Vermont Department of Health Laboratory
Organic Chemistry Program

195 Colchester Avenue, P.O. Box 1125, Burlington VT 05402-1125
(ph) 802-863-7336; (fax) 802-863-7632

Certificate of Analysis of DataMaster Interference Solution

On 2/23/2012, an interference solution was prepared by Steven Merrill for use as a DataMaster Interference Check solution. The solution was prepared per standard laboratory practice and assigned the lot number 12-63-080M and an expiration date of 2/16/2013.

This solution is certified as presenting 0.081 g/210L simulated breath ethanol and 0.04% methanol (vol/vol) concentration and approved for use as a DataMaster Interference Check solution.

Dated at Burlington, Vermont on Thursday, February 23, 2012.

Steven Merrill

0.08 Certification Solution 5L
Lot # 12-63-080
Prepared 02/16/2012 by SRM
Exp 02/16/2013

JFH CAL Version 237
SRM/ALB Vials
Analyzed on 02/17/2012

0.0815 srm
0.0809
0.0800
0.0803
0.0801
0.0801
0.0816
0.0820 alb
0.0817
0.0813
0.0814
0.0809
0.0803
0.0811

RKK 2-21-12

Ave. = 0.0809
Std Dev. = 0.0007
Range = 0.0800 - 0.0820

SRM CAL Version 242
SRM/KLK Vials
Analyzed on 02/18/2012

0.0819 srm
0.0819
0.0812
0.0795
0.0796
0.0797
0.0806
0.0796 klk
0.0796
0.0813
0.0794
0.0803
0.0814
0.0801

RKK 2-21-12

Ave. = 0.0804
Std Dev. = 0.0009
Range = 0.0794 - 0.0814

Total Values from Both Runs

Average	Mean
0.0794	0.0794
0.0795	0.0795
0.0796	0.0796
0.0796	
0.0796	
0.0797	0.0797
0.0800	0.0800
0.0801	0.0801
0.0801	
0.0801	
0.0803	0.0803
0.0803	
0.0803	
0.0806	0.0806
0.0809	0.0809
0.0809	
0.0811	0.0811
0.0812	0.0812
0.0813	0.0813
0.0813	
0.0814	0.0814
0.0814	
0.0815	0.0815
0.0816	0.0816
0.0817	0.0817
0.0819	0.0819
0.0819	
0.0820	0.0820
Ave. =	0.0807
Std Dev. =	0.0008
Range =	0.0794 - 0.0820
Mean =	0.0808
Mean Std Dev. =	0.0009
RPD (Mean to Ave.)=	0.12%

Reviewed 2/21/12

Reviewed RKK 2-21-12

DataMaster Certification Solution
Lot # 12-63-080 $EtOH_{aq}$ Conc: 0.081
Range: 0.077 - 0.085
Preparation Date: 02/16/2012 Expires: 02/16/2013

OPENED:

DataMaster Certification Solution
Lot # 12-63-080 $EtOH_{aq}$ Conc: 0.081
Range: 0.077 - 0.085
Preparation Date: 02/16/2012 Expires: 02/16/2013

OPENED:

DataMaster Certification Solution
Lot # 12-63-080 $EtOH_{aq}$ Conc: 0.081
Range: 0.077 - 0.085
Preparation Date: 02/16/2012 Expires: 02/16/2013

OPENED:

DataMaster Certification Solution
Lot # 12-63-080 $EtOH_{aq}$ Conc: 0.081
Range: 0.077 - 0.085
Preparation Date: 02/16/2012 Expires: 02/16/2013

OPENED:

DataMaster Interference Solution
Lot # 12-63-080A1 $EtOH_{aq}$ Conc: 0.081
Range: 0.077 - 0.085 $Acetone_{aq}$ Conc: 0.01
Preparation Date: 02/21/2012 Expires: 02/16/2013

OPENED:

DataMaster Interference Solution
Lot # 12-63-080A1 $EtOH_{aq}$ Conc: 0.081
Range: 0.077 - 0.085 $Acetone_{aq}$ Conc: 0.01
Preparation Date: 02/21/2012 Expires: 02/16/2013

OPENED:

DataMaster Interference Solution
Lot # 12-63-080M $EtOH_{aq}$ Conc: 0.081
Range: 0.077 - 0.085 $MeOH_{aq}$ Conc: 0.04
Preparation Date: 02/21/2012 Expires: 02/16/2013

OPENED:

DataMaster Interference Solution
Lot # 12-63-080M $EtOH_{aq}$ Conc: 0.081
Range: 0.077 - 0.085 $MeOH_{aq}$ Conc: 0.04
Preparation Date: 02/21/2012 Expires: 02/16/2013

OPENED:

DataMaster Interference Solution
Lot # 12-63-080I $EtOH_{aq}$ Conc: 0.081
Range: 0.077 - 0.085 IPA_{aq} Conc: 0.04
Preparation Date: 02/21/2012 Expires: 02/16/2013

OPENED:

DataMaster Interference Solution
Lot # 12-63-080I $EtOH_{aq}$ Conc: 0.081
Range: 0.077 - 0.085 IPA_{aq} Conc: 0.04
Preparation Date: 02/21/2012 Expires: 02/16/2013

OPENED:

DataMaster Certification Solution
Lot # 12-63-080 $EtOH_{aq}$ Conc: 0.081
Range: 0.077 - 0.085
Preparation Date: 02/16/2012 Expires: 02/16/2013

OPENED:

DataMaster Certification Solution
Lot # 12-63-080 $EtOH_{aq}$ Conc: 0.081
Range: 0.077 - 0.085
Preparation Date: 02/16/2012 Expires: 02/16/2013

OPENED:

DataMaster Certification Solution
Lot # 12-63-080 $EtOH_{aq}$ Conc: 0.081
Range: 0.077 - 0.085
Preparation Date: 02/16/2012 Expires: 02/16/2013

OPENED:

DataMaster Certification Solution
Lot # 12-63-080 $EtOH_{aq}$ Conc: 0.081
Range: 0.077 - 0.085
Preparation Date: 02/16/2012 Expires: 02/16/2013

OPENED:

DataMaster Interference Solution
Lot # 12-63-080A1 $EtOH_{aq}$ Conc: 0.081
Range: 0.077 - 0.085 $Acetone_{aq}$ Conc: 0.01
Preparation Date: 02/21/2012 Expires: 02/16/2013

OPENED:

DataMaster Interference Solution
Lot # 12-63-080A1 $EtOH_{aq}$ Conc: 0.081
Range: 0.077 - 0.085 $Acetone_{aq}$ Conc: 0.01
Preparation Date: 02/21/2012 Expires: 02/16/2013

OPENED:

DataMaster Interference Solution
Lot # 12-63-080M $EtOH_{aq}$ Conc: 0.081
Range: 0.077 - 0.085 $MeOH_{aq}$ Conc: 0.04
Preparation Date: 02/21/2012 Expires: 02/16/2013

OPENED:

DataMaster Interference Solution
Lot # 12-63-080M $EtOH_{aq}$ Conc: 0.081
Range: 0.077 - 0.085 $MeOH_{aq}$ Conc: 0.04
Preparation Date: 02/21/2012 Expires: 02/16/2013

OPENED:

DataMaster Interference Solution
Lot # 12-63-080I $EtOH_{aq}$ Conc: 0.081
Range: 0.077 - 0.085 IPA_{aq} Conc: 0.04
Preparation Date: 02/21/2012 Expires: 02/16/2013

OPENED:

DataMaster Interference Solution
Lot # 12-63-080I $EtOH_{aq}$ Conc: 0.081
Range: 0.077 - 0.085 IPA_{aq} Conc: 0.04
Preparation Date: 02/21/2012 Expires: 02/16/2013

OPENED:

Vermont Department of Health Laboratory
Organic Chemistry Program
195 Colchester Avenue, P.O. Box 1125, Burlington VT 05402-1125
(ph) 802-863-7336; (fax) 802-863-7632

Certificate of Analysis of DataMaster Interference Solution

On 2/23/2012, an interference solution was prepared by Steven Merrill for use as a DataMaster Interference Check solution. The solution was prepared per standard laboratory practice and assigned the lot number 12-63-080I and an expiration date of 2/16/2013.

This solution is certified as presenting 0.081 g/210L simulated breath ethanol and 0.04% isopropanol (vol/vol) concentration and approved for use as a DataMaster Interference Check solution.

Dated at Burlington, Vermont on Thursday, February 23, 2012.

Steven Merrill

Vermont Department of Health Laboratory
Organic Chemistry Program

195 Colchester Avenue, P.O. Box 1125, Burlington VT 05402-1125
(ph) 802-863-7336; (fax) 802-863-7632

Certificate of Analysis of DataMaster Interference Solution

On 2/23/2012, an interference solution was prepared by Steven Merrill for use as a DataMaster Interference Check solution. The solution was prepared per standard laboratory practice and assigned the lot number 12-63-080A1 and an expiration date of 2/16/2013.

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

Dated at Burlington, Vermont on Thursday, February 23, 2012.

Steven Merrill

Vermont Department of Health Laboratory
Organic Chemistry Program

195 Colchester Avenue, P.O. Box 1125, Burlington VT 05402-1125
(ph) 802-863-7336; (fax) 802-863-7632

Certificate of Analysis of DataMaster Certification Solution

On 2/16/2012, an ethanol solution was prepared by Steven Merrill for use as a DataMaster Certification solution. The solution was prepared per standard laboratory practice and assigned the lot number 12-63-080 and an expiration date of 2/16/2012.

On 2/17/2012 and 2/18/2012, the solution was analyzed against calibration Cal Version #237 and Cal Version #242. Analysis of the solution was performed using headspace gas chromatography. The instrument was calibrated prior to analyses. It was found to have met required quality assurance performance specifications and was operating properly. Quality checks throughout the analytical process demonstrated that the instrument continued to operate properly.

This solution is certified as presenting 0.081 g/210L simulated breath ethanol concentration and approved for use as a DataMaster Certification solution.

Dated at Burlington, Vermont on Tuesday, February 21, 2012.

Steven Merrill

Chrom Perfect Calibration File

File Name: C:\Methods\5890 Blood Methods\SimSolution.cal
Version: 237

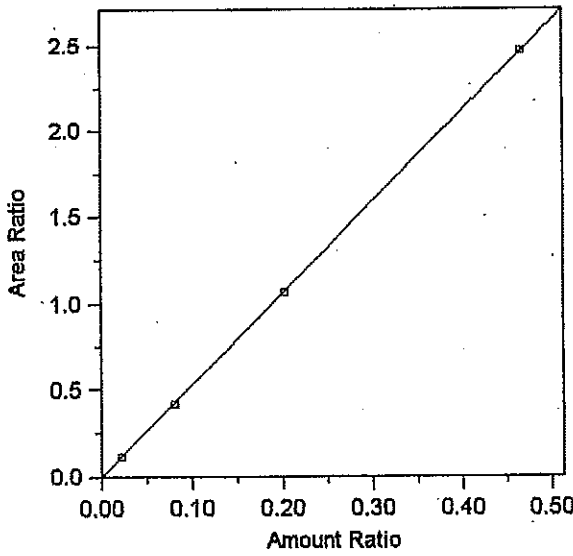
Creator:
Description:
Reason for change:

Internal standard calibration
No injection volume correction
No sample weight correction
Area reject threshold: 15000
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:	2.563 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

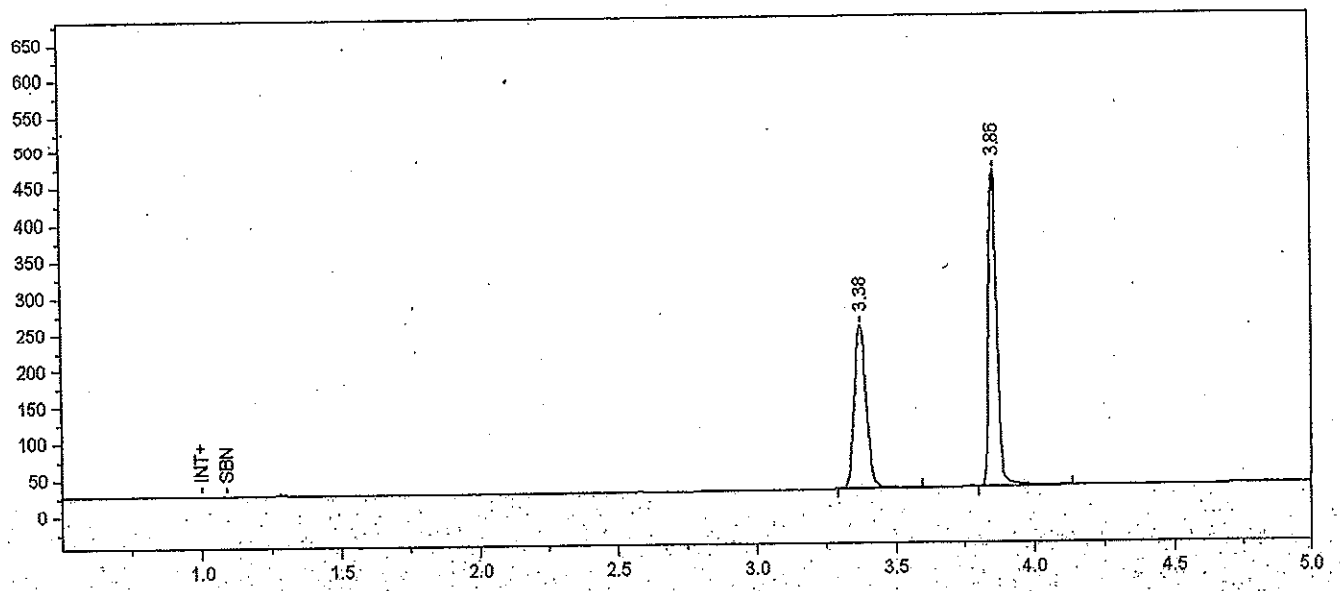
Single peak quantification by area

Y = 5.291643 X + 0

Linear fit with equal weighting, forced to origin

Coefficient of determination:	0.9999601
Average error:	1.103%
Average CF:	4.177298
RSD:	55.927%

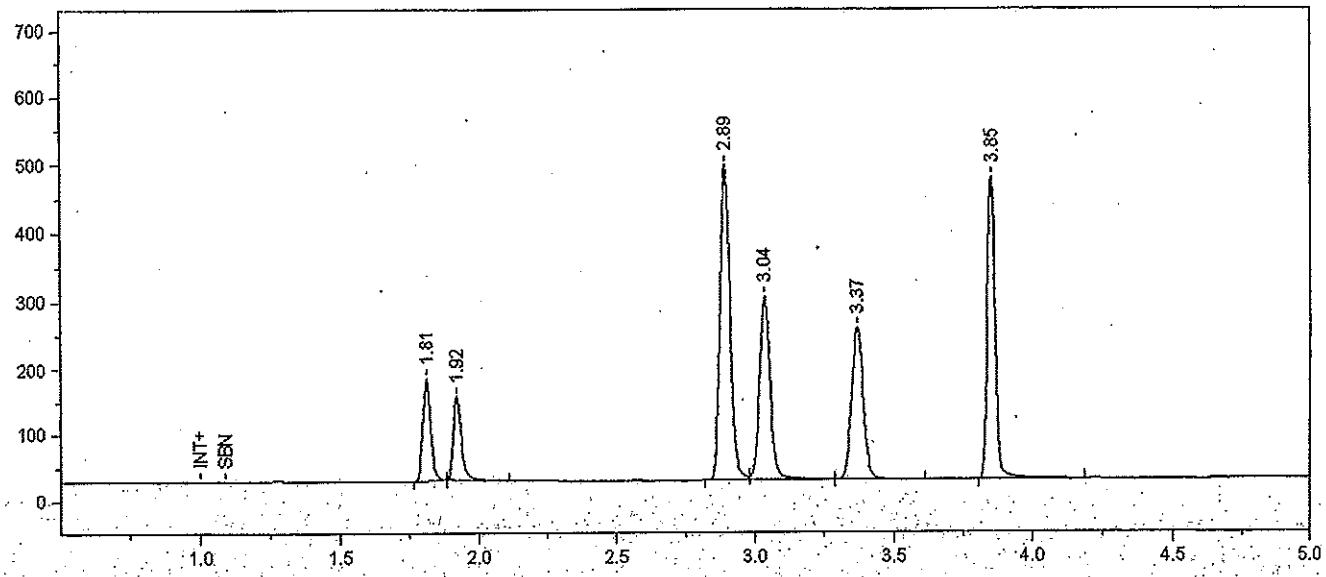
Level	Amount	Response	Cal Factor	Error, %	Amount Ratio	Response Ratio	Source	Date and time
1	0	(0)	--	0.000	0	0	Manual	4/11/2005 10:03:40 AM
2	0.0223	96326.05	4319554	-2.498	0.0223	0.115068	C:\Blood Alc\Sim021412\Sim021412.0003.BND	2/14/2012 10:48:18 AM
3	0.0814	349550	4294226	-2.811	0.0814	0.4186298	C:\Blood Alc\Sim021412\Sim021412.0004.BND	2/14/2012 11:03:19 AM
4	0.2016	885656.3	4393137	-0.105	0.2016	1.065677	C:\Blood Alc\Sim021412\Sim021412.0005.BND	2/14/2012 11:18:26 AM
5	0.466	2047520	4393820	0.111	0.466	2.468645	C:\Blood Alc\Sim021412\Sim021412.0006.BND	2/14/2012 11:33:18 AM



