191815	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/18/2012 Today's Time = 7:25:16 AM
Bound File Name = SIM04172012.0030.RAW
Sample Name = CCS
Date Taken = 4/17/2012 8:42:20 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04172012.cal Calibration Version = 8

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	2.67	Ethanol	79741	0.0817	0.0667
5	3.64	t-Butanol	134495	1.0295	0.8403
6	4.45	n-Propanol	183996	1.0000	0.8162

Headspace Alcohol Analysis Standards Coversheet

Sim. Soln

Analyst: ALB Date: 4/23/12

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~~	~~Cliniqa~~	~~091120A~~	~~0.076~~	~~0.068~~	~~0.083~~
AQ	Cerilliant	FN111711-01	0.100	0.090	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:				
		Acetaldehyde	~~0~~ 1.92	N/A	
		Methanol	2.02		
		Ethanol	2.66		
		Acetone	3.07		
		Isopropanol	3.20		
		T- butanol	3.64		
		n-propanol	4.45		
~~3~~ 4	Standard A		0.0056	Y N	
~~4~~ 5	Standard B		0.0226	Y N	
~~5~~ 6	Standard C		0.0815	Y N	
~~6~~ 7	Standard D		0.2066	Y N	
~~7~~ 8	Standard E		0.4068	Y N	
~~8~~ 9	~~Whole Blood Control~~ AQ		0.1011	Y N	
~~9~~ 10	~~Whole Blood Control~~ AQ		X0.1022	Y N	$\bar{x}$ = 0.101

4/24/2012

File Name: C:\Methods\SimCal 04232012.cal
Version: 7

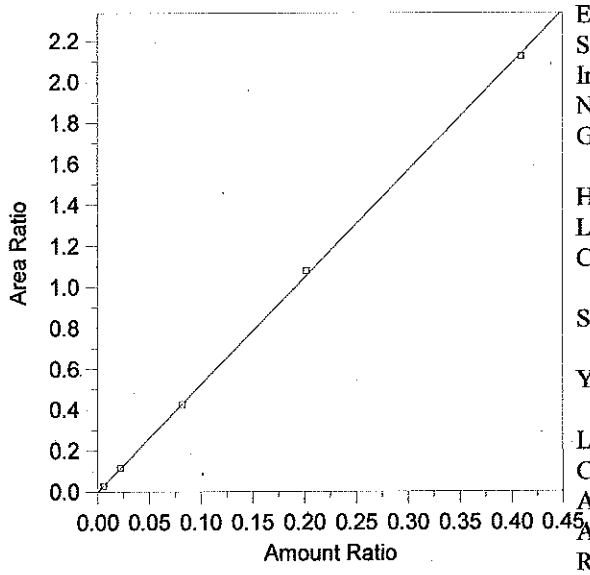
Creator:
Description:
Reason for change:

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:	2.666 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

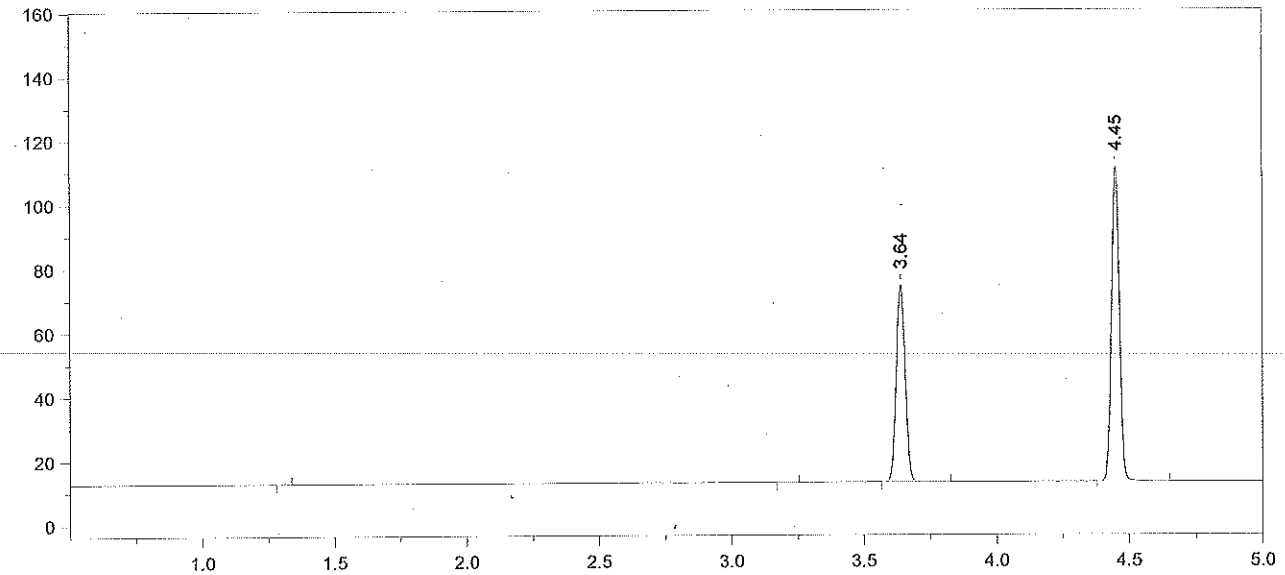
Single peak quantification by area

Y = 5.219887 X + 0

Linear fit with equal weighting, forced to origin

Coefficient of determination:	0.9997644
Average error:	1.409%
Average CF:	5.269562
RSD:	1.470%

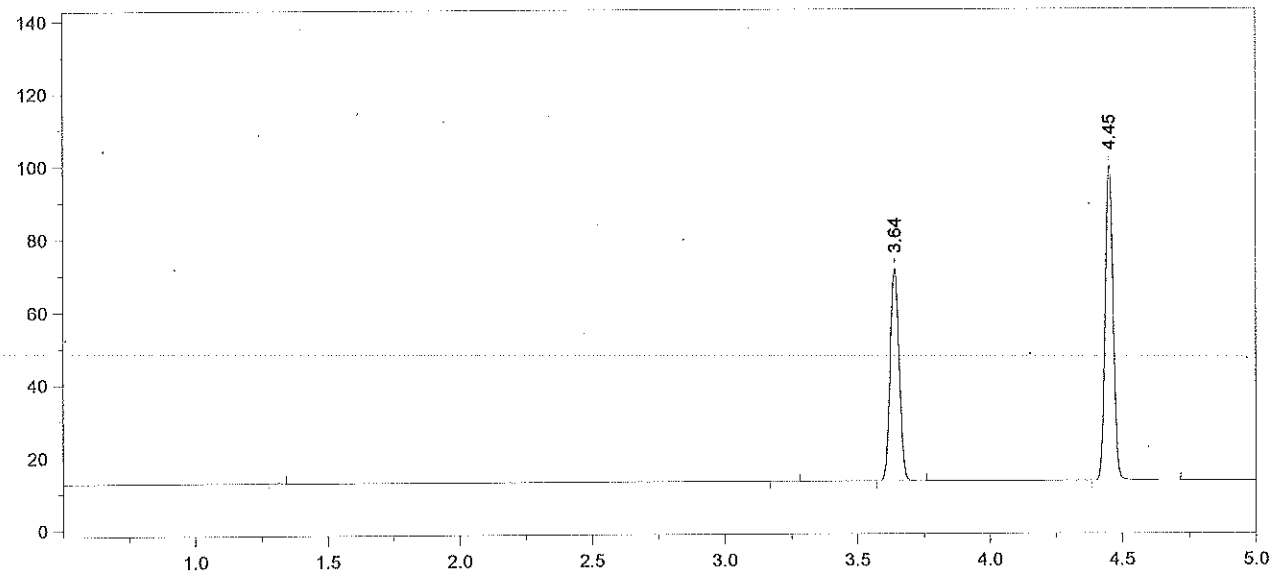
Level	Amount	Response	Cal Factor	Error, %	Amount Ratio	Response Ratio	Source	Date and time
1	(0.088)	(85146)	--	--	0.088	85146	Manual	2/24/2012 1:50:47 PM
2	0.0055	5589.218	1016221	1.133	0.0055	2.903476E-02	C:\Alcohol Data\SIM04232012\SIM04232012.0004.BND	4/23/2012 9:17:17 AM
3	0.022	21689.95	985906.8	2.510	0.022	0.1177205	C:\Alcohol Data\SIM04232012\SIM04232012.0005.BND	4/23/2012 9:31:14 AM
4	0.082	80398.97	980475.2	-0.609	0.082	0.425424	C:\Alcohol Data\SIM04232012\SIM04232012.0006.BND	4/23/2012 9:48:40 AM
5	0.202	205266	1016168	2.257	0.202	1.078215	C:\Alcohol Data\SIM04232012\SIM04232012.0007.BND	4/23/2012 10:02:35 AM
6	0.409	390808.4	955521.8	-0.534	0.409	2.123543	C:\Alcohol Data\SIM04232012\SIM04232012.0008.BND	4/23/2012 10:20:10 AM



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/23/2012
Today's Time = 3:03:07 PM
Bound File Name = SIM04232012.0001.RAW
Sample Name = Blank
Date Taken = 4/23/2012 8:28:34 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04232012.cal
Calibration Version = 7

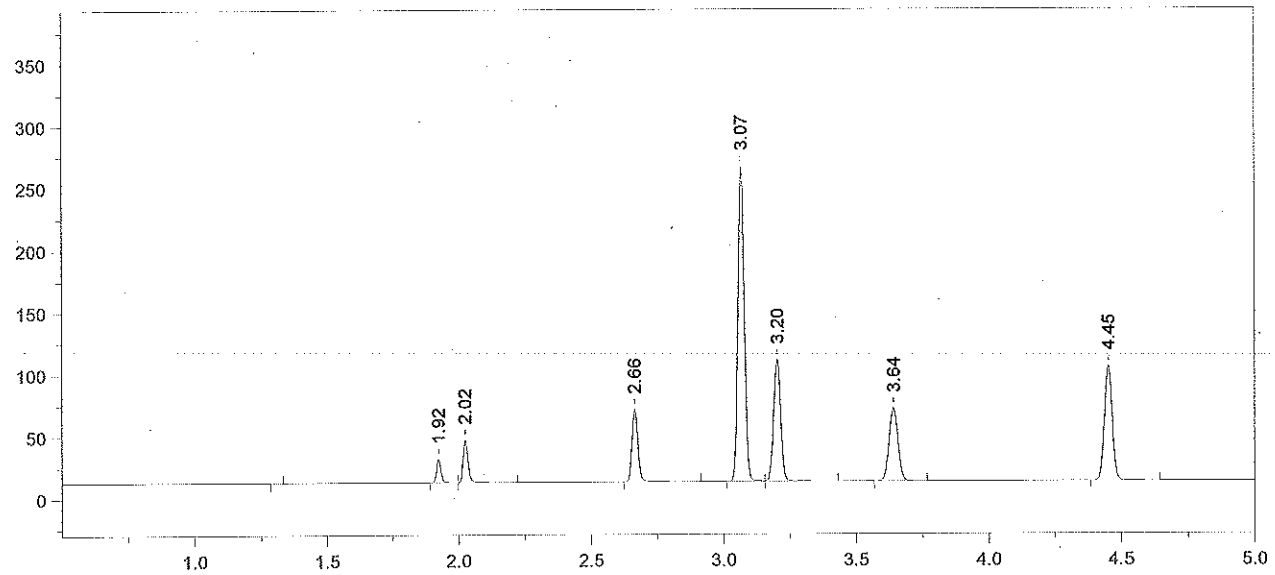
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	3.64	t-Butanol	141570	0.9506	0.7758
4	4.45	n-Propanol	208151	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/23/2012
Today's Time = 3:03:13 PM
Bound File Name = SIM04232012.0002.RAW
Sample Name = Blank
Date Taken = 4/23/2012 8:45:48 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04232012.cal
Calibration Version = 7