Format File Name = simsoln-JFH.met.FMT

Today's Date = 2/14/2012
Today's Time = 4:05:40 PM
Bound File Name = Sim021412.0001.RAW
Sample Name = Blank
Date Taken = 2/14/2012 10:18:37 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimSolution.cal
Calibration Version = 237

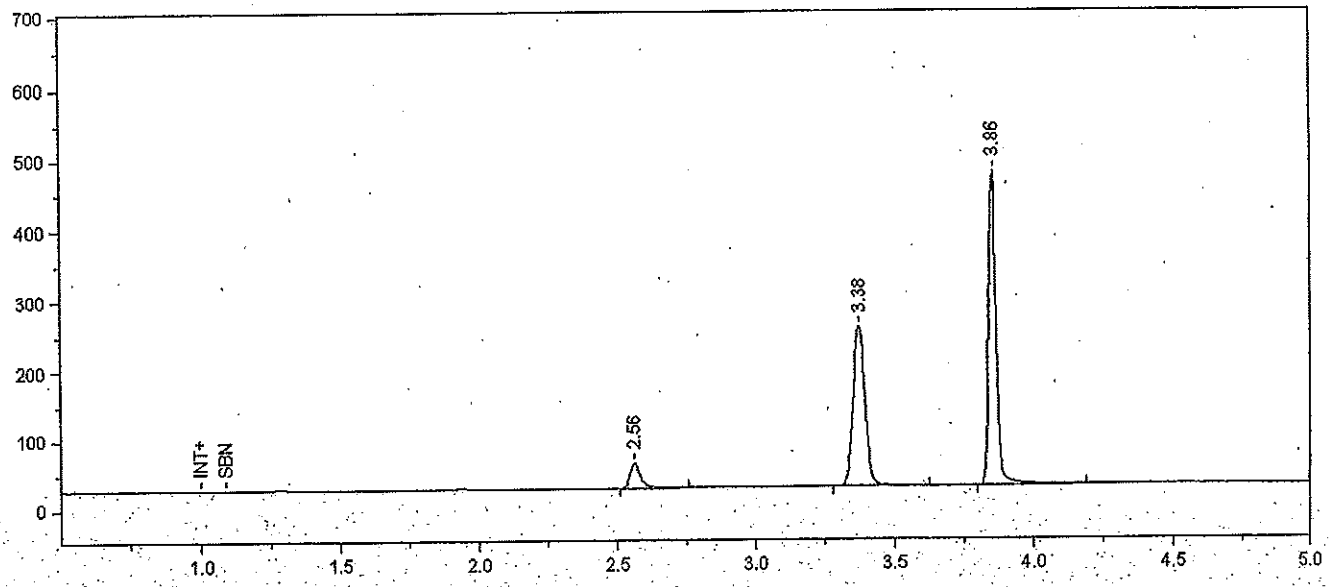
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	3.38	t-Butanol	654430	1.0088	0.8234
2	3.86	n-Propanol	808265	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 2/14/2012 Today's Time = 4:05:44 PM
Bound File Name = Sim021412.0002.RAW
Sample Name = TMX
Date Taken = 2/14/2012 10:33:14 AM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimSolution.cal Calibration Version = 237

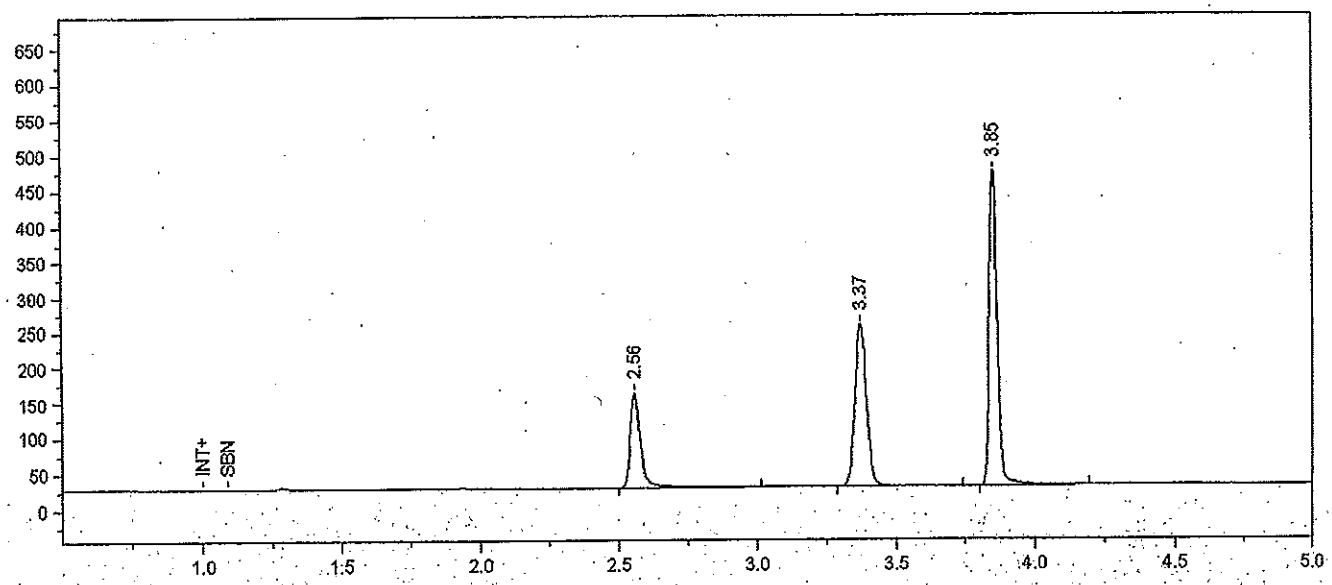
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	1.81	Acetaldehyde	305023	0.0510	0.0416
2	1.92	Methanol	254501	0.1280	0.1045
3	2.89	Acetone	1163298	0.0600	0.0490
4	3.04	Isopropanol	739243	0.0810	0.0661
5	3.37	t-Butanol	673989	1.0023	0.8181
6	3.85	n-Propanol	837813	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 2/14/2012
Today's Time = 4:05:49 PM
Bound File Name = Sim021412.0003.RAW
Sample Name = Std A
Date Taken = 2/14/2012 10:48:16 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimSolution.cal
Calibration Version = 237

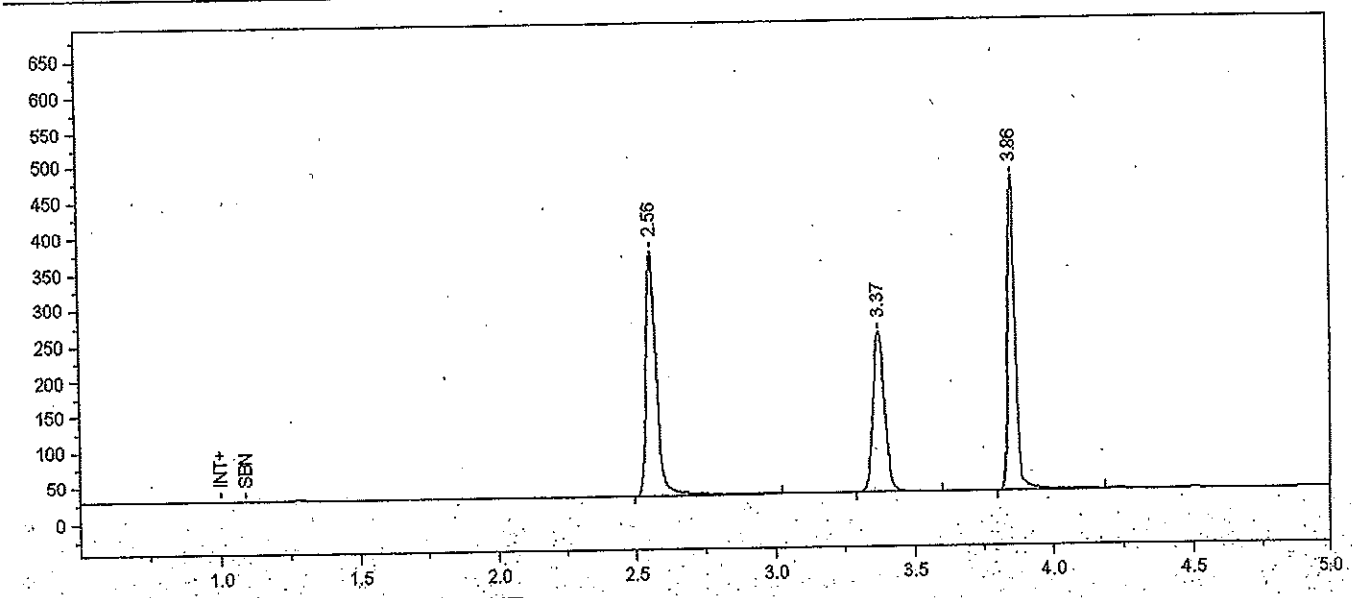
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.56	Ethanol	96326	0.0217	0.0177
2	3.38	t-Butanol	671243	0.9990	0.8154
3	3.86	n-Propanol	837123	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 2/14/2012
Today's Time = 4:05:53 PM
Bound File Name = Sim021412.0004.RAW
Sample Name = Std B
Date Taken = 2/14/2012 11:03:17 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimSolution.cal
Calibration Version = 237

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.56	Ethanol	349550	0.0791	0.0646
2	3.37	t-Butanol	672032	1.0028	0.8185
3	3.85	n-Propanol	834986	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

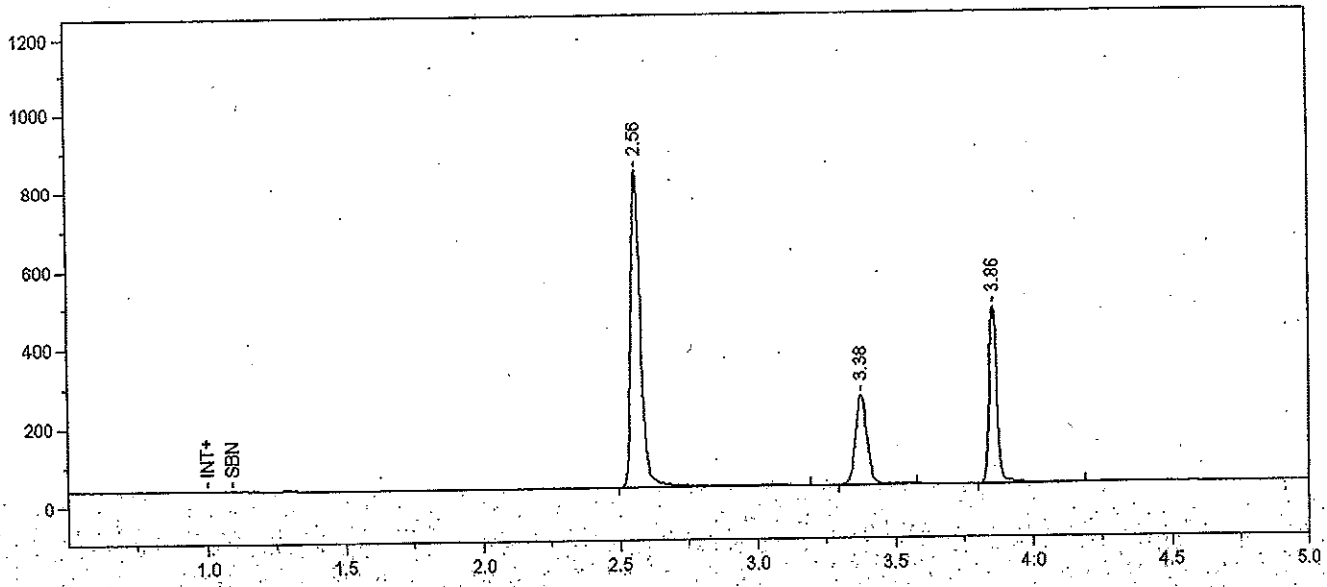
Today's Date = 2/14/2012
Today's Time = 4:05:58 PM

Bound File Name = Sim021412.0005.RAW
Sample Name = Std C
Date Taken = 2/14/2012 11:18:18 AM
Method file = simsoln.met
Calibration file = SimSolution.cal

VDH Headspace Alcohol

Calibration Version = 237

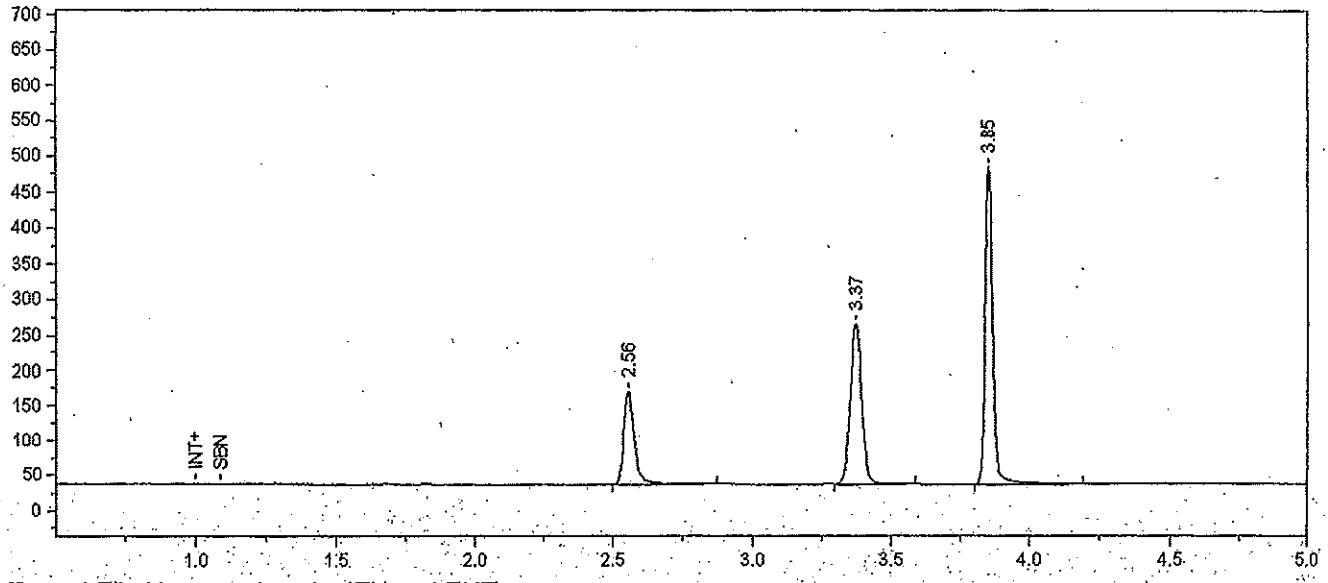
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.56	Ethanol	885656	0.2014	0.1644
2	3.37	t-Butanol	666618	0.9994	0.8157
3	3.86	n-Propanol	831074	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 2/14/2012
Today's Time = 4:06:03 PM
Bound File Name = Sim021412.0006.RAW
Sample Name = Std D
Date Taken = 2/14/2012 11:33:17 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimSolution.cal
Calibration Version = 237