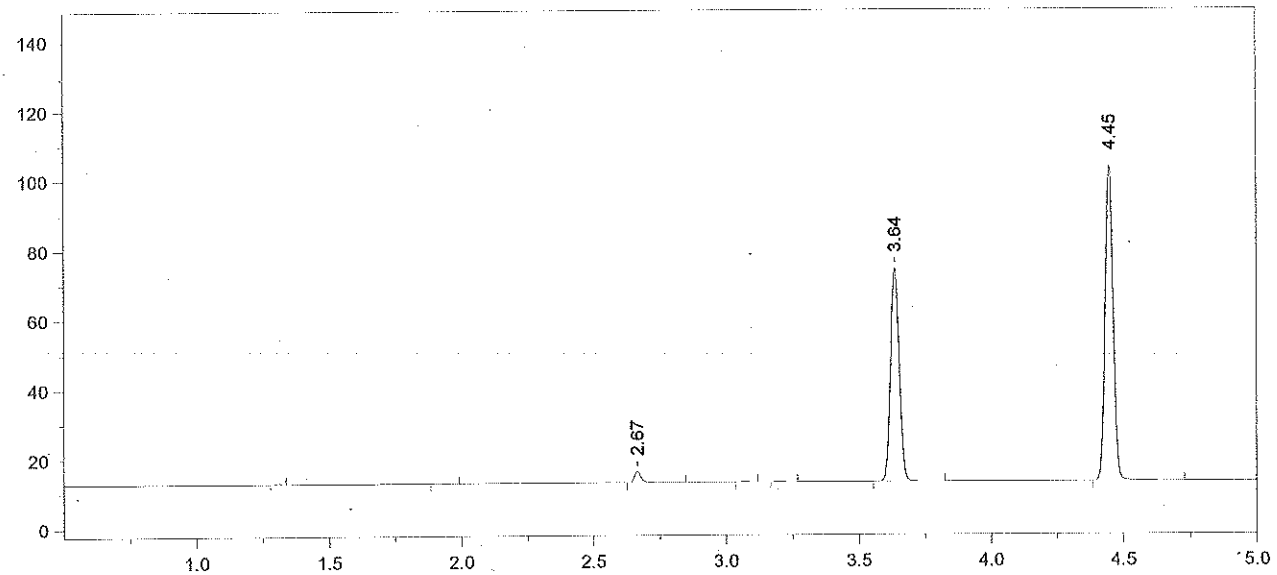
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	3.64	t-Butanol	134762	1.0231	0.8350
4	4.45	n-Propanol	184096	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/23/2012
Today's Time = 3:03:19 PM
Bound File Name = SIM04232012.0003.RAW
Sample Name = TMX
Date Taken = 4/23/2012 8:59:26 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04232012.cal
Calibration Version = 7

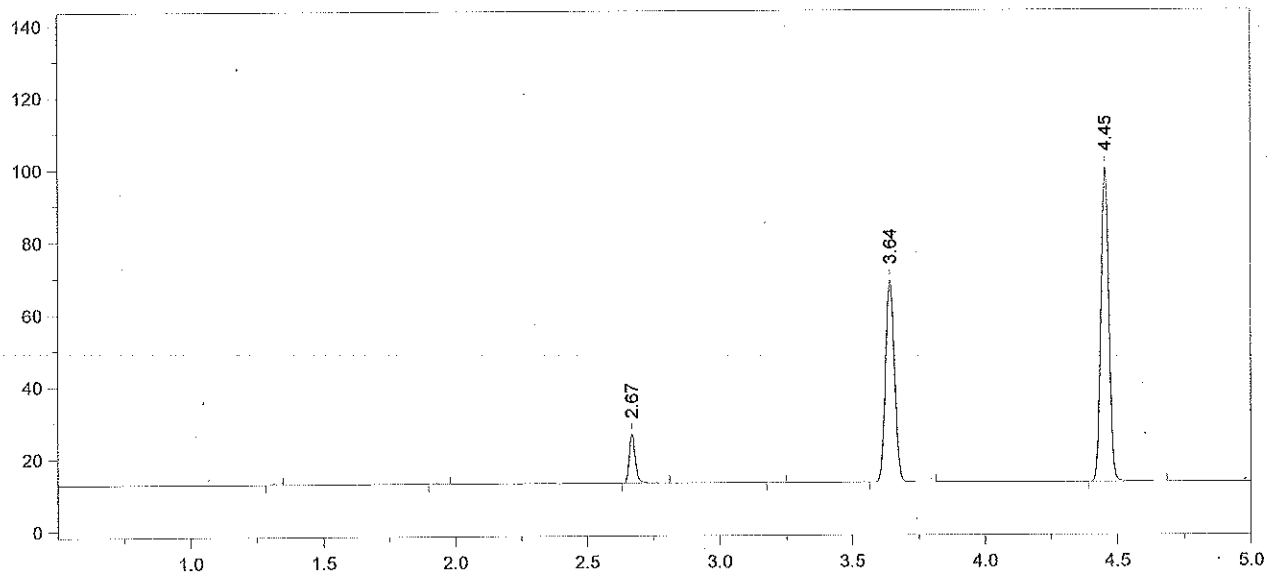
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	1.92	Acetaldehyde	21918	0.0650	0.0531
3	2.02	Methanol	43442	0.0890	0.0726
4	2.66	Ethanol	90264	0.0883	0.0721
5	3.07	Acetone	429036	0.1030	0.0841
6	3.20	Isopropanol	184349	0.0910	0.0743
7	3.64	t-Butanol	134914	0.9630	0.7860
8	4.45	n-Propanol	195808	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/23/2012
Today's Time = 3:03:25 PM
Bound File Name = SIM04232012.0004.RAW
Sample Name = STD A
Date Taken = 4/23/2012 9:17:12 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04232012.cal
Calibration Version = 7

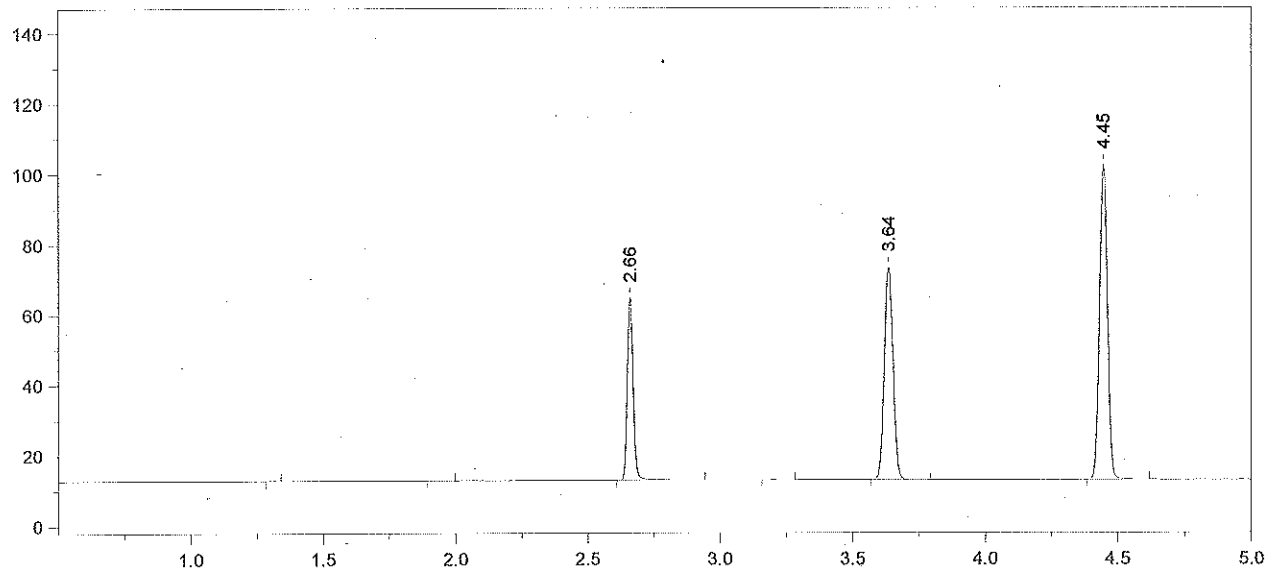
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	2.67	Ethanol	05589	0.0056	0.0045
6	3.64	t-Butanol	141732	1.0290	0.8399
7	4.45	n-Propanol	192501	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/23/2012
Today's Time = 3:03:31 PM
Bound File Name = SIM04232012.0005.RAW
Sample Name = STD B
Date Taken = 4/23/2012 9:31:07 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04232012.cal
Calibration Version = 7

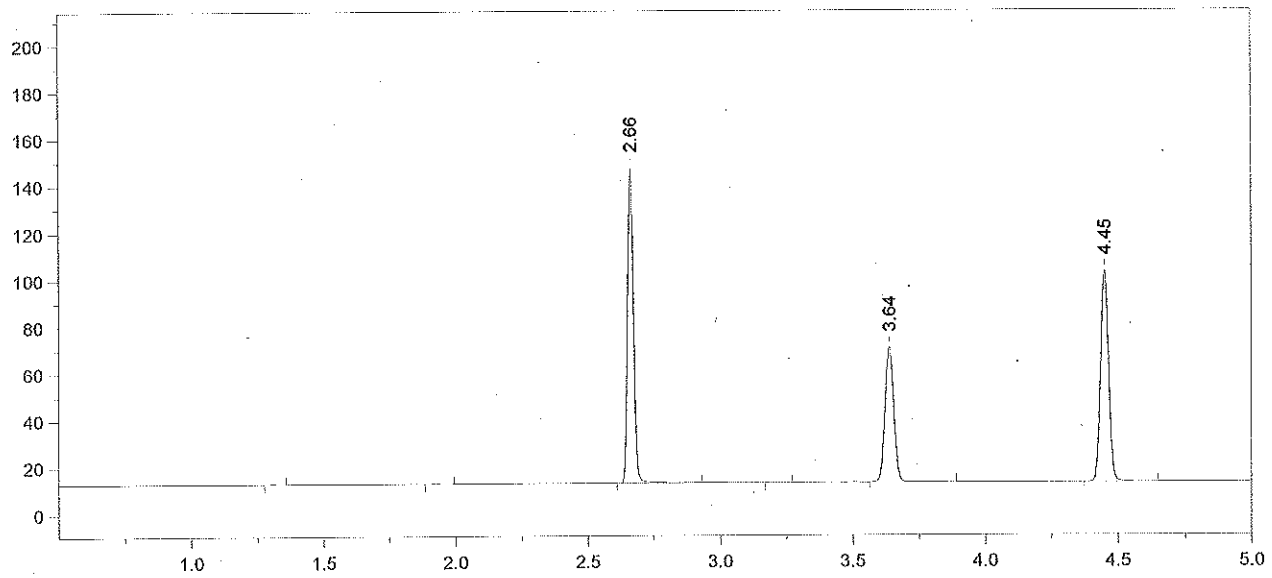
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	2.67	Ethanol	21690	0.0226	0.0184
5	3.64	t-Butanol	129296	0.9808	0.8005
6	4.45	n-Propanol	184250	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/23/2012
Today's Time = 3:03:38 PM
Bound File Name = SIM04232012.0006.RAW
Sample Name = STD C
Date Taken = 4/23/2012 9:48:36 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04232012.cal
Calibration Version = 7