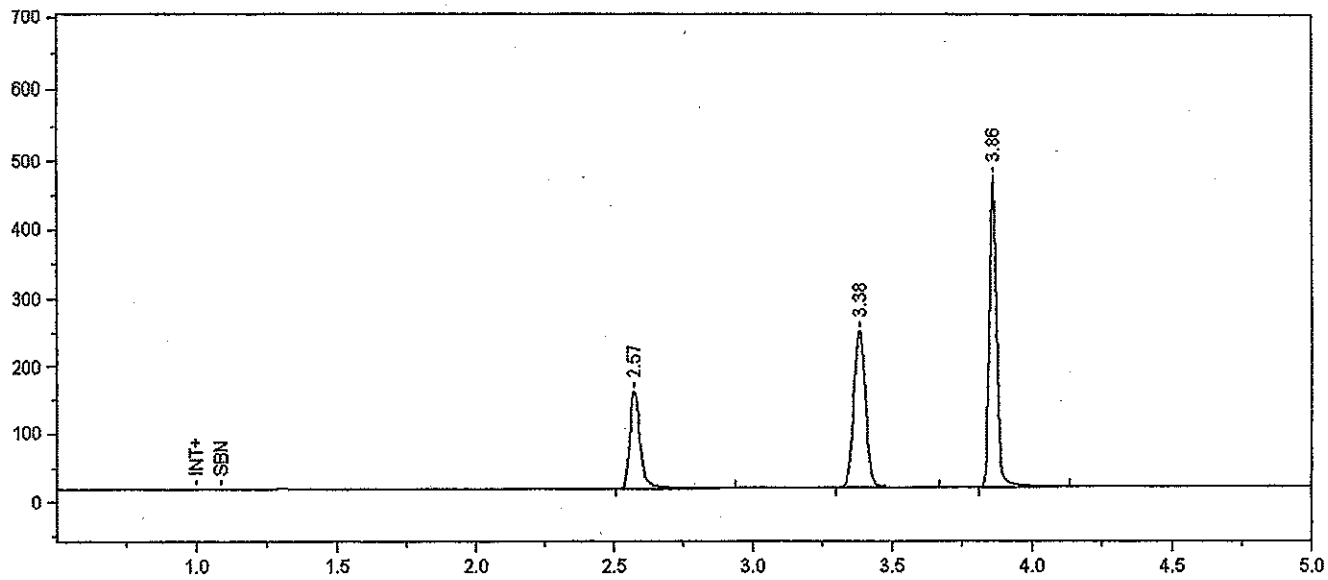
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.56	Ethanol	2047520	0.4665	0.3808
2	3.38	t-Butanol	663384	0.9965	0.8134
3	3.86	n-Propanol	829410	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 2/14/2012 Today's Time = 4:06:08 PM
Bound File Name = Sim021412.0007.RAW
Sample Name = AQ QC
Date Taken = 2/14/2012 11:48:24 AM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimSolution.cal Calibration Version = 237

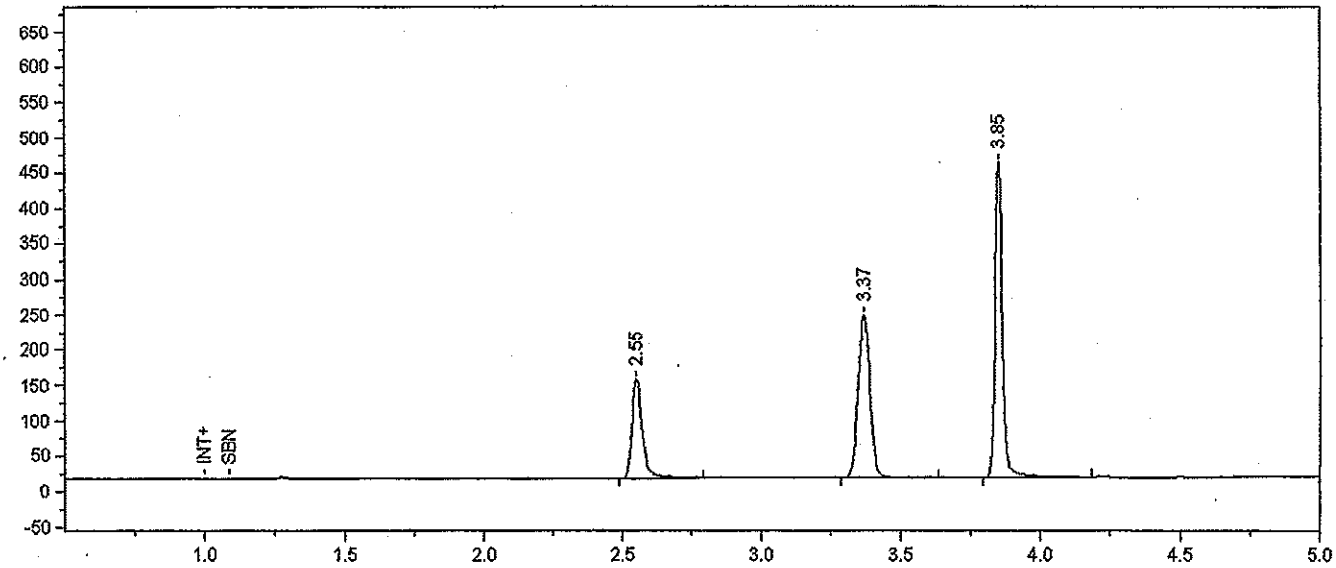
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.56	Ethanol	349518	0.0790	0.0645
2	3.37	t-Butanol	667768	0.9957	0.8127
3	3.85	n-Propanol	835594	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 2/18/2012 Today's Time = 9:04:17 AM
Bound File Name = Sim021712.0001.RAW
Sample Name = CCS B
Date Taken = 2/17/2012 9:42:25 AM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimSolution.cal Calibration Version = 237

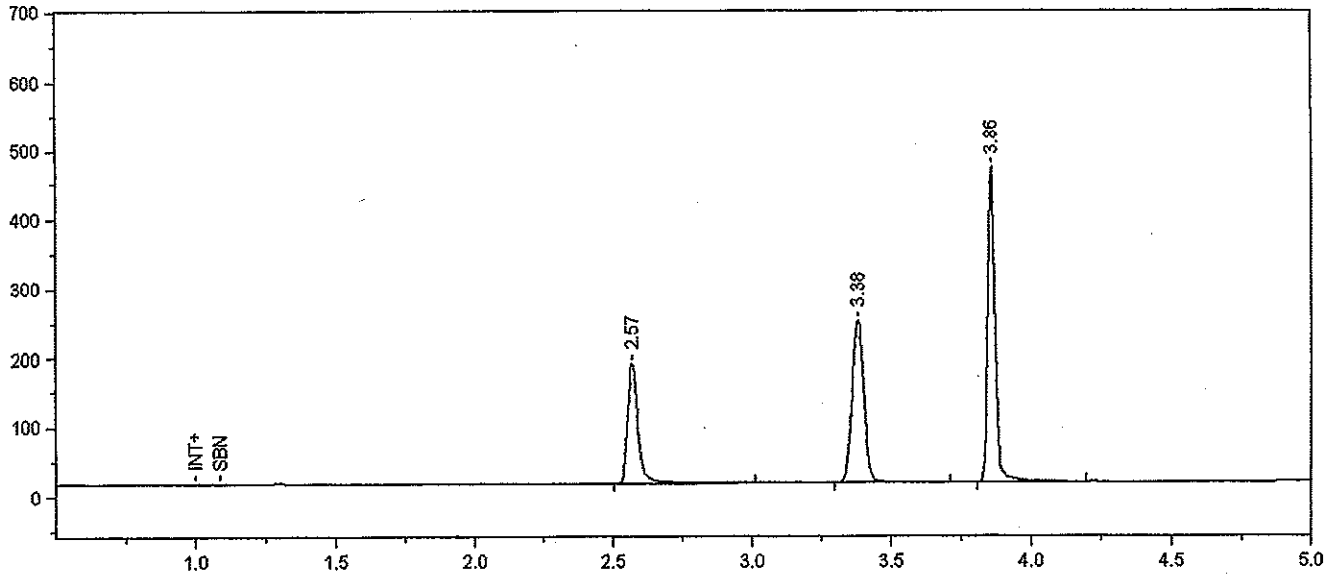
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.57	Ethanol	371014	0.0831	0.0678
2	3.38	t-Butanol	681523	1.0062	0.8213
3	3.86	n-Propanol	843903	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 2/18/2012 Today's Time = 9:04:20 AM
Bound File Name = Sim021712.0002.RAW
Sample Name = CCS B
Date Taken = 2/17/2012 9:57:03 AM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimSolution.cal Calibration Version = 237

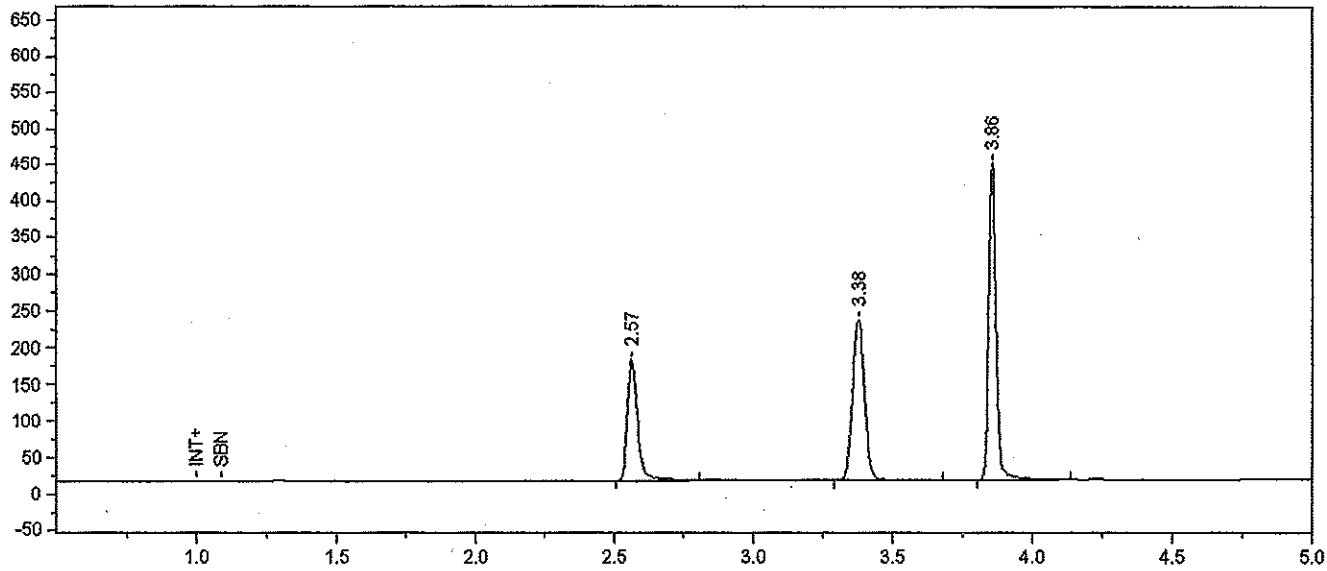
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.55	Ethanol	362342	0.0814	0.0665
2	3.37	t-Butanol	672610	0.9965	0.8134
3	3.85	n-Propanol	840923	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 2/18/2012
Today's Time = 9:04:22 AM
Bound File Name = Sim021712.0003.RAW
Sample Name = 0.08 Sim Sol - SRM
Date Taken = 2/17/2012 10:12:04 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimSolution.cal
Calibration Version = 237

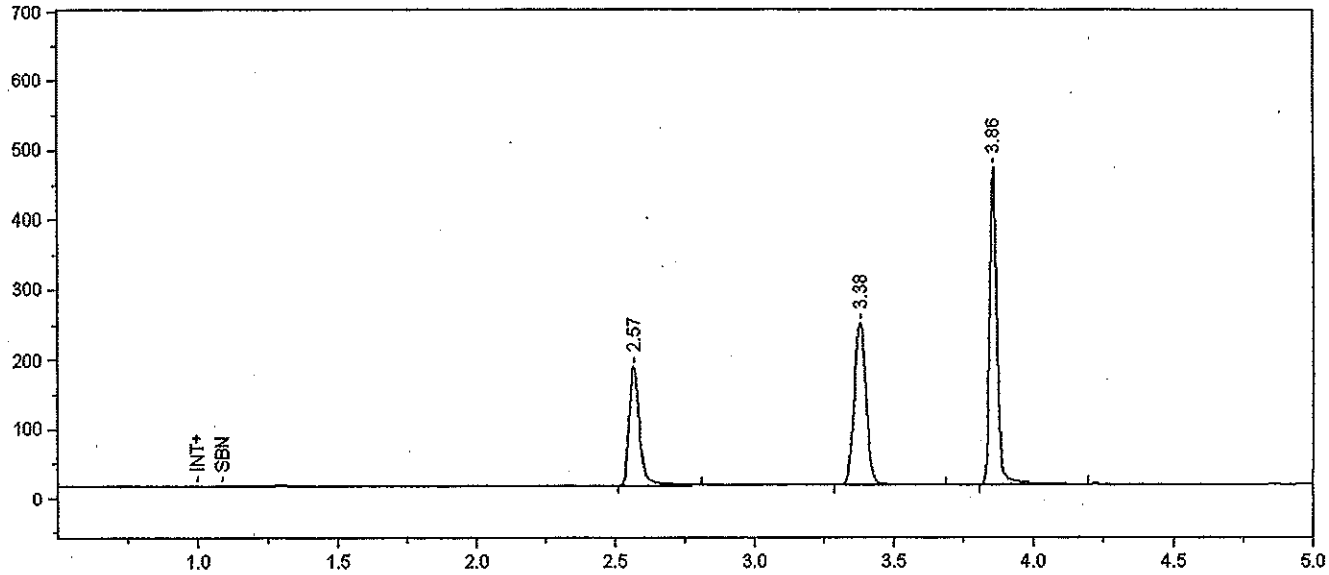
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.57	Ethanol	453072	0.0999	0.0815
2	3.38	t-Butanol	689322	1.0020	0.8179
3	3.86	n-Propanol	857107	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 2/18/2012
Today's Time = 9:04:27 AM
Bound File Name = Sim021712.0004.RAW
Sample Name = 0.08 Sim Sol - SRM
Date Taken = 2/17/2012 10:27:05 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimSolution.cal
Calibration Version = 237

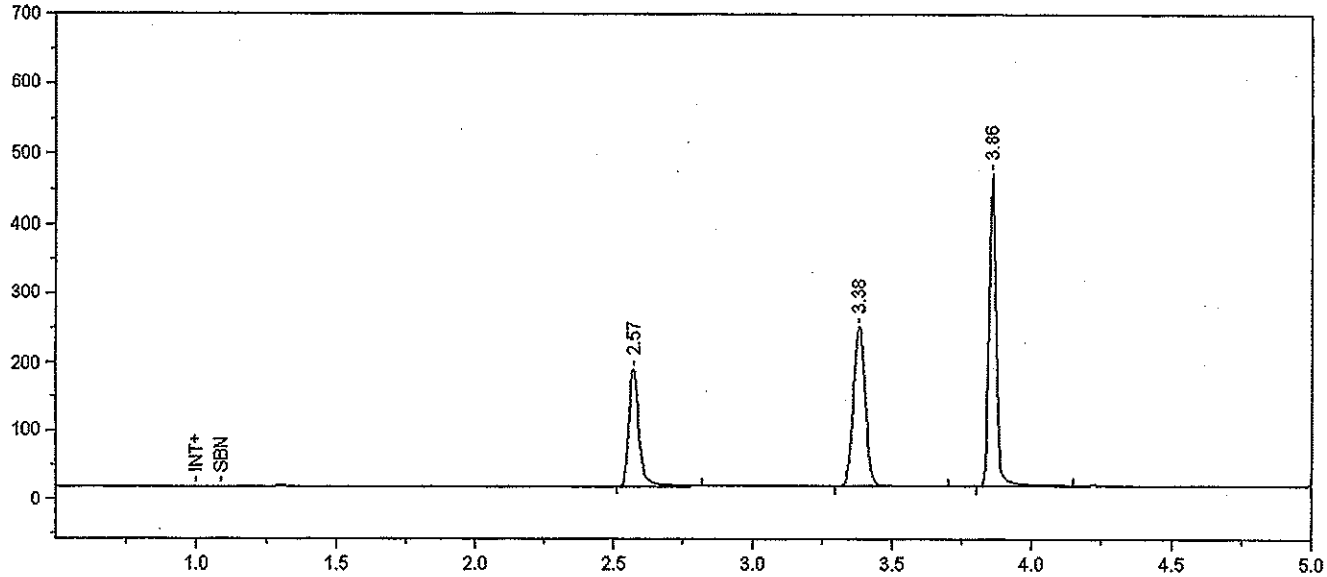
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.57	Ethanol	421724	0.0991	0.0809
2	3.38	t-Butanol	641335	0.9937	0.8111
3	3.86	n-Propanol	804109	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 2/18/2012
Today's Time = 9:04:32 AM
Bound File Name = Sim021712.0005.RAW
Sample Name = 0.08 Sim Sol - SRM
Date Taken = 2/17/2012 10:42:06 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimSolution.cal
Calibration Version = 237