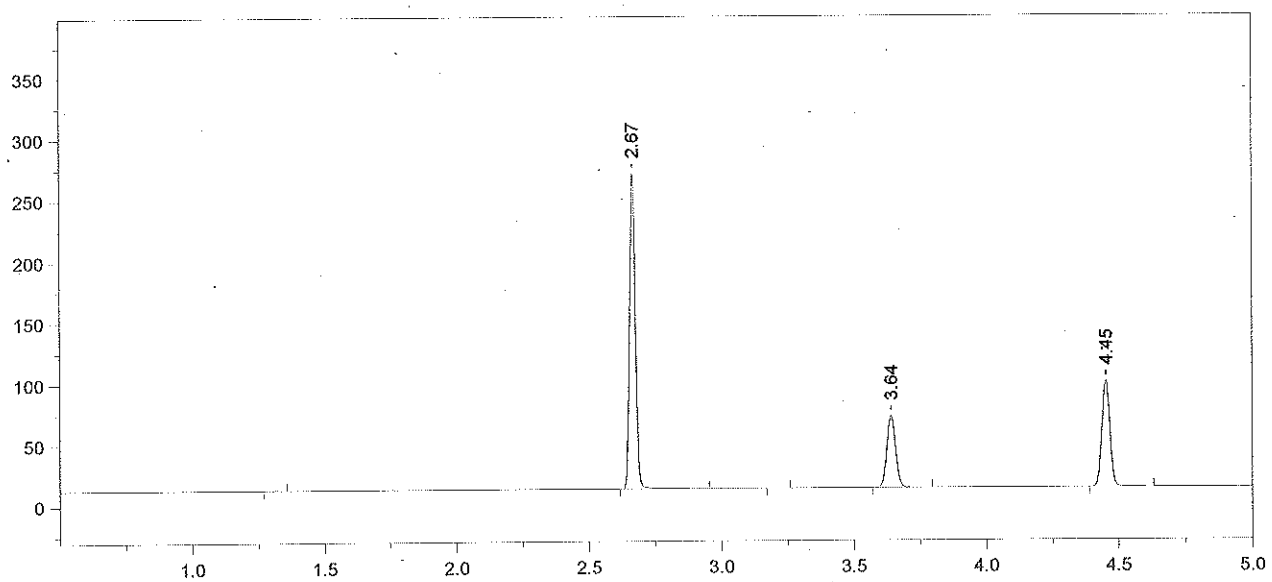
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	2.66	Ethanol	80399	0.0815	0.0665
5	3.64	t-Butanol	139150	1.0291	0.8399
6	4.45	n-Propanol	188986	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/23/2012
Today's Time = 3:03:45 PM
Bound File Name = SIM04232012.0007.RAW
Sample Name = STD D
Date Taken = 4/23/2012 10:02:25 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04232012.cal
Calibration Version = 7

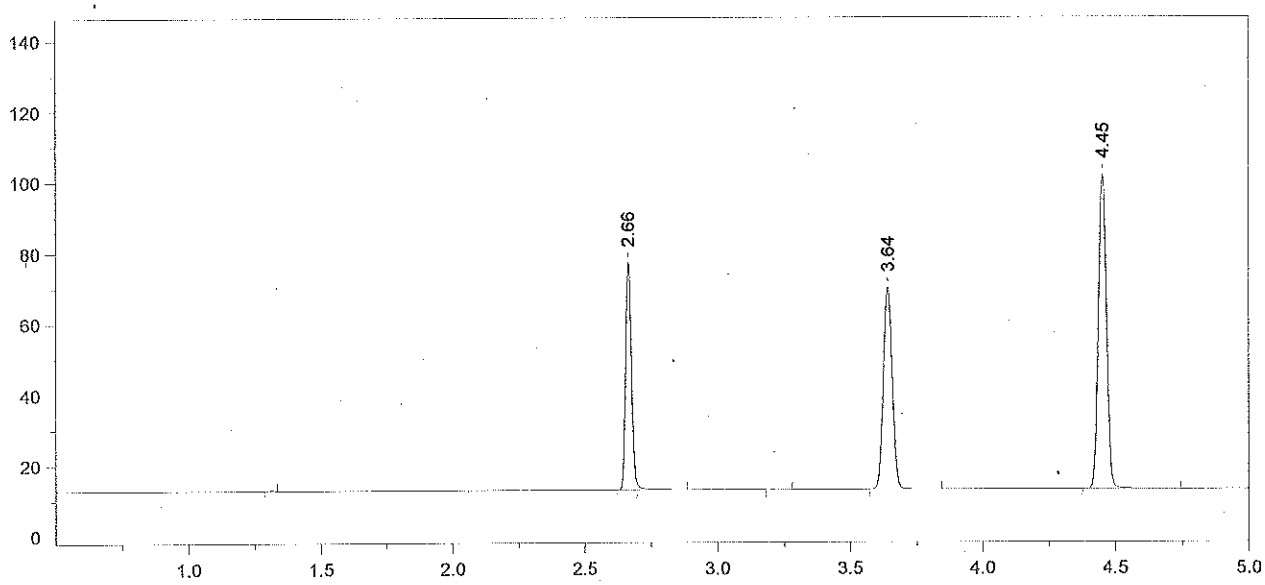
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	2.66	Ethanol	205266	0.2066	0.1686
5	3.64	t-Butanol	132515	0.9728	0.7940
6	4.45	n-Propanol	190376	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/23/2012
Today's Time = 3:03:50 PM
Bound File Name = SIM04232012.0008.RAW
Sample Name = STD E
Date Taken = 4/23/2012 10:20:00 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04232012.cal
Calibration Version = 7

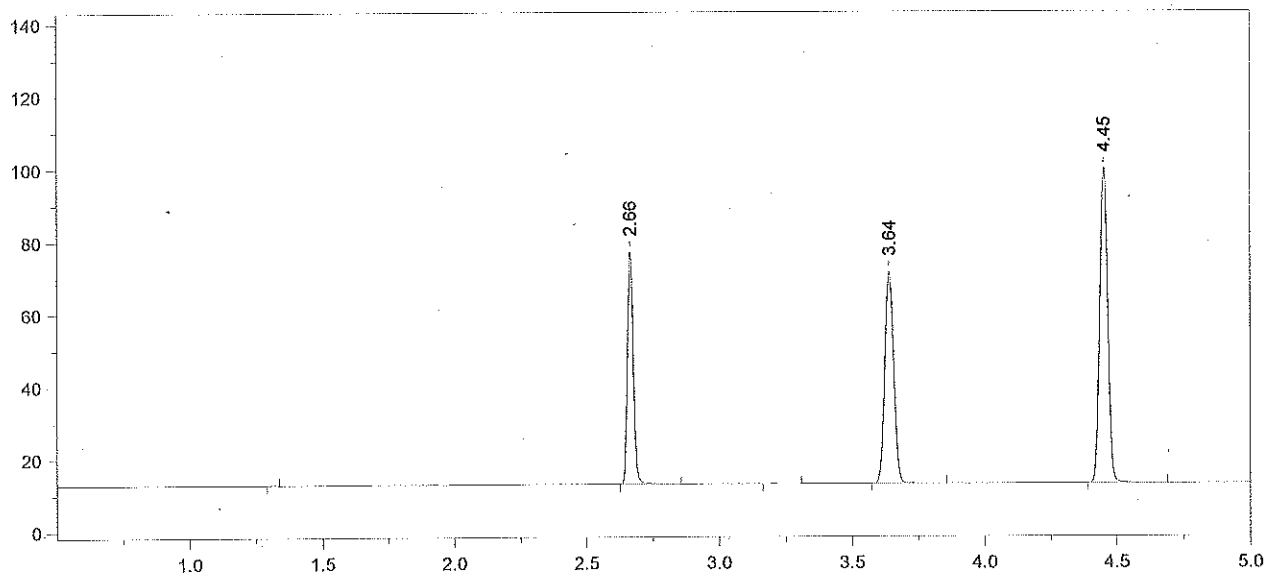
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	390808	0.4068	0.3320
4	3.64	t-Butanol	135016	1.0253	0.8369
5	4.45	n-Propanol	184036	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/23/2012
Today's Time = 3:03:57 PM
Bound File Name = SIM04232012.0009.RAW
Sample Name = AQ QC
Date Taken = 4/23/2012 10:33:39 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04232012.cal
Calibration Version = 7

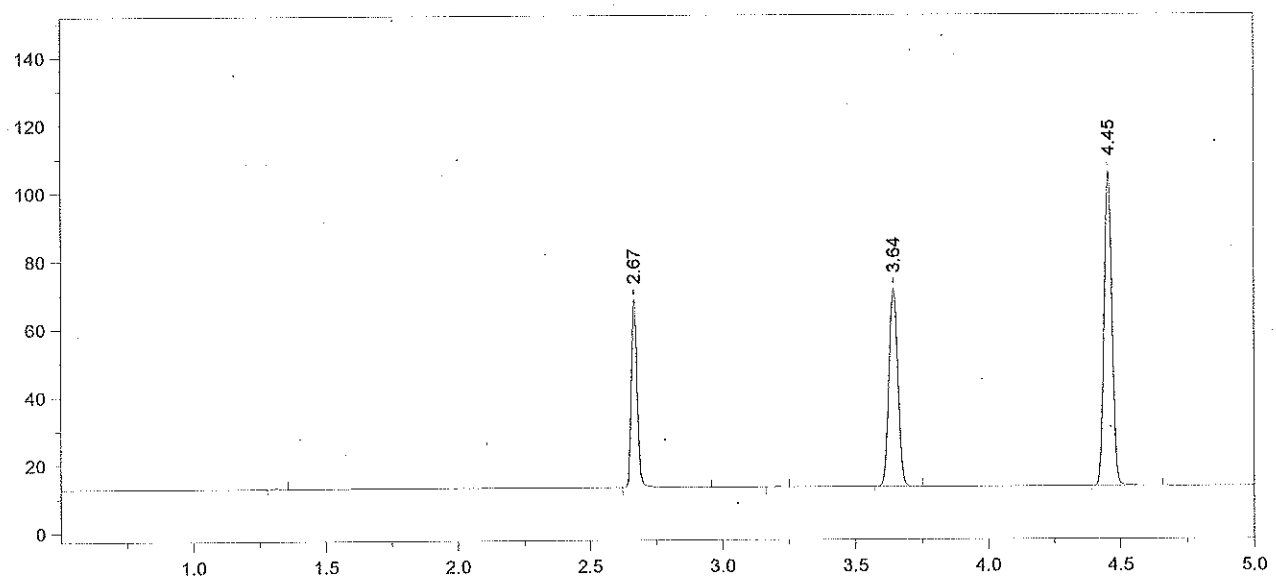
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	99465	0.1011	0.0825
4	3.64	t-Butanol	131945	0.9786	0.7987
5	4.45	n-Propanol	188437	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/23/2012
Today's Time = 3:04:04 PM
Bound File Name = SIM04232012.0010.RAW
Sample Name = AQ QC
Date Taken = 4/23/2012 10:51:28 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04232012.cal
Calibration Version = 7