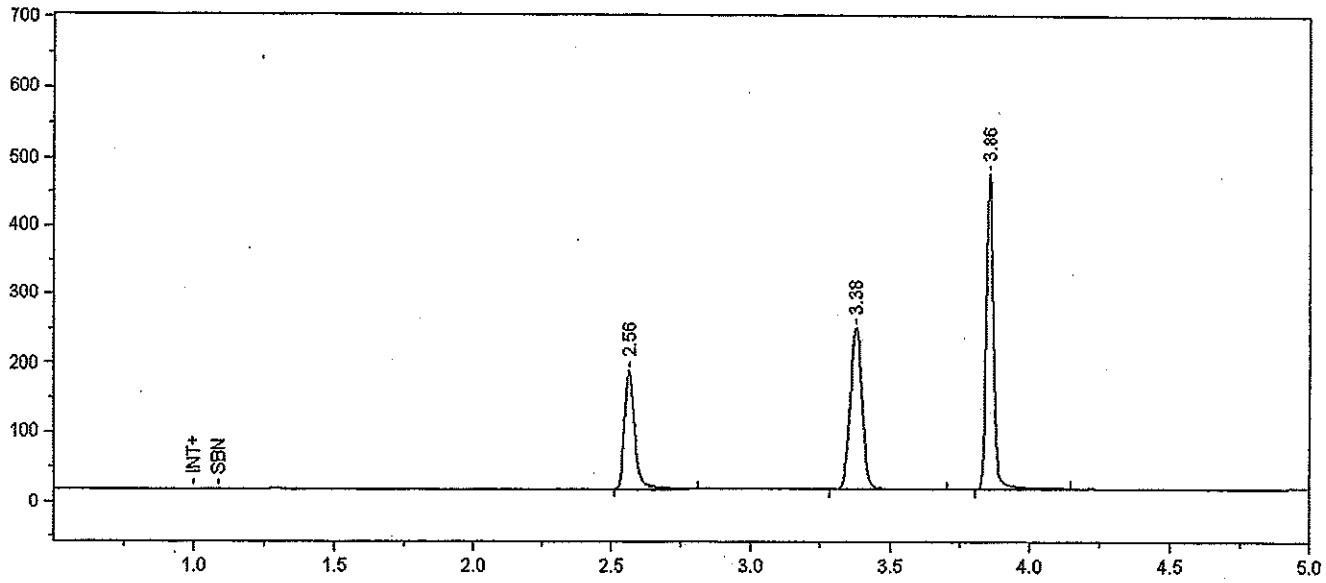
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.57	Ethanol	443383	0.0980	0.0800
2	3.38	t-Butanol	685732	0.9994	0.8157
3	3.86	n-Propanol	854923	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 2/18/2012 Today's Time = 9:04:36 AM
Bound File Name = Sim021712.0006.RAW
Sample Name = 0.08 Sim Sol - SRM
Date Taken = 2/17/2012 10:57:05 AM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimSolution.cal Calibration Version = 237

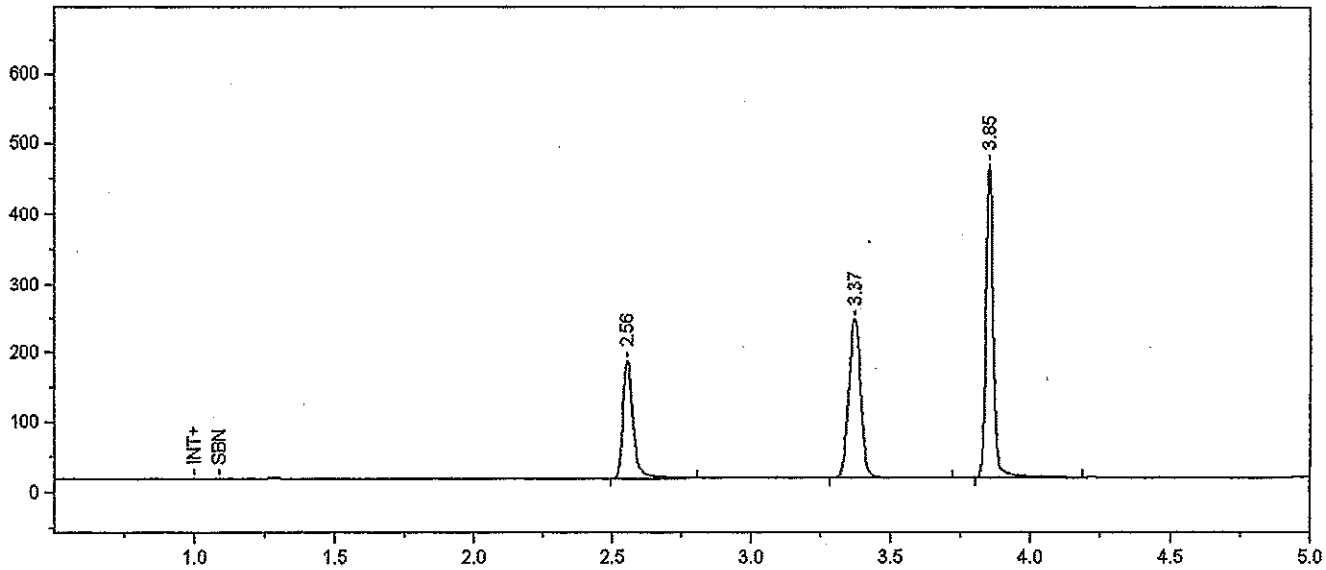
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.57	Ethanol	438596	0.0983	0.0803
2	3.38	t-Butanol	679093	1.0039	0.8194
3	3.86	n-Propanol	842780	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 2/18/2012 Today's Time = 9:04:41 AM
Bound File Name = Sim021712.0007.RAW
Sample Name = 0.08 Sim Sol - SRM
Date Taken = 2/17/2012 11:12:12 AM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimSolution.cal Calibration Version = 237

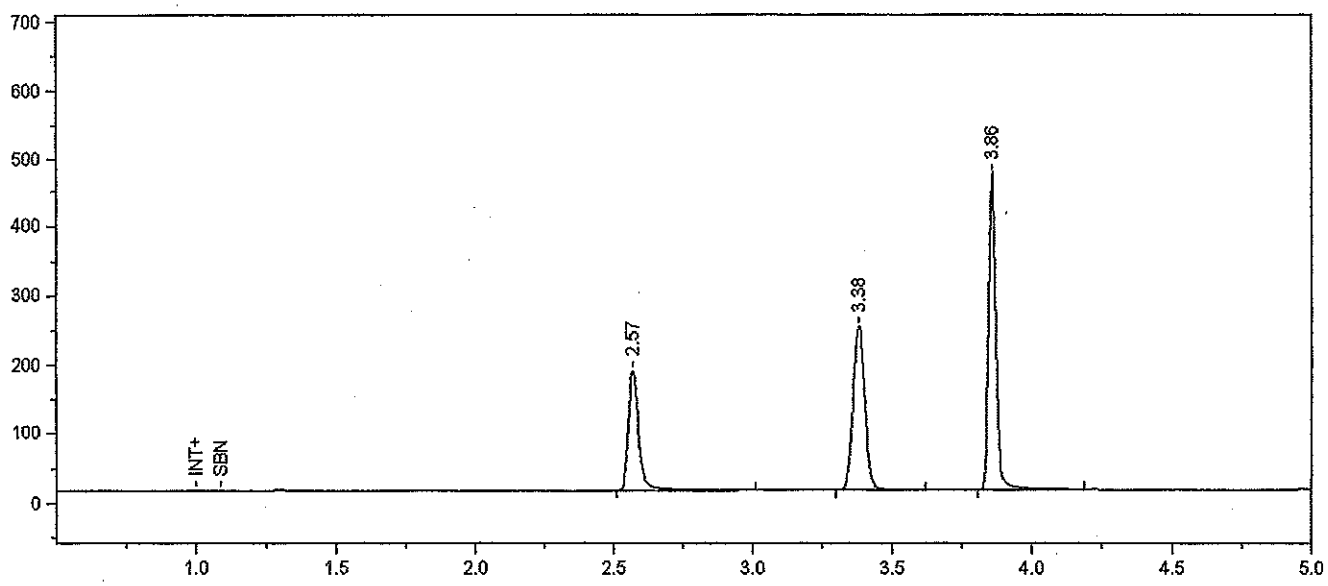
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.56	Ethanol	439920	0.0982	0.0801
2	3.38	t-Butanol	683957	1.0064	0.8214
3	3.86	n-Propanol	846731	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 2/18/2012
Today's Time = 9:04:46 AM
Bound File Name = Sim021712.0008.RAW
Sample Name = 0.08 Sim Sol - SRM
Date Taken = 2/17/2012 11:27:13 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimSolution.cal
Calibration Version = 237

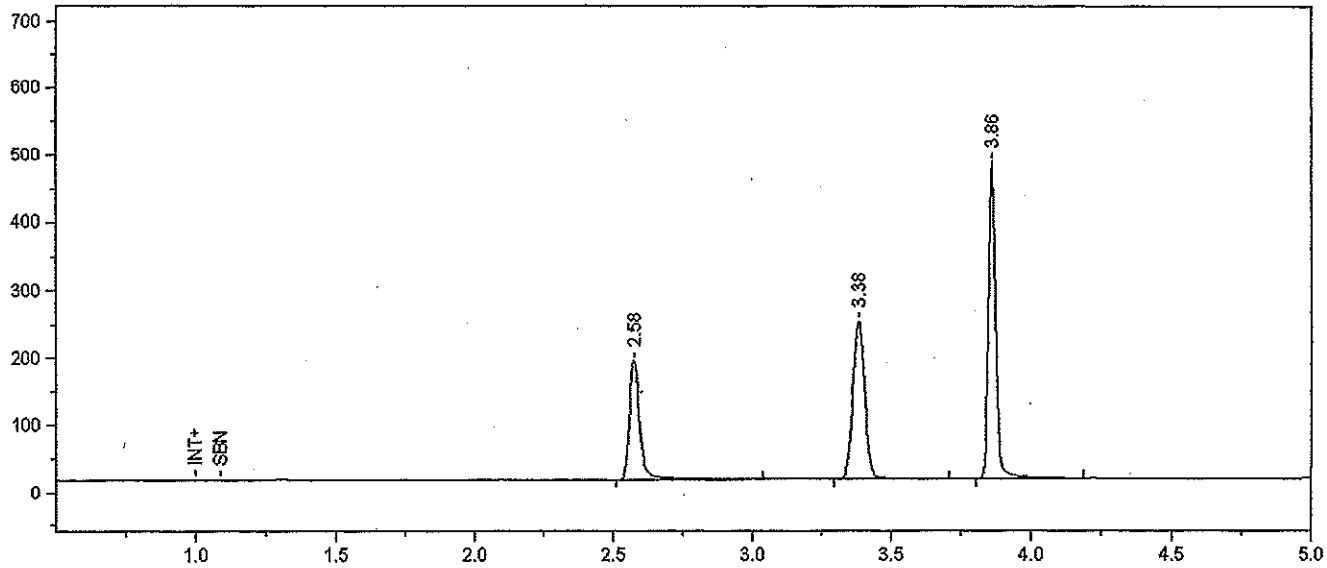
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.56	Ethanol	438637	0.0981	0.0801
2	3.37	t-Butanol	677457	0.9993	0.8156
3	3.85	n-Propanol	844668	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 2/18/2012
Today's Time = 9:04:51 AM
Bound File Name = Sim021712.0009.RAW
Sample Name = 0.08 Sim Sol - SRM
Date Taken = 2/17/2012 11:42:09 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimSolution.cal
Calibration Version = 237

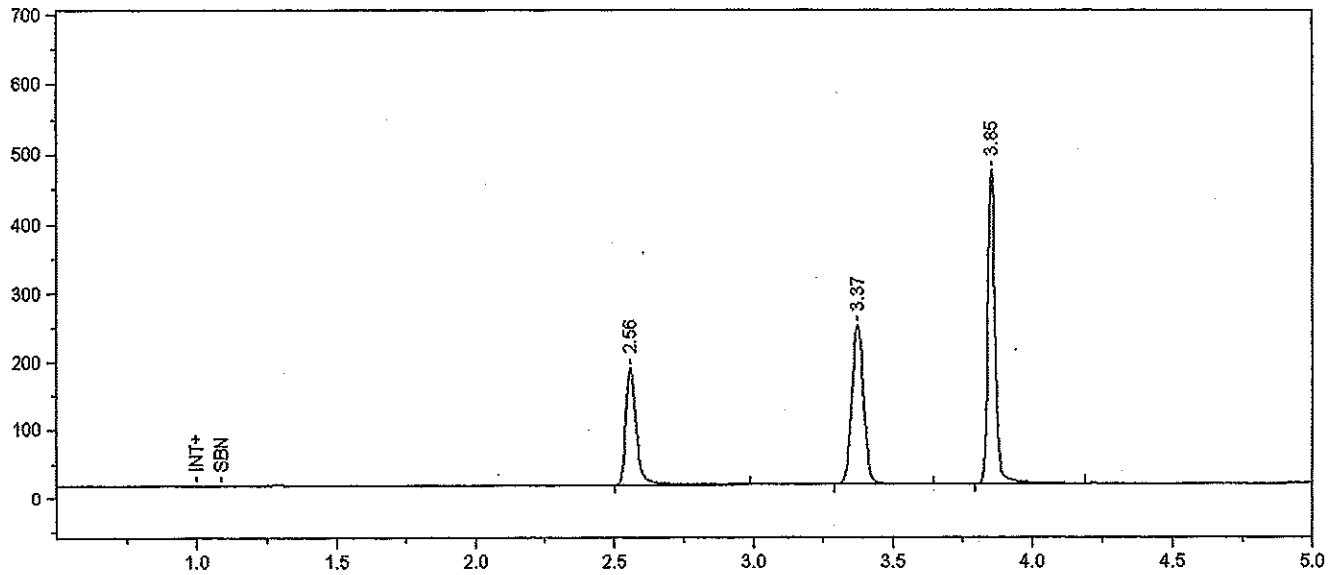
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.57	Ethanol	454099	0.0999	0.0816
2	3.38	t-Butanol	688973	0.9998	0.8160
3	3.86	n-Propanol	858580	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 2/18/2012 Today's Time = 9:04:56 AM
Bound File Name = Sim021712.0010.RAW
Sample Name = 0.08 Sim Sol - ALB
Date Taken = 2/17/2012 11:57:11 AM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimSolution.cal Calibration Version = 237