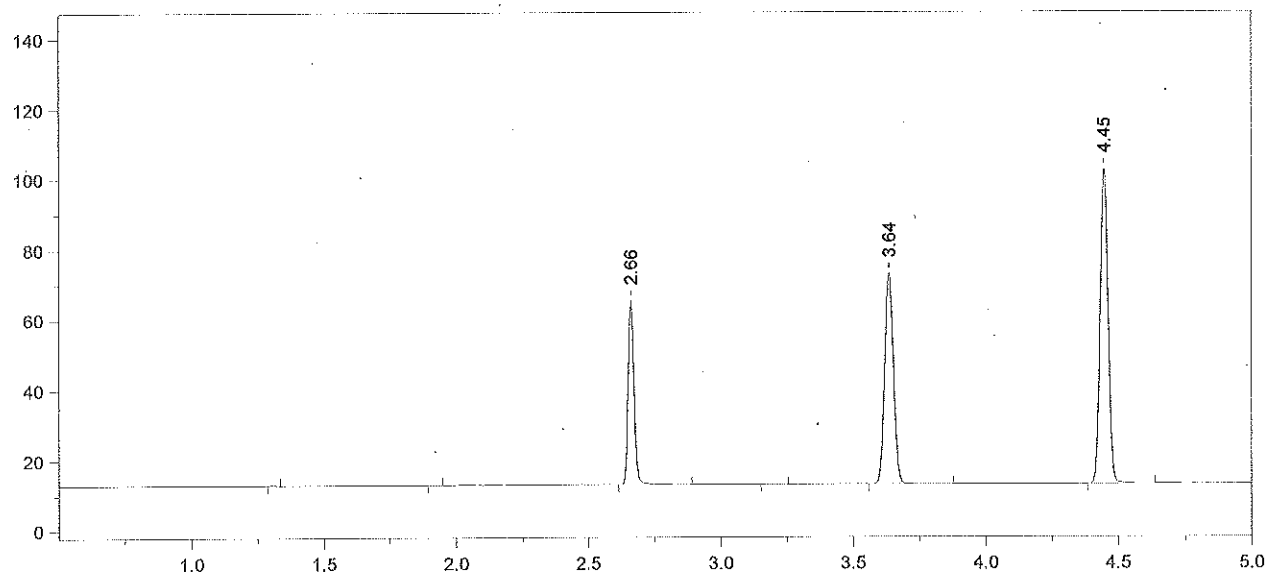
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	98788	0.1022	0.0834
4	3.64	t-Butanol	135170	1.0205	0.8329
5	4.45	n-Propanol	185118	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/23/2012
Today's Time = 3:04:11 PM
Bound File Name = SIM04232012.0011.RAW
Sample Name = CCS
Date Taken = 4/23/2012 11:05:08 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04232012.cal
Calibration Version = 7

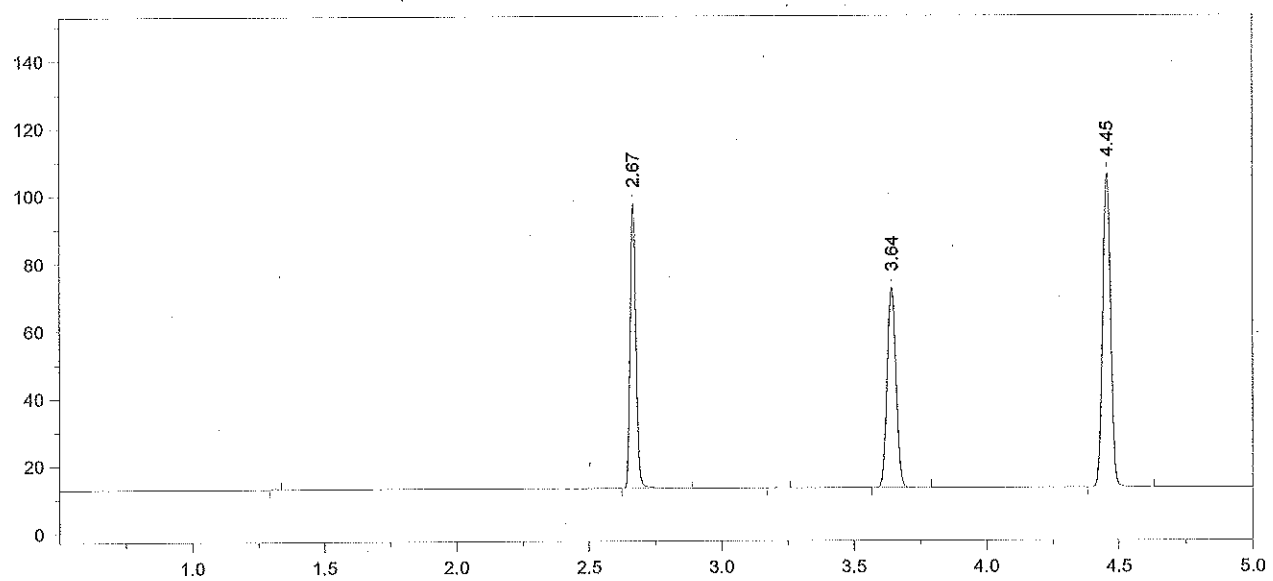
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	85667	0.0839	0.0685
4	3.64	t-Butanol	134133	0.9589	0.7827
5	4.45	n-Propanol	195494	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/23/2012
Today's Time = 3:04:17 PM
Bound File Name = SIM04232012.0012.RAW
Sample Name = CCS
Date Taken = 4/23/2012 11:22:54 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04232012.cal
Calibration Version = 7

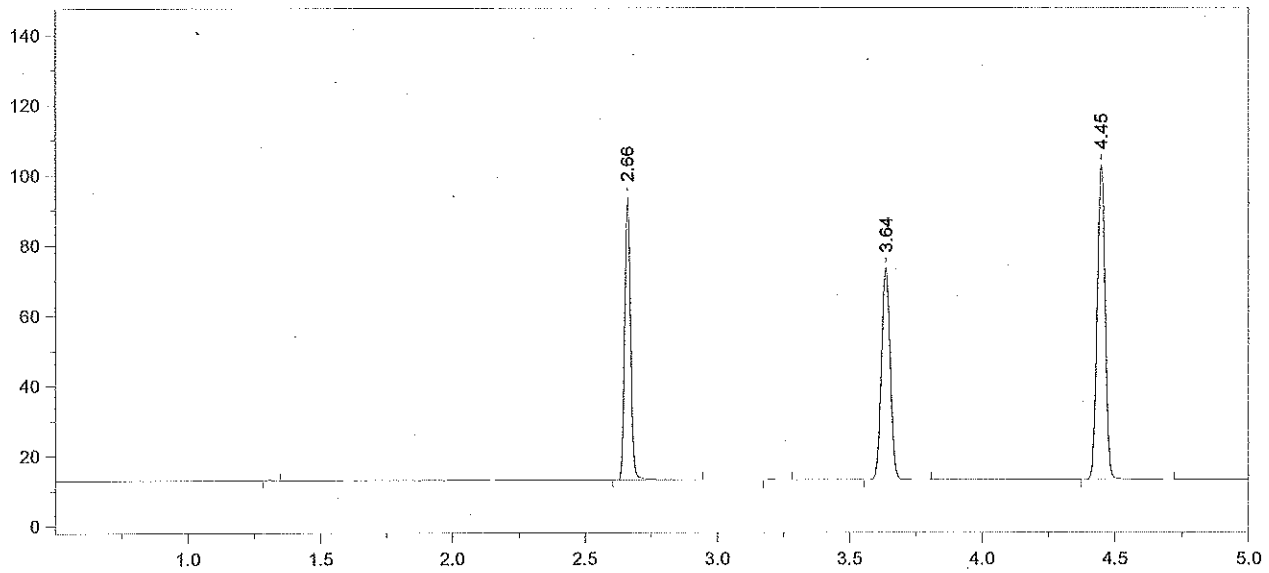
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	2.66	Ethanol	80492	0.0818	0.0668
5	3.64	t-Butanol	137831	1.0219	0.8340
6	4.45	n-Propanol	188513	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/23/2012
Today's Time = 3:04:25 PM
Bound File Name = SIM04232012.0013.RAW
Sample Name = 0.10 Ext Std ALB
Date Taken = 4/23/2012 11:36:35 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04232012.cal
Calibration Version = 7

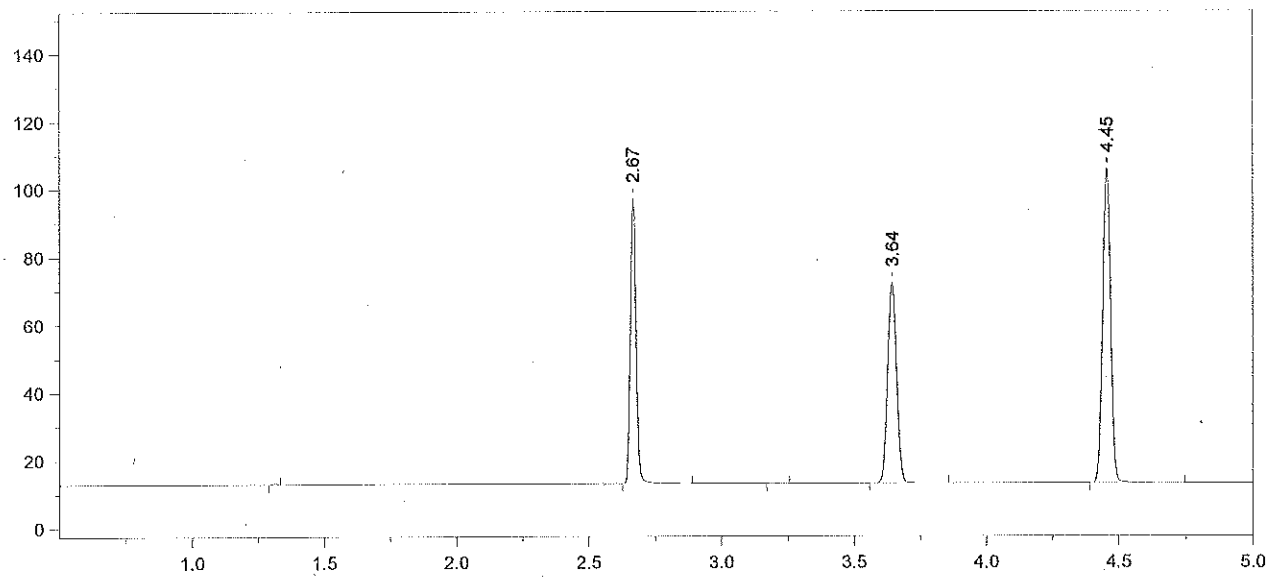
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	129756	0.1261	0.1029
4	3.64	t-Butanol	137382	0.9737	0.7947
5	4.45	n-Propanol	197197	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/23/2012
Today's Time = 3:04:30 PM
Bound File Name = SIM04232012.0014.RAW
Sample Name = 0.10 Ext Std ALB
Date Taken = 4/23/2012 11:54:21 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04232012.cal
Calibration Version = 7

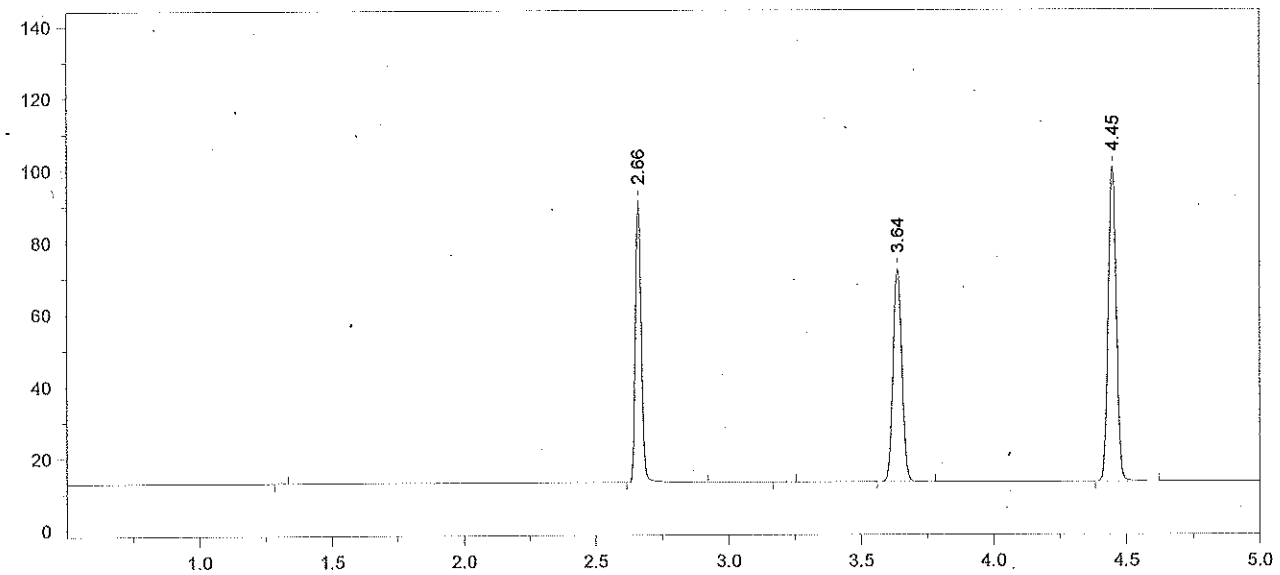
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	123367	0.1244	0.1016
4	3.64	t-Butanol	138828	1.0216	0.8338
5	4.45	n-Propanol	189930	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/23/2012
Today's Time = 3:04:36 PM
Bound File Name = SIM04232012.0015.RAW
Sample Name = 0.10 Ext Std ALB
Date Taken = 4/23/2012 12:07:34 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04232012.cal
Calibration Version = 7

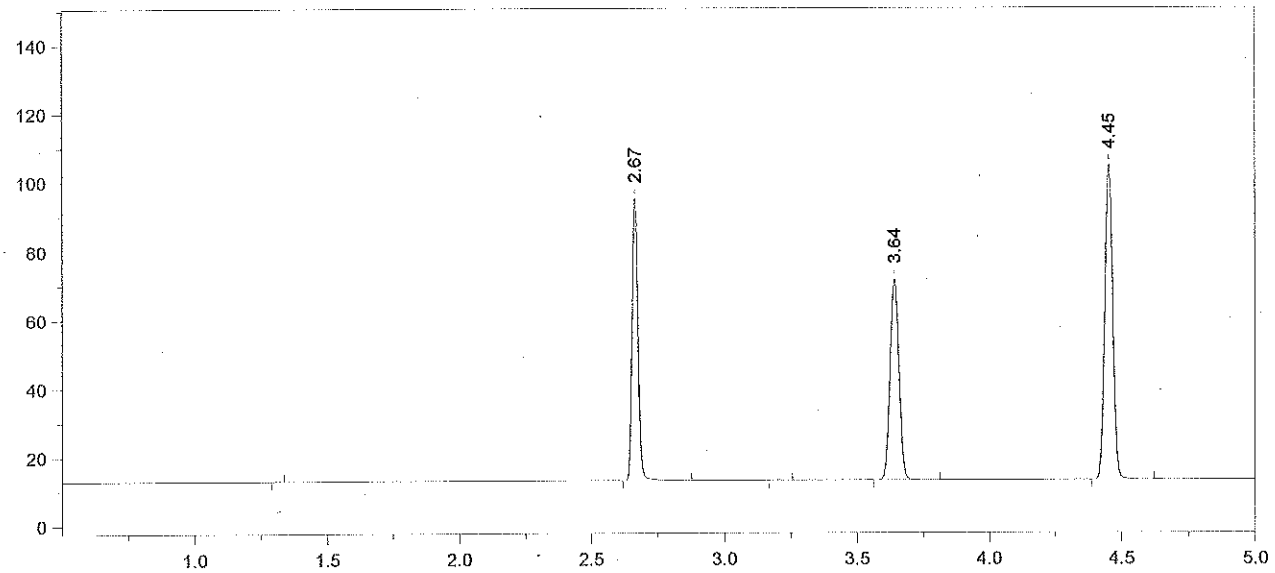
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	128424	0.1248	0.1019
4	3.64	t-Butanol	136666	0.9693	0.7911
5	4.45	n-Propanol	197064	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/23/2012
Today's Time = 3:04:44 PM
Bound File Name = SIM04232012.0016.RAW
Sample Name = 0.10 Ext Std ALB
Date Taken = 4/23/2012 12:25:46 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04232012.cal
Calibration Version = 7

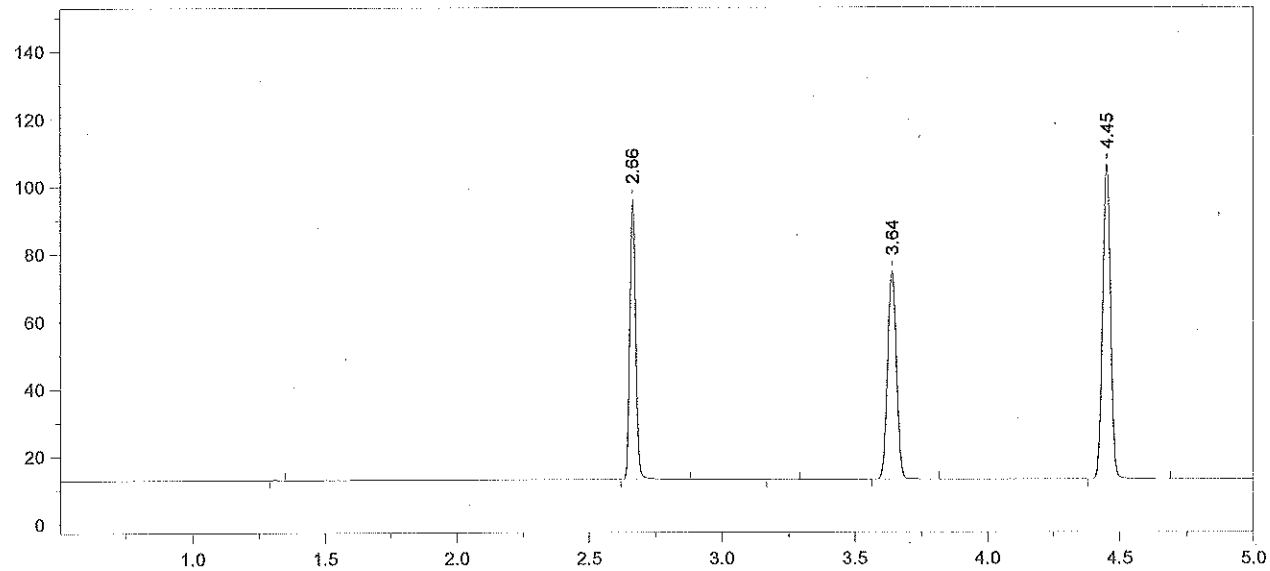
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	120108	0.1239	0.1011
4	3.64	t-Butanol	136336	1.0262	0.8376
5	4.45	n-Propanol	185675	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/23/2012
Today's Time = 3:04:51 PM
Bound File Name = SIM04232012.0017.RAW
Sample Name = 0.10 Ext Std ALB
Date Taken = 4/23/2012 12:39:03 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04232012.cal
Calibration Version = 7