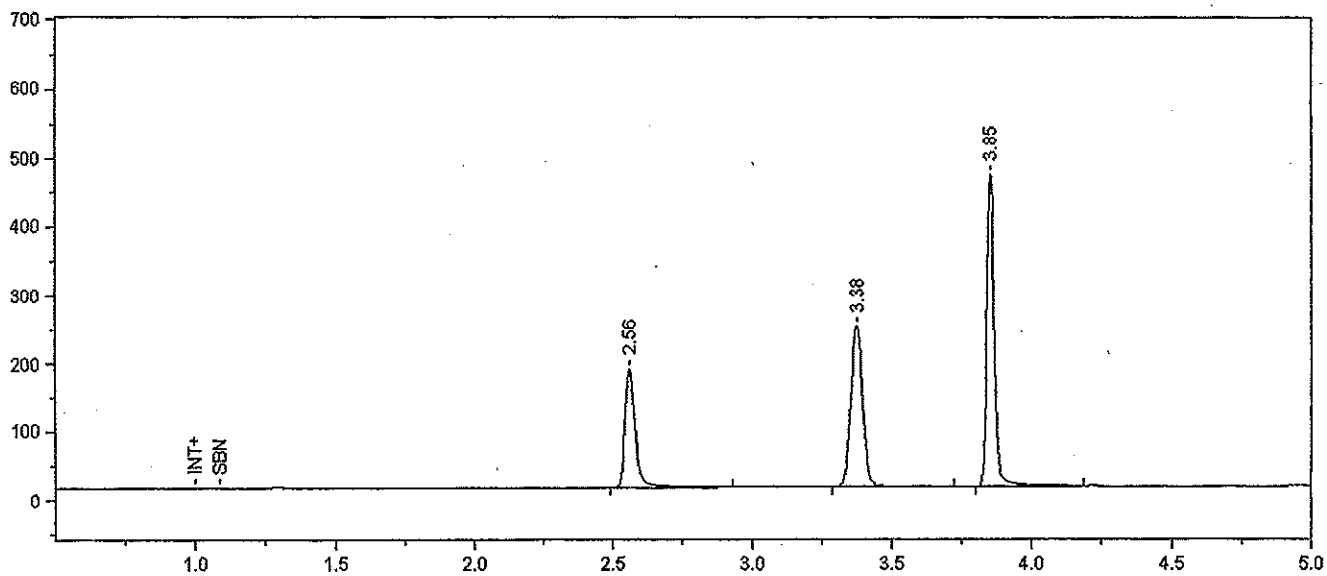
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.58	Ethanol	463810	0.1005	0.0820
2	3.38	t-Butanol	691323	0.9876	0.8061
3	3.86	n-Propanol	872149	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 2/18/2012
Today's Time = 9:05:01 AM
Bound File Name = Sim021712.0011.RAW
Sample Name = 0.08 Sim Sol - ALB
Date Taken = 2/17/2012 12:12:12 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimSolution.cal
Calibration Version = 237

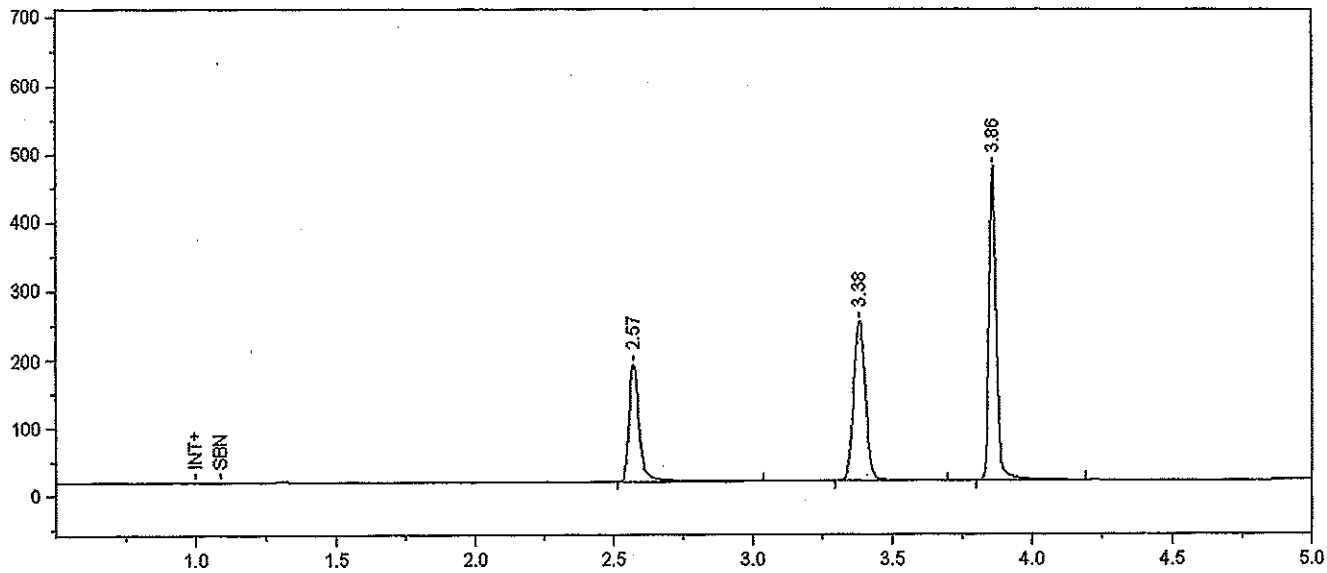
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.56	Ethanol	454795	0.1001	0.0817
2	3.37	t-Butanol	688103	0.9988	0.8152
3	3.85	n-Propanol	858375	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 2/18/2012
Today's Time = 9:05:06 AM
Bound File Name = Sim021712.0012.RAW
Sample Name = 0.08 Sim Sol - ALB
Date Taken = 2/17/2012 12:27:13 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimSolution.cal
Calibration Version = 237

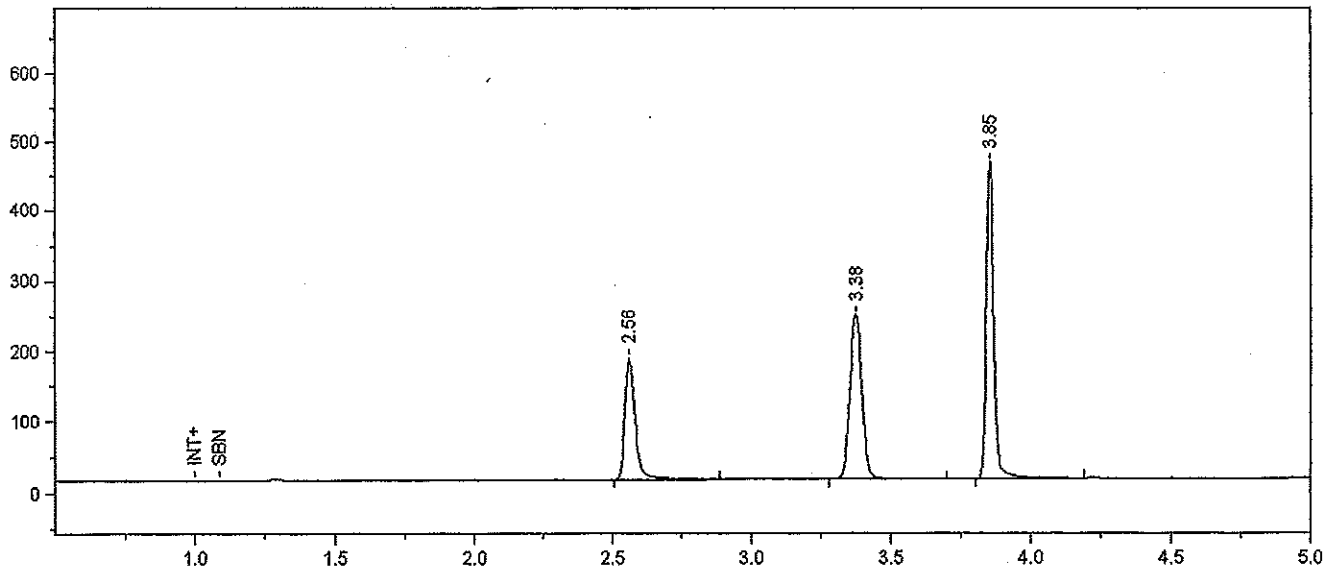
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.56	Ethanol	452702	0.0996	0.0813
2	3.38	t-Butanol	688745	0.9989	0.8153
3	3.85	n-Propanol	859081	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 2/18/2012
Today's Time = 9:05:10 AM
Bound File Name = Sim021712.0013.RAW
Sample Name = 0.08 Sim Sol - ALB
Date Taken = 2/17/2012 12:42:17 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimSolution.cal
Calibration Version = 237

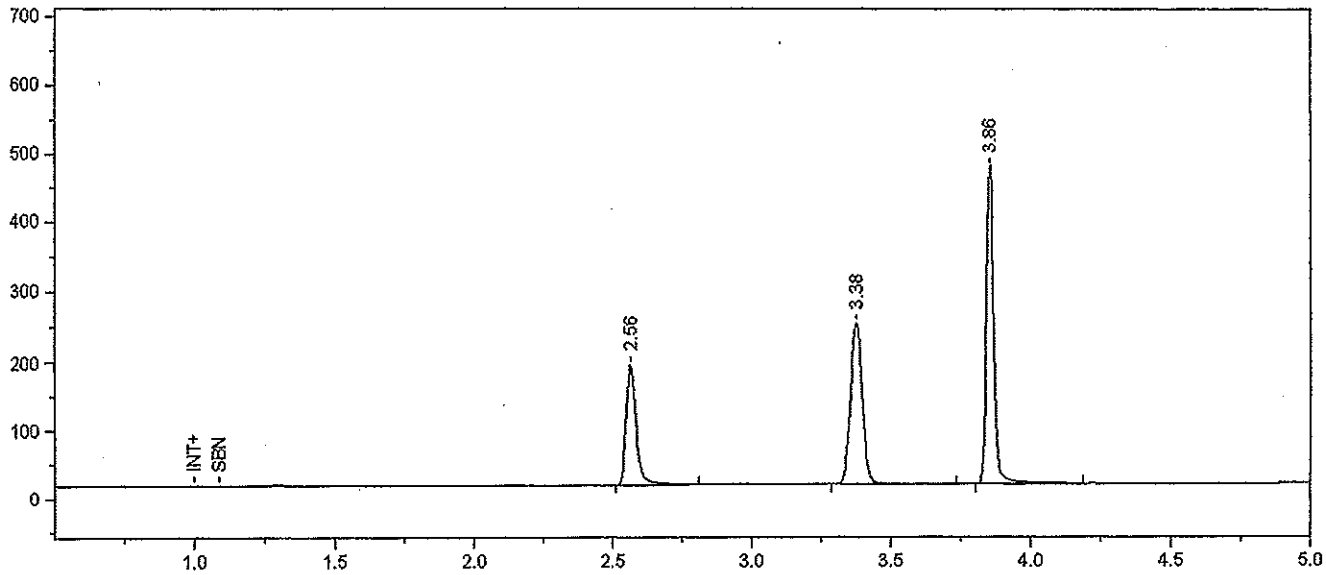
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.57	Ethanol	453019	0.0998	0.0814
2	3.38	t-Butanol	689359	1.0008	0.8169
3	3.86	n-Propanol	858168	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 2/18/2012
Today's Time = 9:05:15 AM
Bound File Name = Sim021712.0014.RAW
Sample Name = 0.08 Sim Sol - ALB
Date Taken = 2/17/2012 12:57:18 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimSolution.cal
Calibration Version = 237

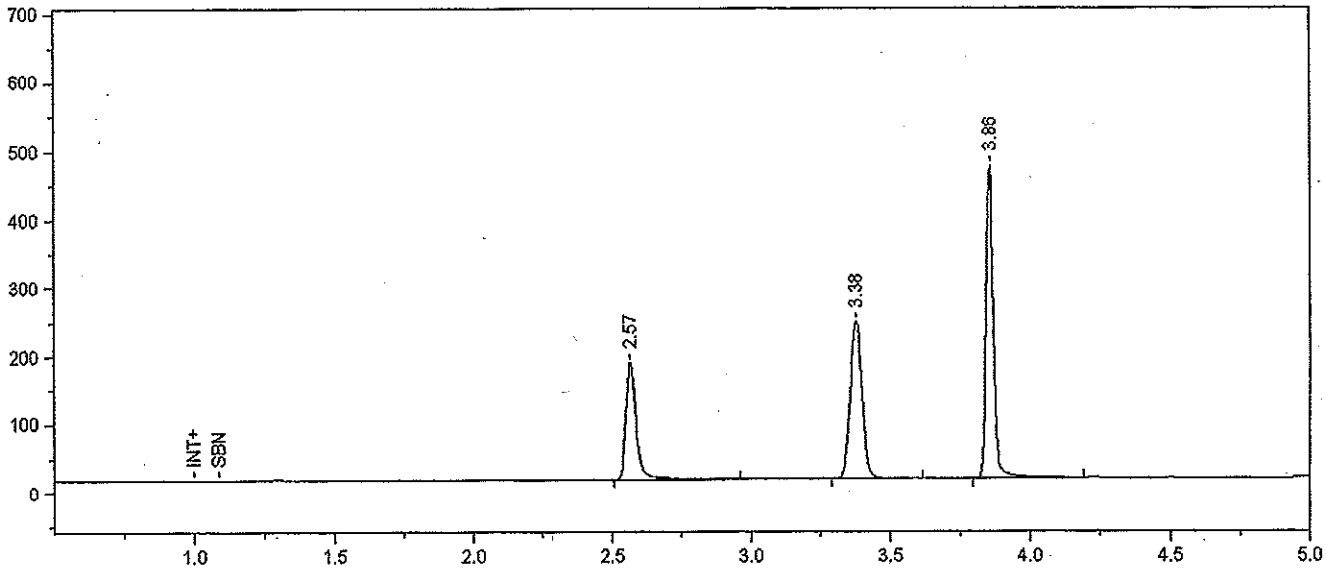
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.56	Ethanol	444764	0.0991	0.0809
2	3.38	t-Butanol	681305	1.0008	0.8169
3	3.85	n-Propanol	848158	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 2/18/2012
Today's Time = 9:05:25 AM
Bound File Name = Sim021712.0015.RAW
Sample Name = 0.08 Sim Sol - ALB
Date Taken = 2/17/2012 1:12:19 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimSolution.cal
Calibration Version = 237

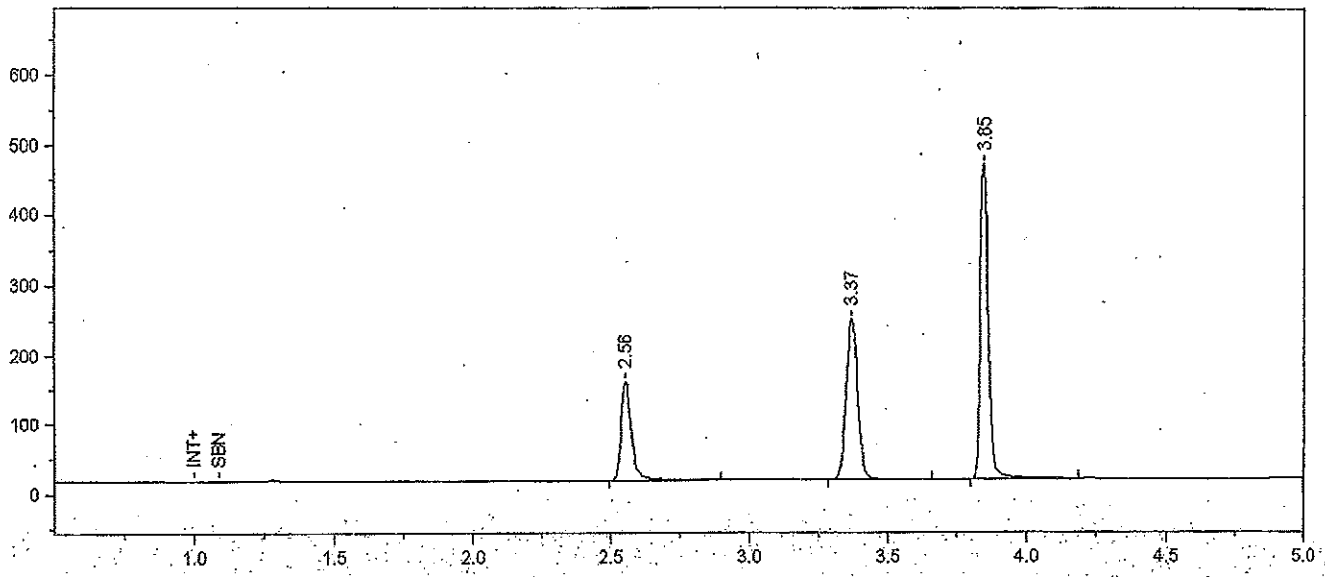
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.56	Ethanol	451815	0.0984	0.0803
2	3.38	t-Butanol	690020	0.9905	0.8084
3	3.86	n-Propanol	867964	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 2/18/2012
Today's Time = 9:05:29 AM
Bound File Name = Sim021712.0016.RAW
Sample Name = 0.08 Sim Sol - ALB
Date Taken = 2/17/2012 1:27:20 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimSolution.cal
Calibration Version = 237

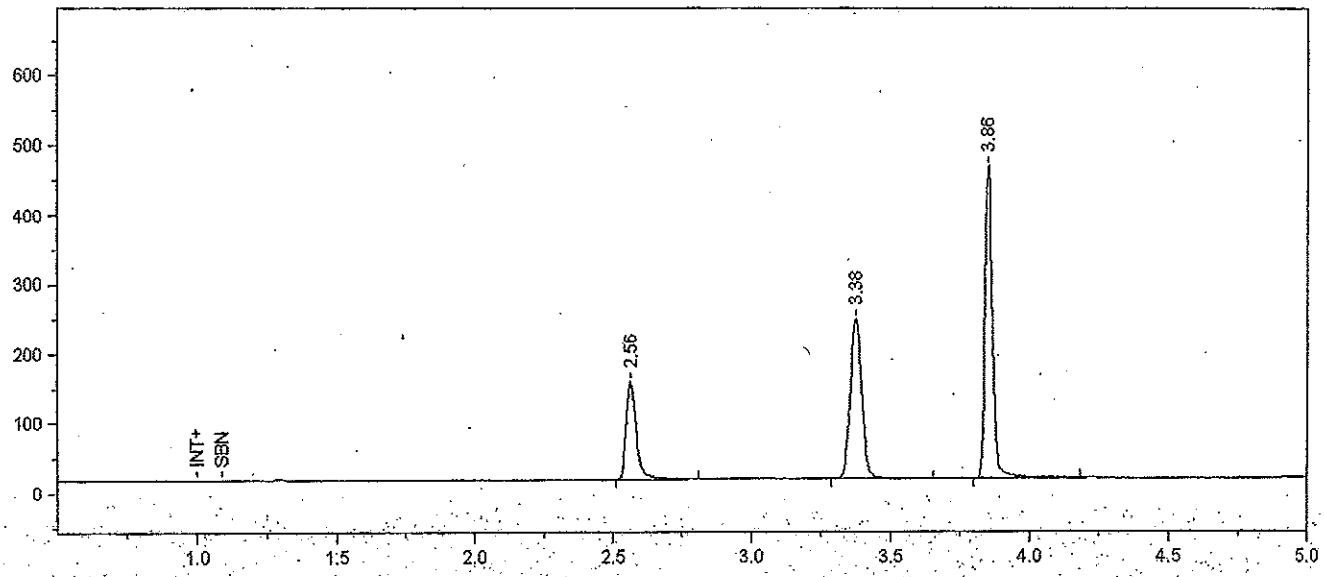
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.57	Ethanol	447489	0.0994	0.0811
2	3.38	t-Butanol	679502	0.9951	0.8122
3	3.86	n-Propanol	850804	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 2/18/2012 Today's Time = 9:05:35 AM
Bound File Name = Sim021712.0017.RAW
Sample Name = CCS B
Date Taken = 2/17/2012 1:42:21 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimSolution.cal Calibration Version = 237

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.56	Ethanol	371856	0.0826	0.0674
2	3.37	t-Butanol	678016	0.9934	0.8108
3	3.85	n-Propanol	850407	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 2/18/2012 Today's Time = 9:05:40 AM
Bound File Name = Sim021712.0018.RAW
Sample Name = CCS B
Date Taken = 2/17/2012 1:57:21 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimSolution.cal Calibration Version = 237

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.56	Ethanol	364553	0.0813	0.0663
2	3.38	t-Butanol	675797	0.9933	0.8107
3	3.86	n-Propanol	847676	1.0000	0.8162

File Name: C:\Methods\5890 Blood Methods\SimSolution.cal
Version: 242

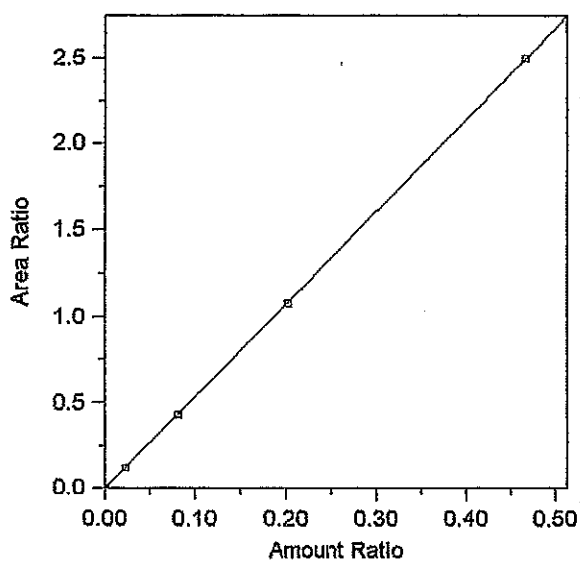
Creator:
Description:
Reason for change:

Internal standard calibration
No injection volume correction
No sample weight correction
Area reject threshold: 15000
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:	2.556 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

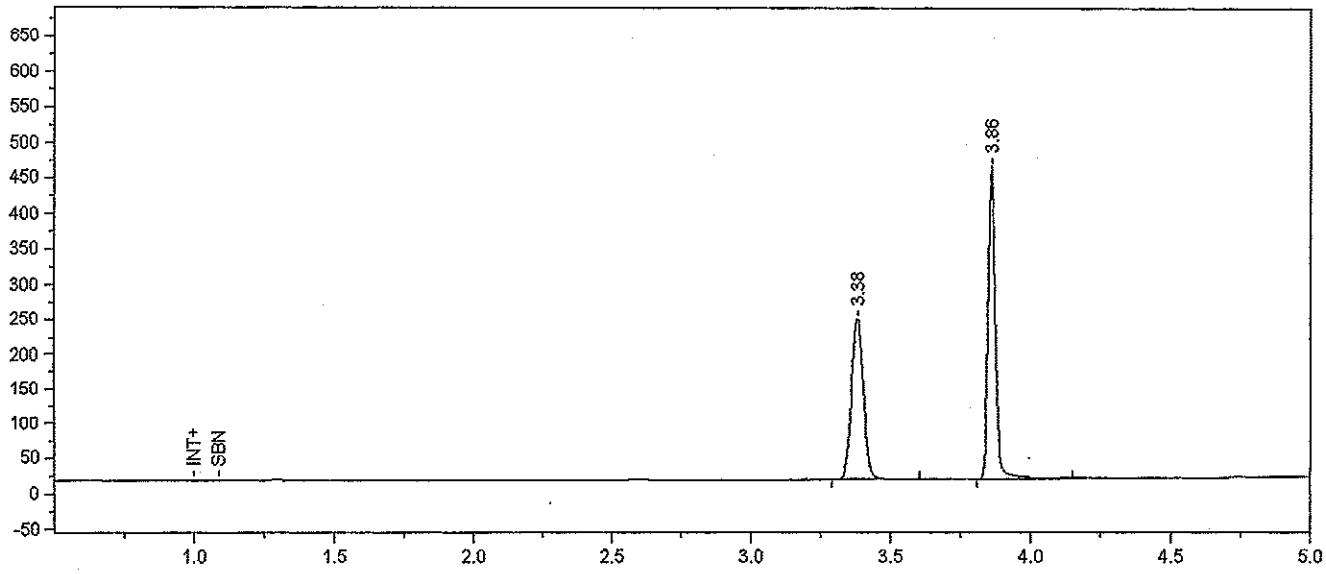
Single peak quantification by area

Y = 5.353333 X + 0

Linear fit with equal weighting, forced to origin

Coefficient of determination:	0.9999781
Average error:	0.611%
Average CF:	4.269505
RSD:	55.918%

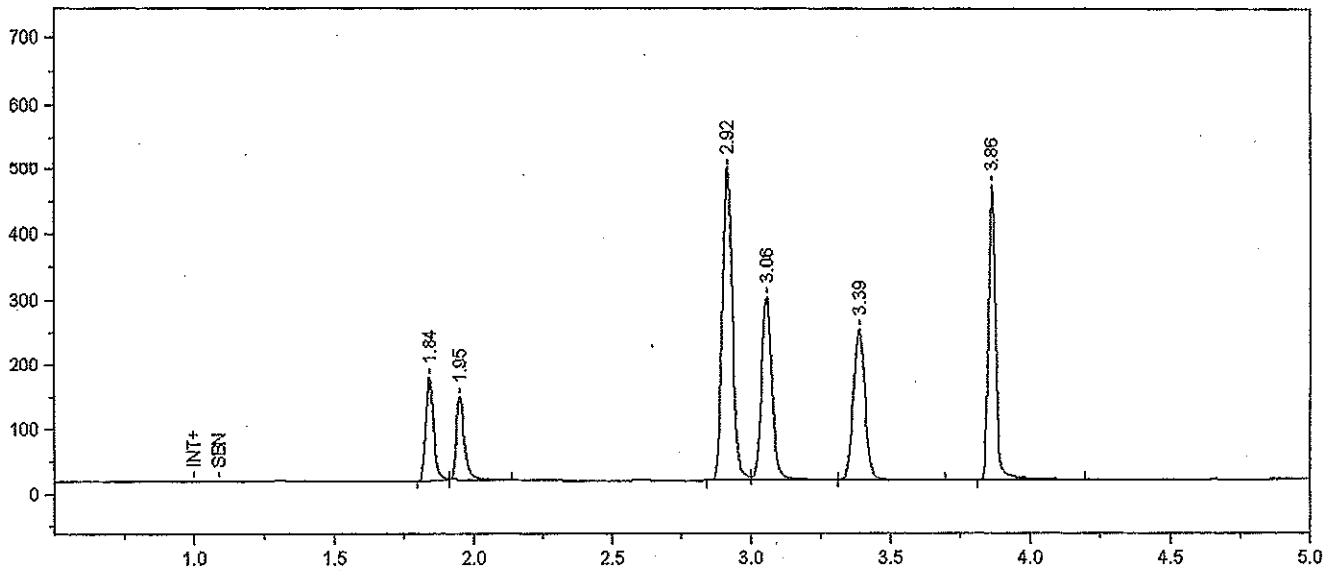
Level	Amount	Response	Cal Factor	Error, %	Amount Ratio	Response Ratio	Source	Date and time
1	0	(0)	--	0.000	0	0	Manual	4/11/2005 10:03:40 AM
2	0.0223	102549.5	4598633	0.715	0.0223	0.120233	C:\Blood Alc\Sim021812\Sim021812.0003.BND	2/18/2012 11:13:14 AM
3	0.0814	354792.7	4358633	-2.142	0.0814	0.4264271	C:\Blood Alc\Sim021812\Sim021812.0004.BND	2/18/2012 11:28:13 AM
4	0.2016	912466.7	4526125	0.165	0.2016	1.08101	C:\Blood Alc\Sim021812\Sim021812.0005.BND	2/18/2012 11:43:19 AM
5	0.466	2085743	4475844	0.033	0.466	2.495474	C:\Blood Alc\Sim021812\Sim021812.0006.BND	2/18/2012 11:58:20 AM



Format File Name = simsoln-JFH.met.FMT

Today's Date = 2/18/2012
Today's Time = 12:18:00 PM
Bound File Name = Sim021812.0001.RAW
Sample Name = Blank
Date Taken = 2/18/2012 10:43:01 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimSolution.cal
Calibration Version = 242

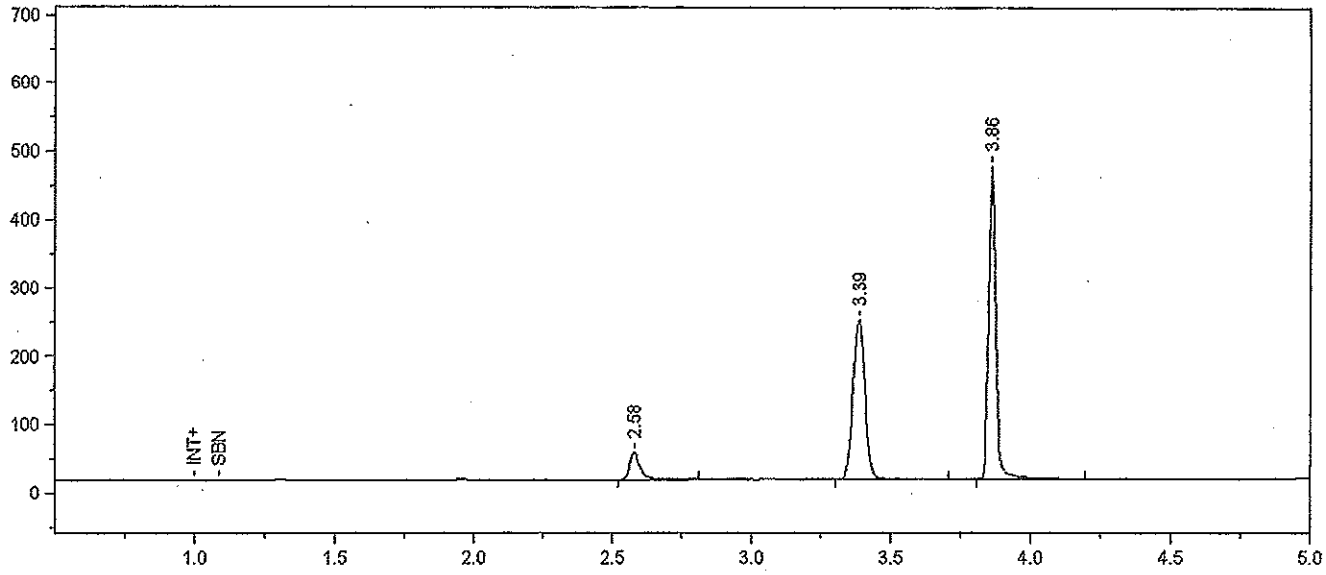
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	3.38	t-Butanol	675787	1.0023	0.8181
2	3.86	n-Propanol	837331	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 2/18/2012 Today's Time = 12:18:04 PM
Bound File Name = Sim021812.0002.RAW
Sample Name = TMX
Date Taken = 2/18/2012 10:58:02 AM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimSolution.cal Calibration Version = 242

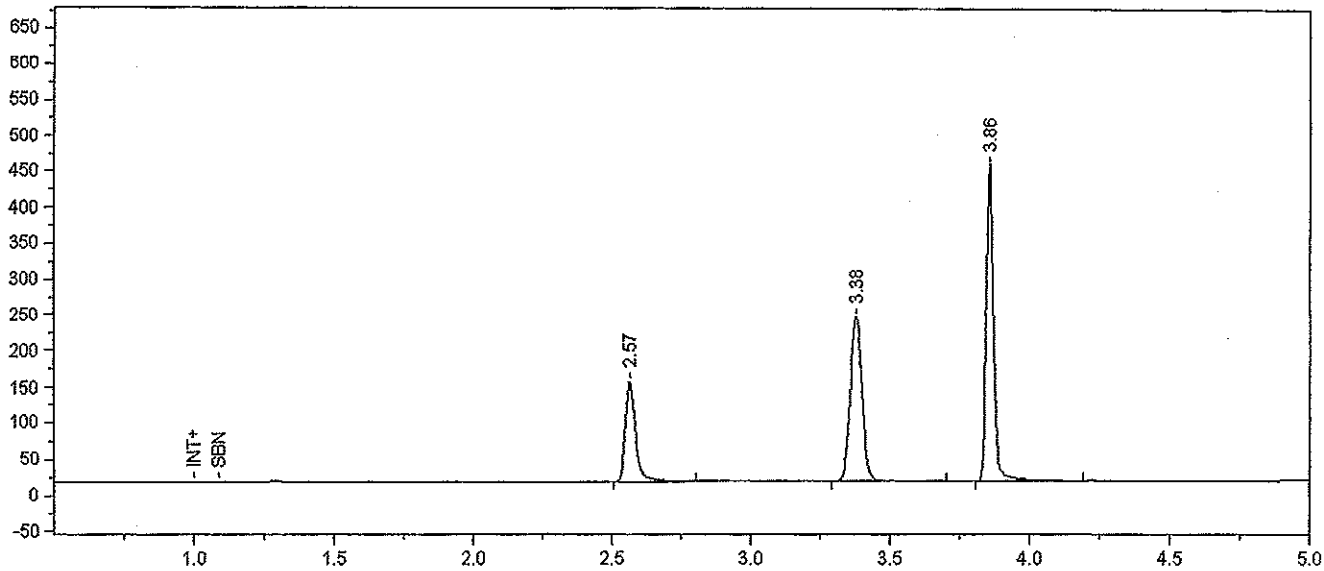
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	1.84	Acetaldehyde	316042	0.0510	0.0416
2	1.95	Methanol	261529	0.1280	0.1045
3	2.92	Acetone	1192323	0.0600	0.0490
4	3.06	Isopropanol	759276	0.0810	0.0661
5	3.39	t-Butanol	684384	1.0049	0.8202
6	3.86	n-Propanol	845808	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 2/18/2012
Today's Time = 12:18:10 PM
Bound File Name = Sim021812.0003.RAW
Sample Name = Std A
Date Taken = 2/18/2012 11:13:09 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimSolution.cal
Calibration Version = 242