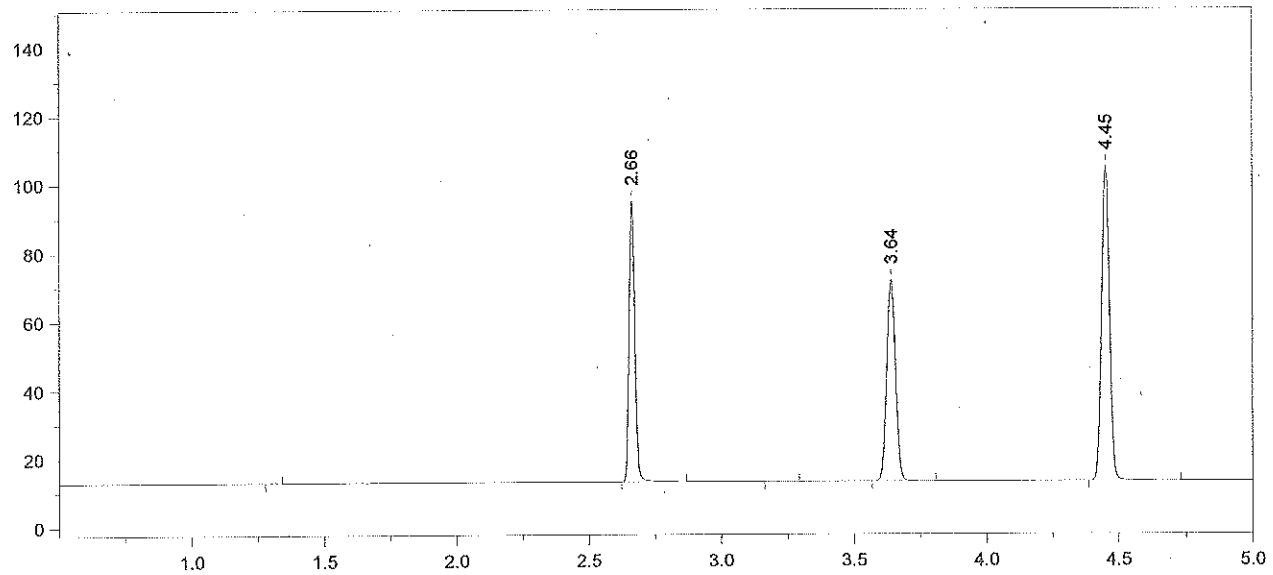
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	127144	0.1253	0.1023
4	3.64	t-Butanol	135266	0.9724	0.7937
5	4.45	n-Propanol	194416	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/23/2012
Today's Time = 3:04:58 PM
Bound File Name = SIM04232012.0018.RAW
Sample Name = 0.10 Ext Std ALB
Date Taken = 4/23/2012 12:55:27 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04232012.cal
Calibration Version = 7

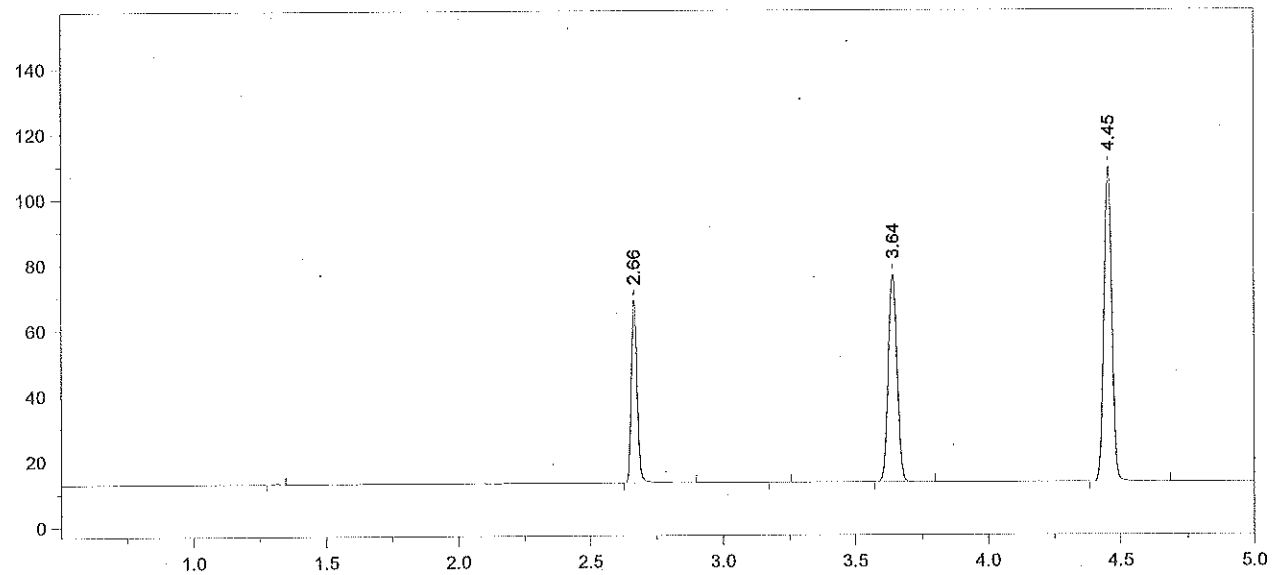
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	126057	0.1230	0.1004
4	3.64	t-Butanol	142490	1.0140	0.8276
5	4.45	n-Propanol	196404	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/23/2012
Today's Time = 3:05:04 PM
Bound File Name = SIM04232012.0019.RAW
Sample Name = 0.10 Ext Std ALB
Date Taken = 4/23/2012 1:10:23 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04232012.cal
Calibration Version = 7

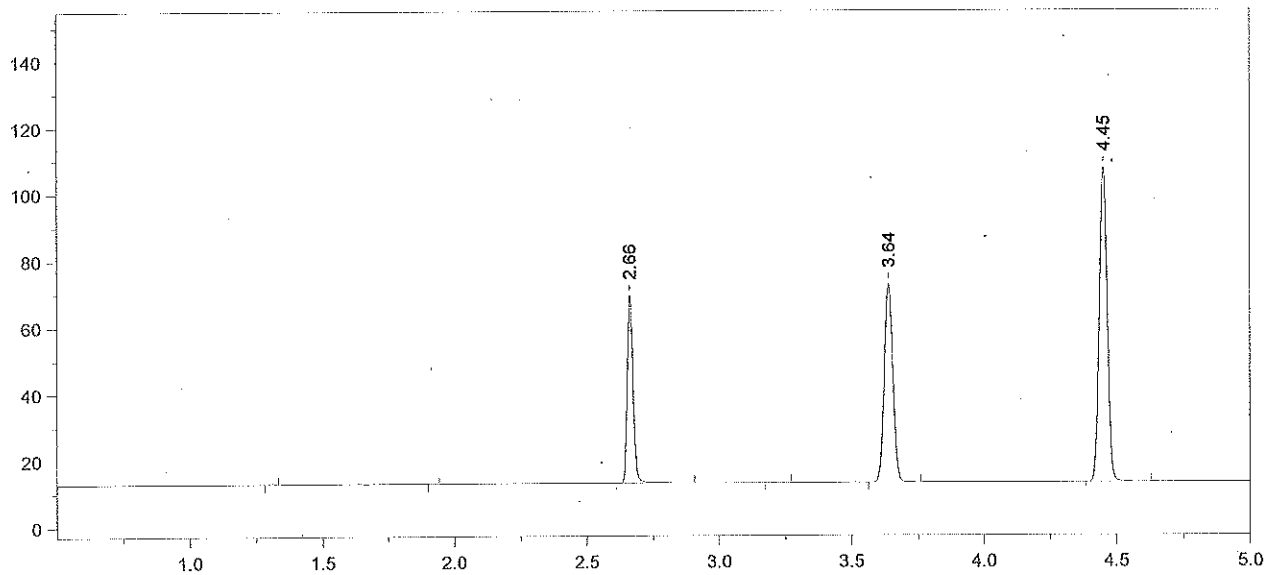
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	125522	0.1235	0.1008
4	3.64	t-Butanol	135141	0.9697	0.7914
5	4.45	n-Propanol	194783	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/23/2012
Today's Time = 3:05:10 PM
Bound File Name = SIM04232012.0020.RAW
Sample Name = CCS
Date Taken = 4/23/2012 1:25:19 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04232012.cal
Calibration Version = 7

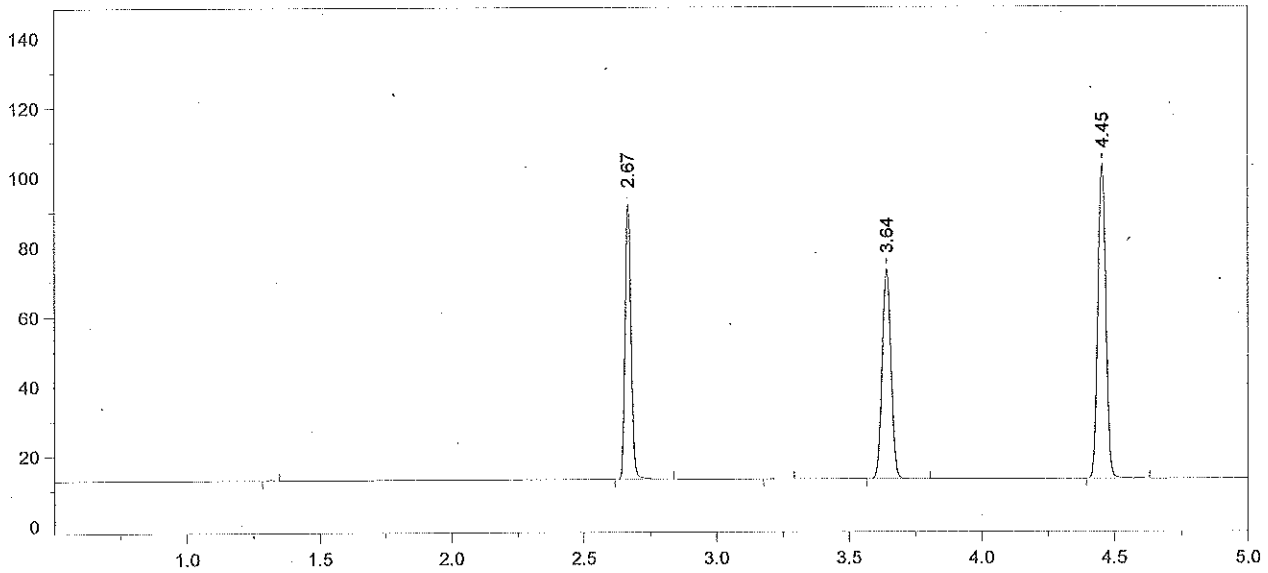
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	86368	0.0814	0.0664
4	3.64	t-Butanol	146683	1.0081	0.8228
5	4.45	n-Propanol	203355	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/23/2012
Today's Time = 3:05:16 PM
Bound File Name = SIM04232012.0021.RAW
Sample Name = CCS
Date Taken = 4/23/2012 1:40:54 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04232012.cal
Calibration Version = 7

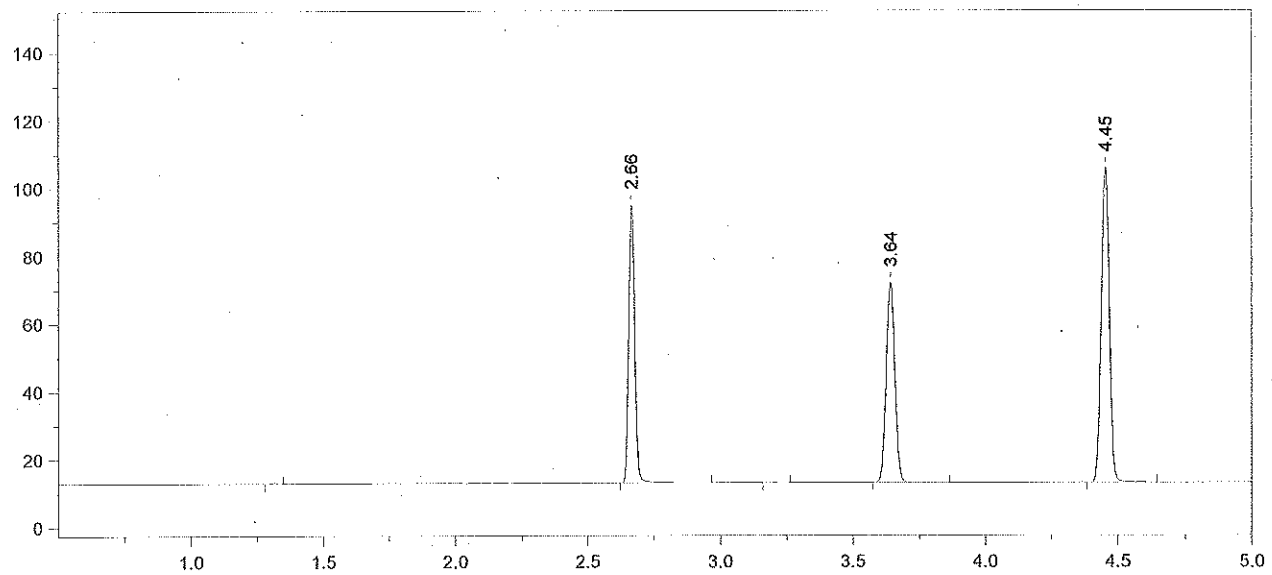
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	2.66	Ethanol	87015	0.0835	0.0682
5	3.64	t-Butanol	137306	0.9616	0.7849
6	4.45	n-Propanol	199562	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/23/2012
Today's Time = 3:05:22 PM
Bound File Name = SIM04232012.0022.RAW
Sample Name = 0.10 Ext Std ~~TT~~ TLC
Date Taken = 4/23/2012 1:56:55 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04232012.cal
Calibration Version = 7

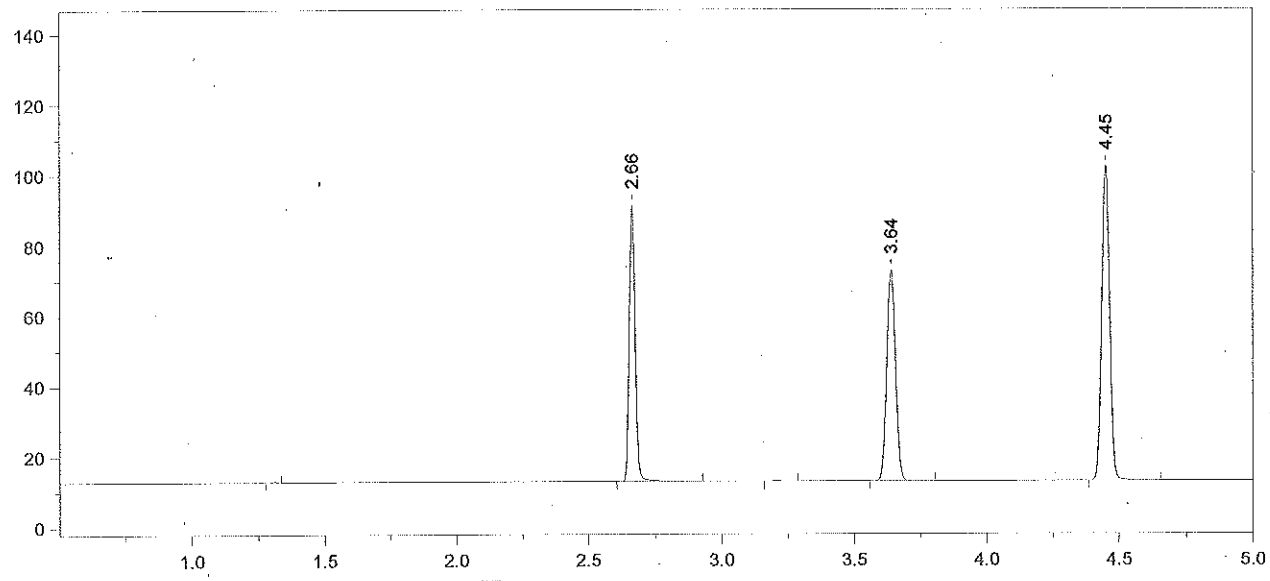
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	121142	0.1214	0.0991
4	3.64	t-Butanol	138301	1.0109	0.8251
5	4.45	n-Propanol	191210	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/23/2012
Today's Time = 3:05:29 PM
Bound File Name = SIM04232012.0023.RAW
Sample Name = 0.10 Ext Std TT Tic
Date Taken = 4/23/2012 2:11:06 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04232012.cal
Calibration Version = 7

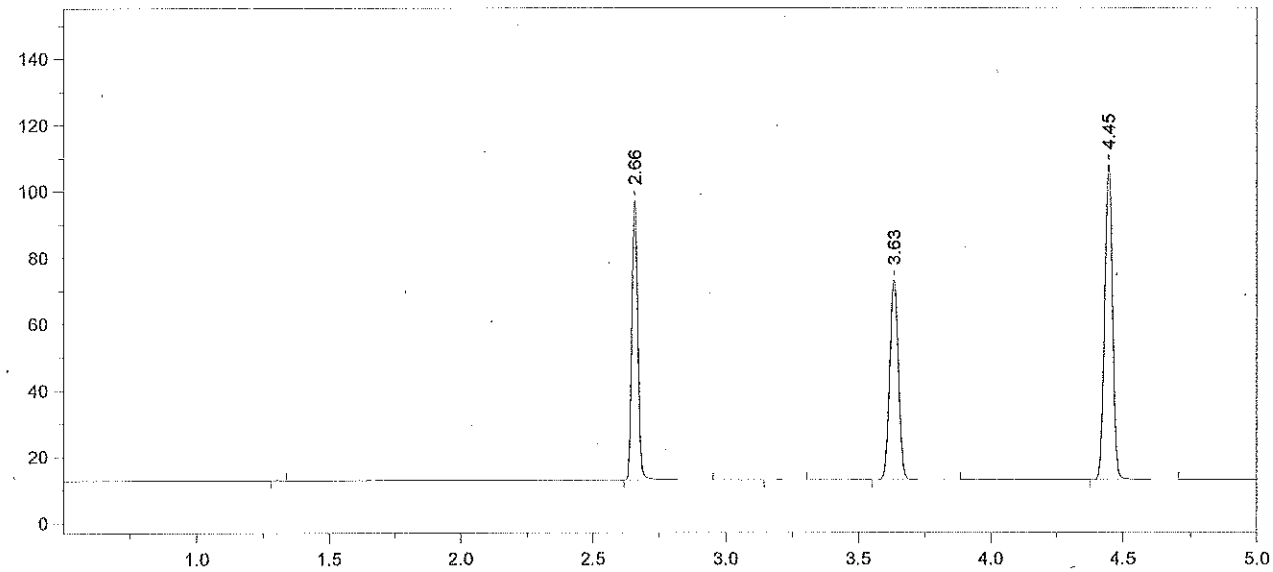
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	127023	0.1234	0.1007
4	3.64	t-Butanol	136813	0.9698	0.7916
5	4.45	n-Propanol	197159	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/23/2012
Today's Time = 3:05:35 PM
Bound File Name = SIM04232012.0024.RAW
Sample Name = 0.10 Ext Std ~~TT~~ TLC
Date Taken = 4/23/2012 2:28:19 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04232012.cal
Calibration Version = 7

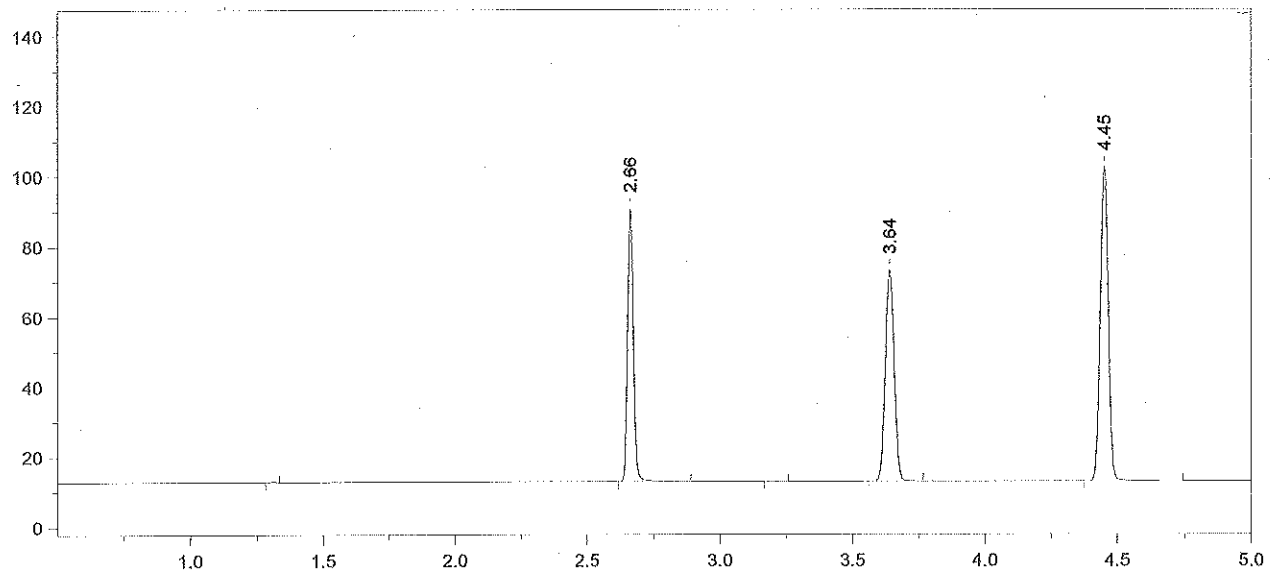
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	120590	0.1220	0.0995
4	3.64	t-Butanol	137660	1.0157	0.8290
5	4.45	n-Propanol	189420	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/23/2012
Today's Time = 3:05:41 PM
Bound File Name = SIM04232012.0025.RAW
Sample Name = 0.10 Ext Std. ~~TT~~ TLC ①
Date Taken = 4/23/2012 2:42:01 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04232012.cal
Calibration Version = 7