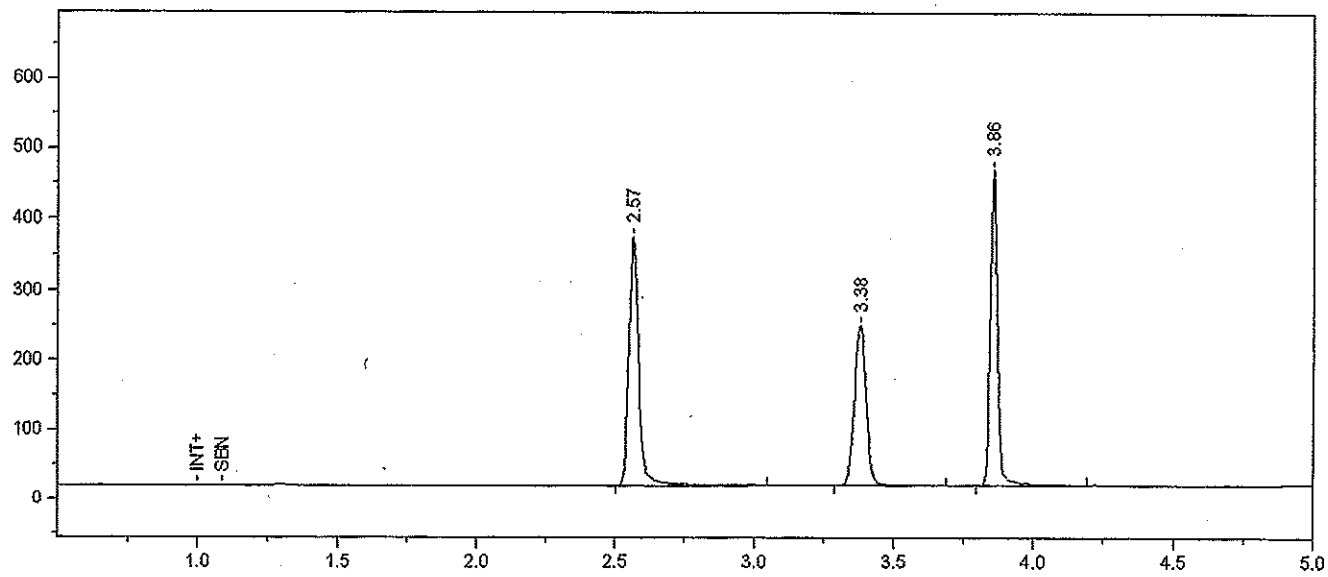
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.58	Ethanol	102550	0.0225	0.0183
2	3.39	t-Butanol	688447	1.0024	0.8182
3	3.86	n-Propanol	852923	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 2/18/2012 Today's Time = 12:18:15 PM
Bound File Name = Sim021812.0004.RAW
Sample Name = Std B
Date Taken = 2/18/2012 11:28:11 AM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimSolution.cal Calibration Version = 242

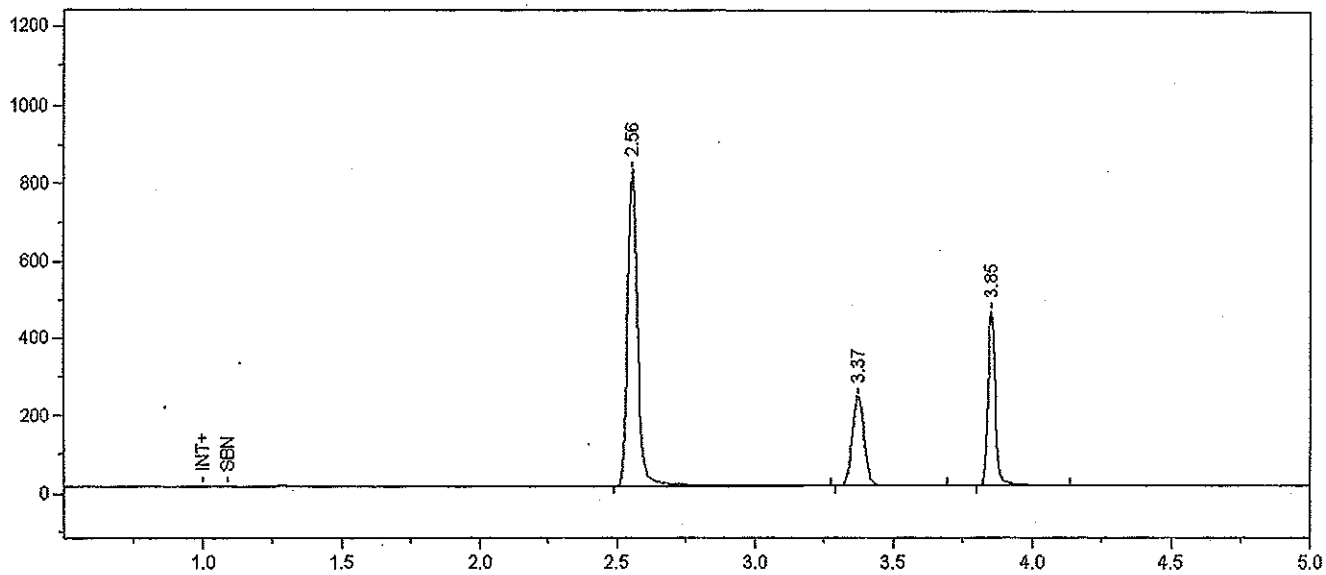
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.57	Ethanol	354793	0.0797	0.0650
2	3.38	t-Butanol	667696	0.9966	0.8135
3	3.86	n-Propanol	832013	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 2/18/2012
Today's Time = 12:18:20 PM
Bound File Name = Sim021812.0005.RAW
Sample Name = Std C
Date Taken = 2/18/2012 11:43:12 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimSolution.cal
Calibration Version = 242

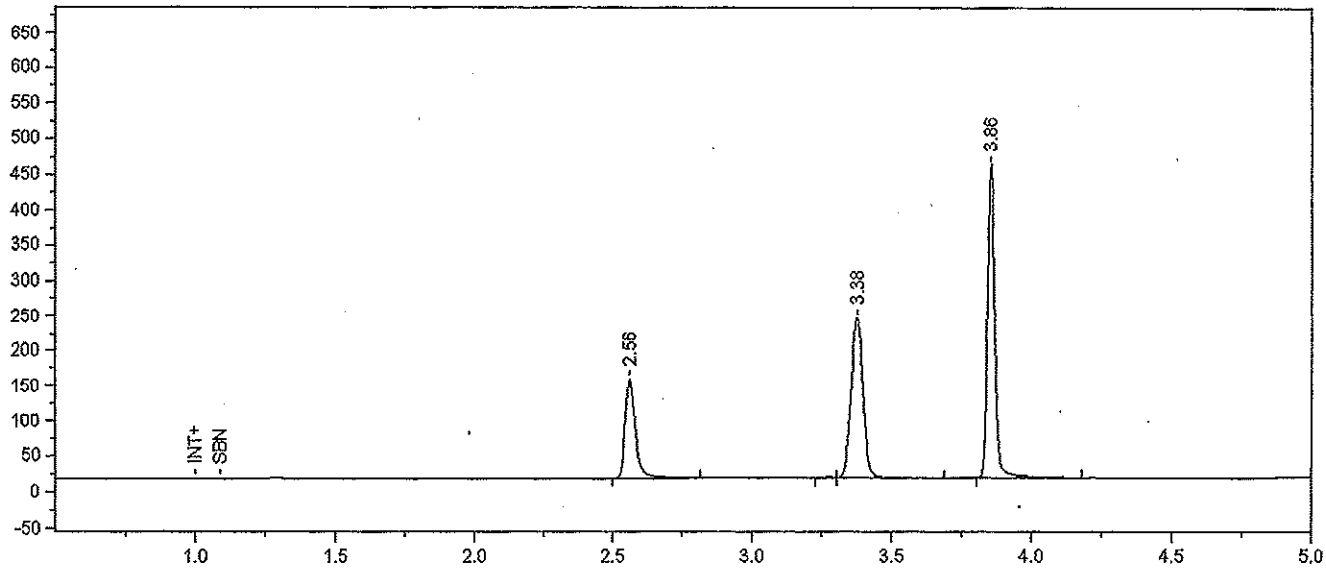
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.57	Ethanol	912467	0.2019	0.1648
2	3.38	t-Butanol	678754	0.9987	0.8151
3	3.86	n-Propanol	844088	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 2/18/2012
Today's Time = 12:18:25 PM
Bound File Name = Sim021812.0006.RAW
Sample Name = Std D
Date Taken = 2/18/2012 11:58:11 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimSolution.cal
Calibration Version = 242

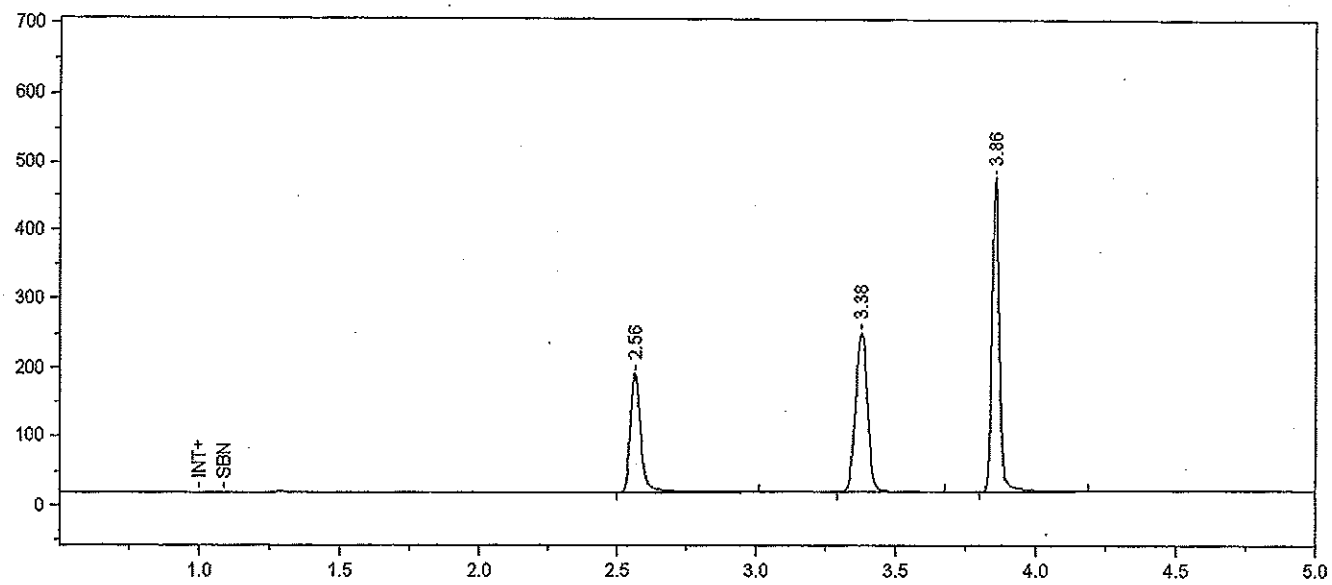
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.56	Ethanol	2085743	0.4662	0.3805
2	3.37	t-Butanol	671249	0.9974	0.8141
3	3.85	n-Propanol	835810	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 2/18/2012 Today's Time = 12:18:30 PM
Bound File Name = Sim021812.0007.RAW
Sample Name = AQ QC
Date Taken = 2/18/2012 12:13:19 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimSolution.cal Calibration Version = 242

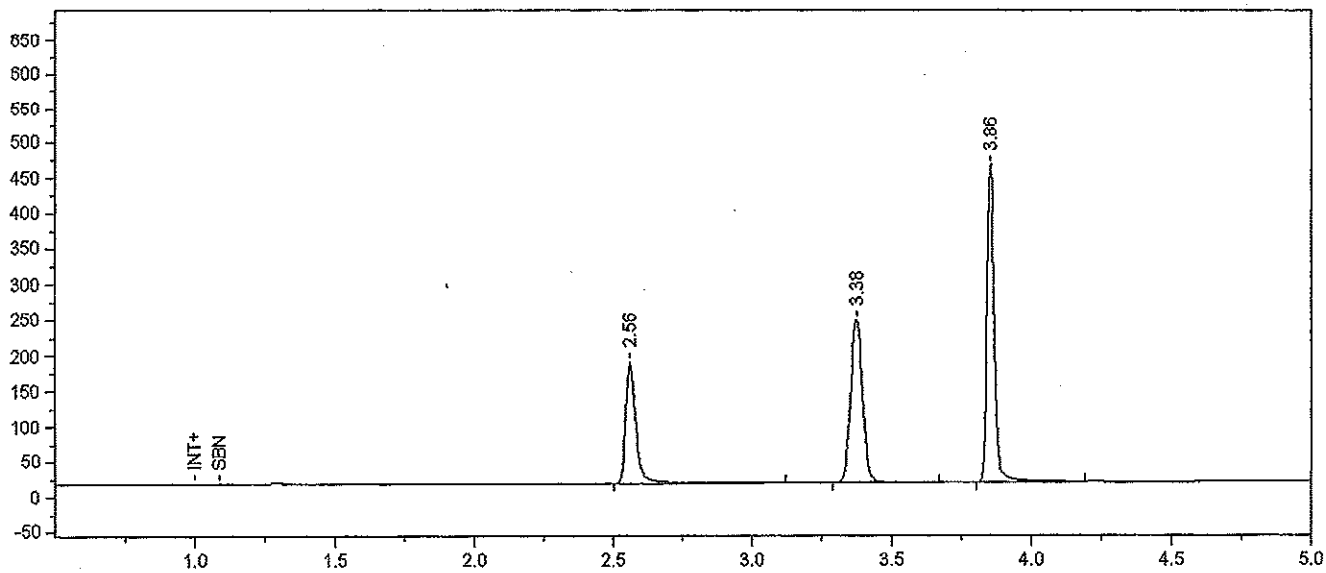
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.56	Ethanol	363496	0.0813	0.0664
3	3.38	t-Butanol	668345	0.9944	0.8116
4	3.86	n-Propanol	834722	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 2/18/2012 Today's Time = 1:00:01 PM
Bound File Name = Sim021812.0008.RAW
Sample Name = 0.08 Sim Sol - SRM
Date Taken = 2/18/2012 12:59:57 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimSolution.cal Calibration Version = 242