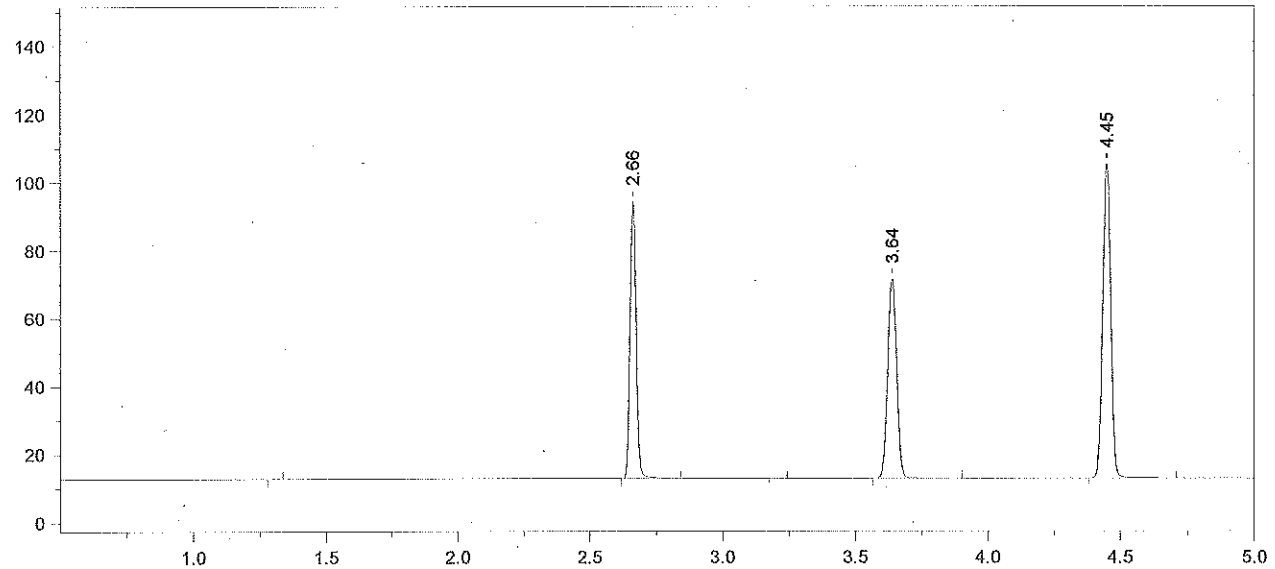
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	129561	0.1234	0.1007
4	3.63	t-Butanol	139040	0.9658	0.7883
5	4.45	n-Propanol	201206	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/23/2012
Today's Time = 3:05:47 PM
Bound File Name = SIM04232012.0026.RAW
Sample Name = 0.10 Ext Std II TLC ②
Date Taken = 4/23/2012 2:59:47 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04232012.cal
Calibration Version = 7

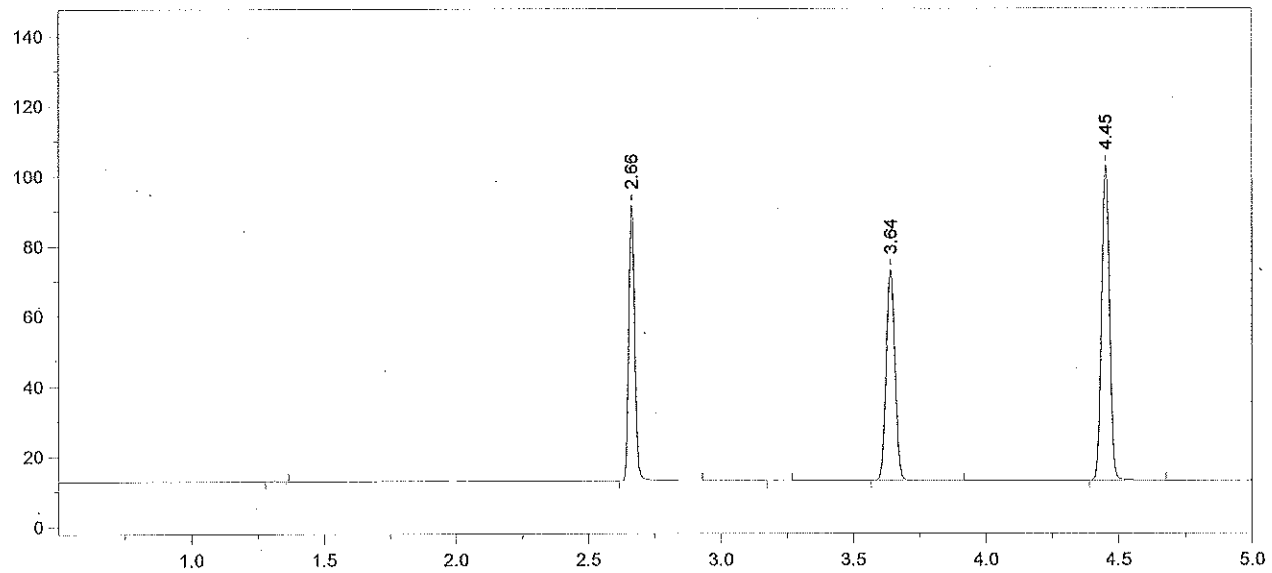
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	118911	0.1202	0.0981
4	3.64	t-Butanol	139292	1.0270	0.8382
5	4.45	n-Propanol	189558	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/23/2012
Today's Time = 3:13:41 PM
Bound File Name = SIM04232012.0027.RAW
Sample Name = 0.10 Ext Std ~~IT~~ TC
Date Taken = 4/23/2012 3:13:32 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04232012.cal
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	125856	0.1227	0.1001
4	3.64	t-Butanol	136087	0.9675	0.7897
5	4.45	n-Propanol	196581	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

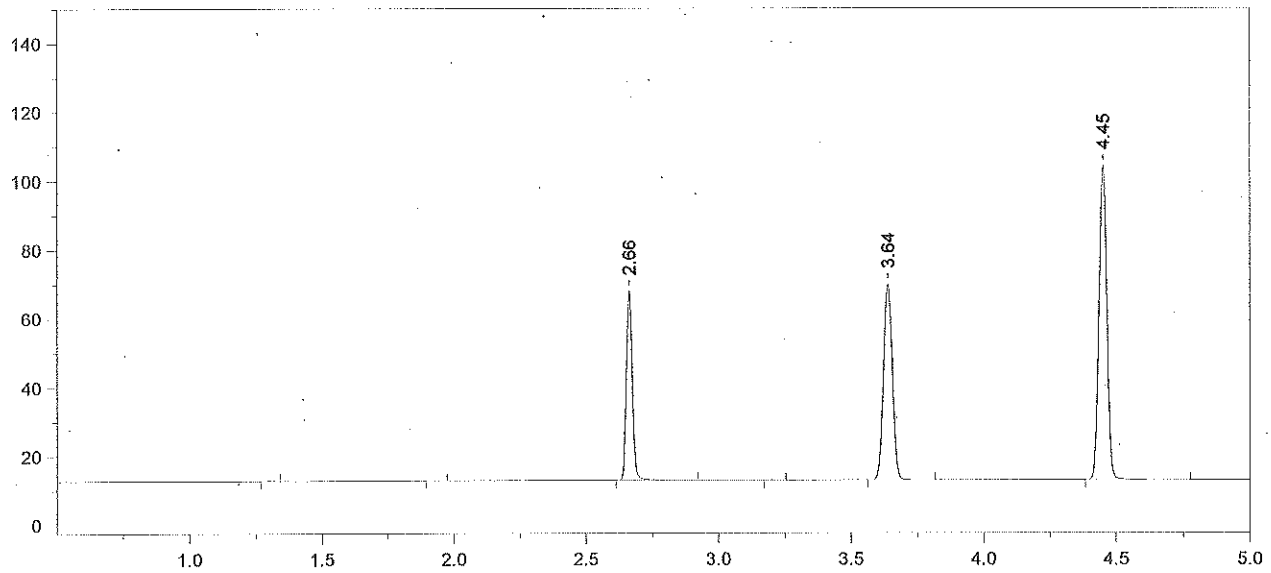
Today's Date = 4/23/2012
Bound File Name = SIM04232012.0028.RAW
Sample Name = 0.10 Ext Std ~~TT~~ TLC
Date Taken = 4/23/2012 3:31:11 PM
Method file = simsoln.met
Calibration file = SimCal 04232012.cal

Today's Time = 3:31:22 PM

VDH Headspace Alcohol

Calibration Version = 7

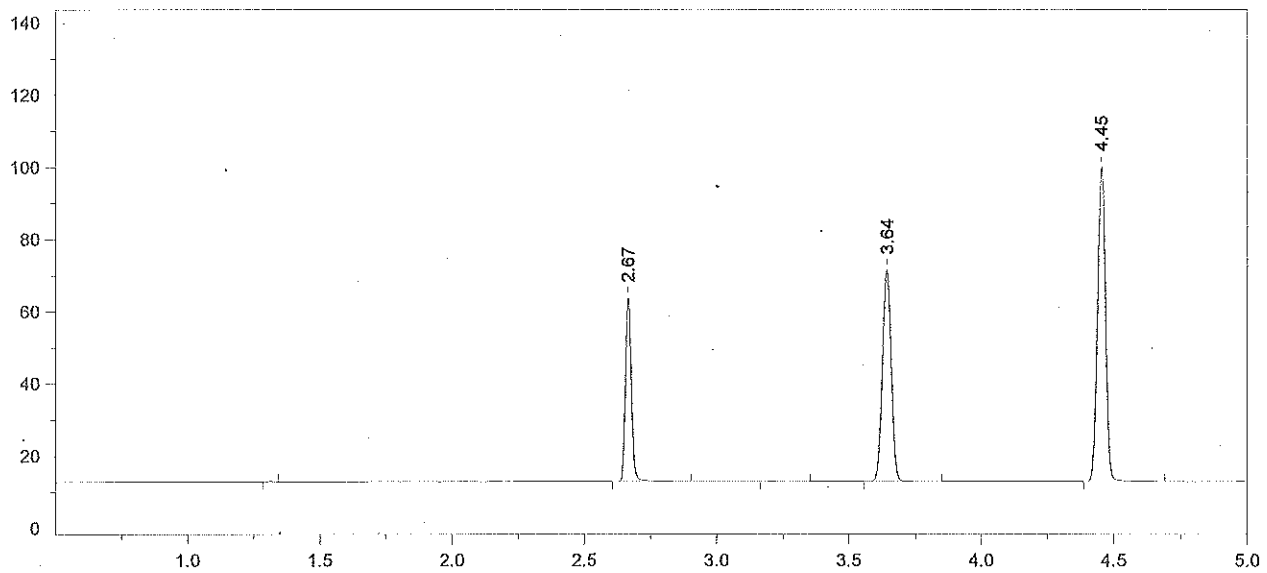
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.66	Ethanol	120684	0.1210	0.0987
4	3.64	t-Butanol	138683	1.0143	0.8279
5	4.45	n-Propanol	191095	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/23/2012
Today's Time = 3:45:41 PM
Bound File Name = SIM04232012.0029.RAW
Sample Name = CCS
Date Taken = 4/23/2012 3:45:32 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04232012.cal
Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	2.66	Ethanol	85567	0.0848	0.0692
5	3.64	t-Butanol	131895	0.9538	0.7785
6	4.45	n-Propanol	193265	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 4/23/2012 Today's Time = 4:02:43 PM
Bound File Name = SIM04232012.0030.RAW
Sample Name = CCS
Date Taken = 4/23/2012 4:02:37 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimCal 04232012.cal Calibration Version = 7

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.67	Ethanol	79295	0.0821 ✓	0.0670
4	3.64	t-Butanol	135501	1.0230	0.8350
5	4.45	n-Propanol	185117	1.0000	0.8162