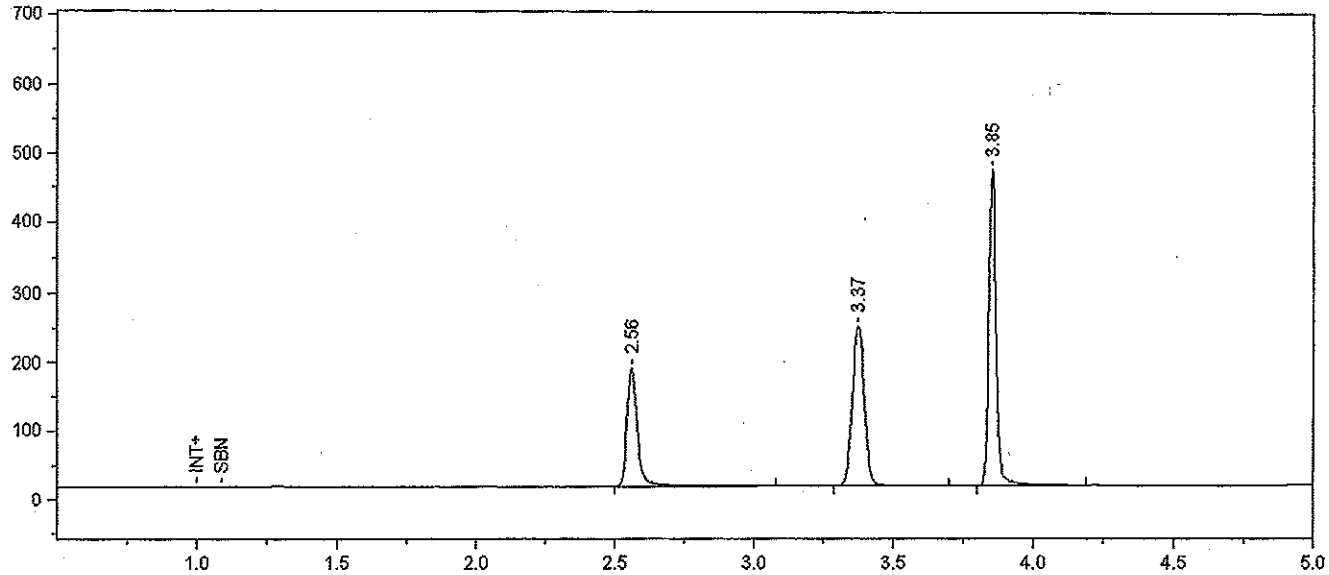
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.56	Ethanol	456481	0.1003	0.0819
2	3.38	t-Butanol	679569	0.9929	0.8104
3	3.86	n-Propanol	850035	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 2/18/2012
Today's Time = 1:14:52 PM
Bound File Name = Sim021812.0009.RAW
Sample Name = 0.08 Sim Sol - SRM
Date Taken = 2/18/2012 1:14:47 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimSolution.cal
Calibration Version = 242

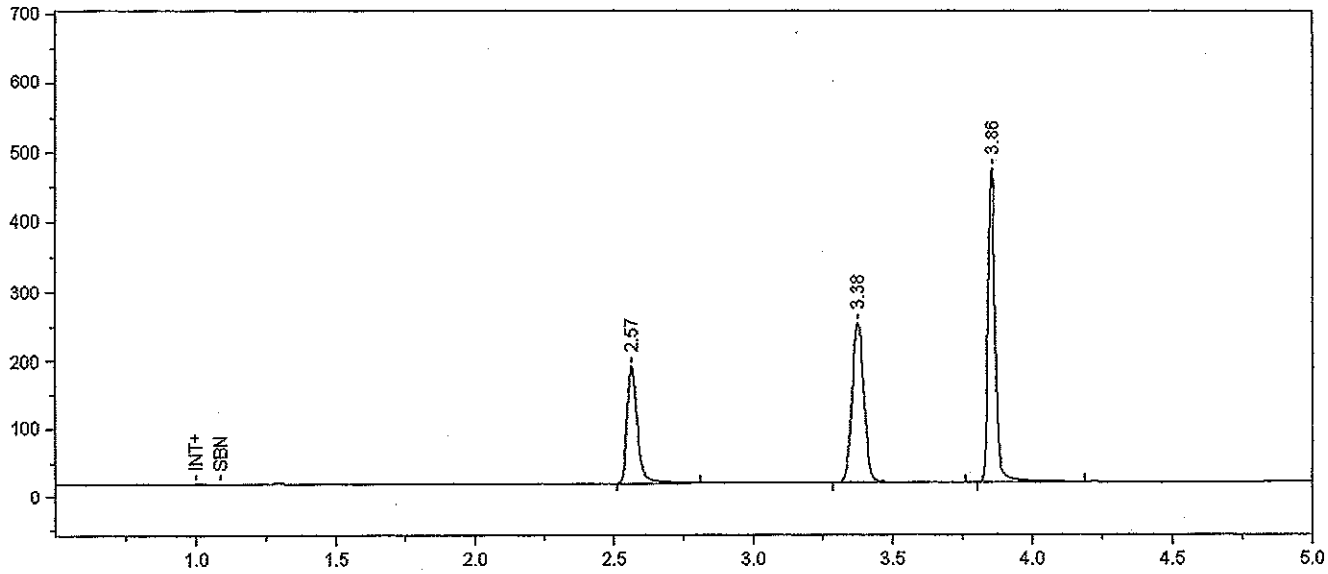
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.56	Ethanol	452459	0.1003	0.0819
2	3.38	t-Butanol	676062	0.9967	0.8135
3	3.86	n-Propanol	842358	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 2/18/2012 Today's Time = 1:29:51 PM
Bound File Name = Sim021812.0010.RAW
Sample Name = 0.08 Sim Sol - SRM
Date Taken = 2/18/2012 1:29:48 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimSolution.cal Calibration Version = 242

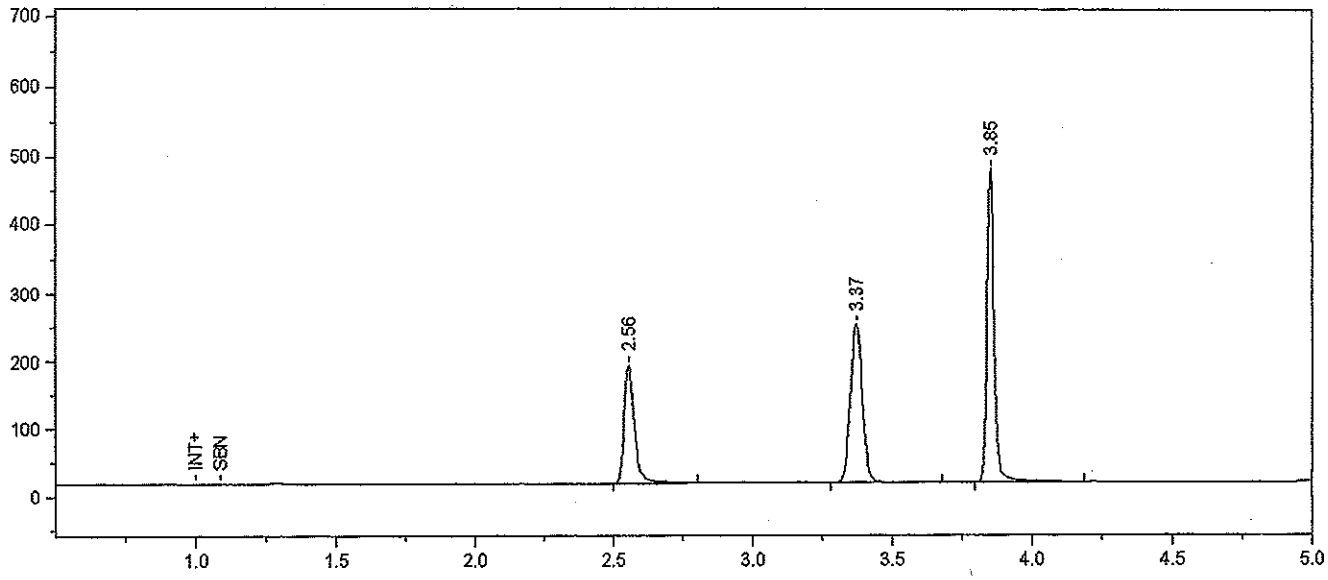
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.56	Ethanol	455574	0.0995	0.0812
2	3.37	t-Butanol	686397	0.9970	0.8137
3	3.85	n-Propanol	855031	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 2/18/2012
Today's Time = 1:44:55 PM
Bound File Name = Sim021812.0011.RAW
Sample Name = 0.08 Sim Sol - SRM
Date Taken = 2/18/2012 1:44:49 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimSolution.cal
Calibration Version = 242

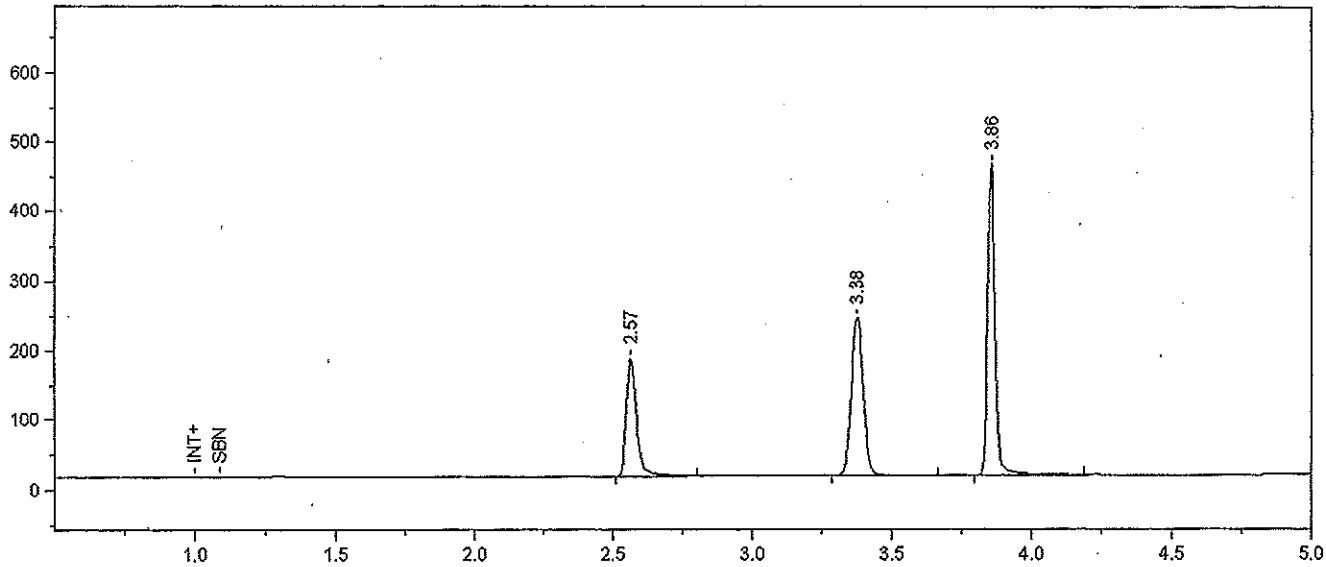
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.57	Ethanol	444463	0.0974	0.0795
2	3.38	t-Butanol	686107	1.0000	0.8162
3	3.86	n-Propanol	852078	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 2/18/2012
Today's Time = 1:59:54 PM
Bound File Name = Sim021812.0012.RAW
Sample Name = 0.08 Sim Sol - SRM
Date Taken = 2/18/2012 1:59:50 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimSolution.cal
Calibration Version = 242

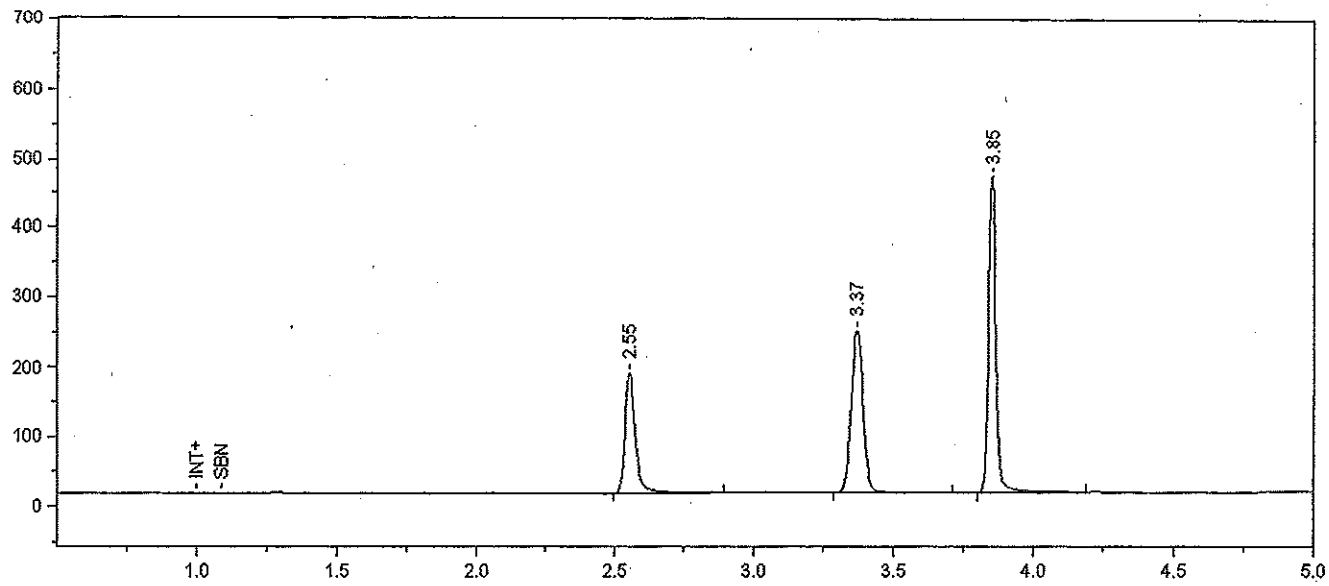
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.56	Ethanol	446983	0.0976	0.0796
2	3.37	t-Butanol	686620	0.9964	0.8133
3	3.85	n-Propanol	855806	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 2/18/2012
Today's Time = 2:14:53 PM
Bound File Name = Sim021812.0013.RAW
Sample Name = 0.08 Sim Sol - SRM
Date Taken = 2/18/2012 2:14:49 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimSolution.cal
Calibration Version = 242

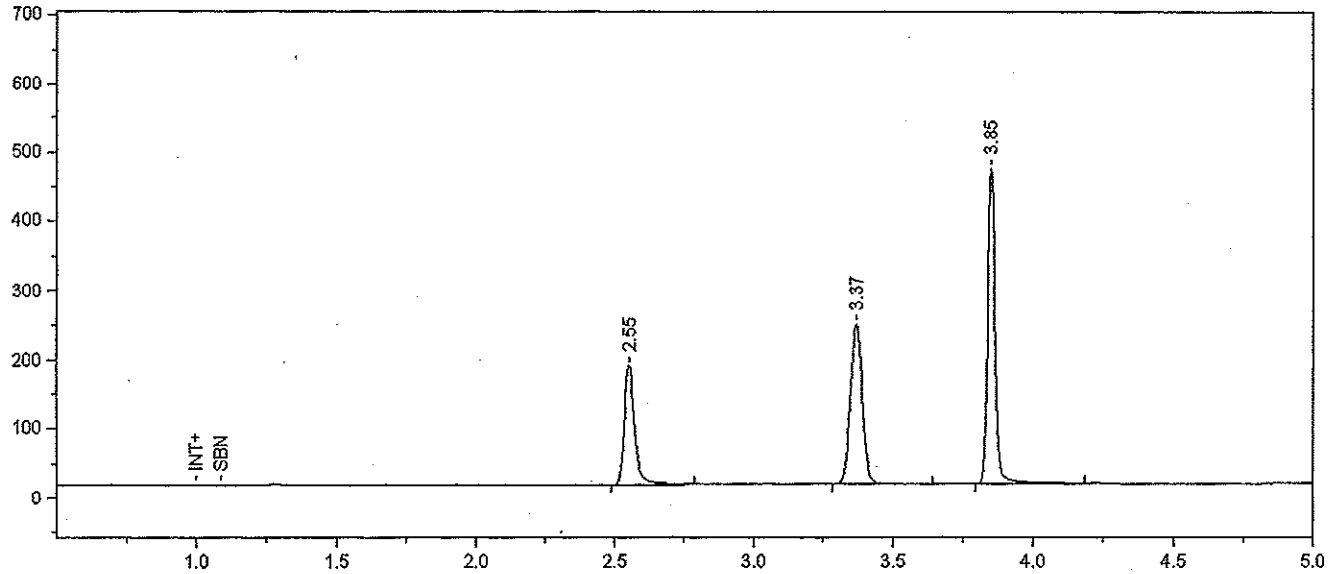
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.57	Ethanol	436863	0.0977	0.0797
2	3.38	t-Butanol	670554	0.9967	0.8135
3	3.86	n-Propanol	835508	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 2/18/2012 Today's Time = 2:30:01 PM
Bound File Name = Sim021812.0014.RAW
Sample Name = 0.08 Sim Sol - SRM
Date Taken = 2/18/2012 2:29:56 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimSolution.cal Calibration Version = 242

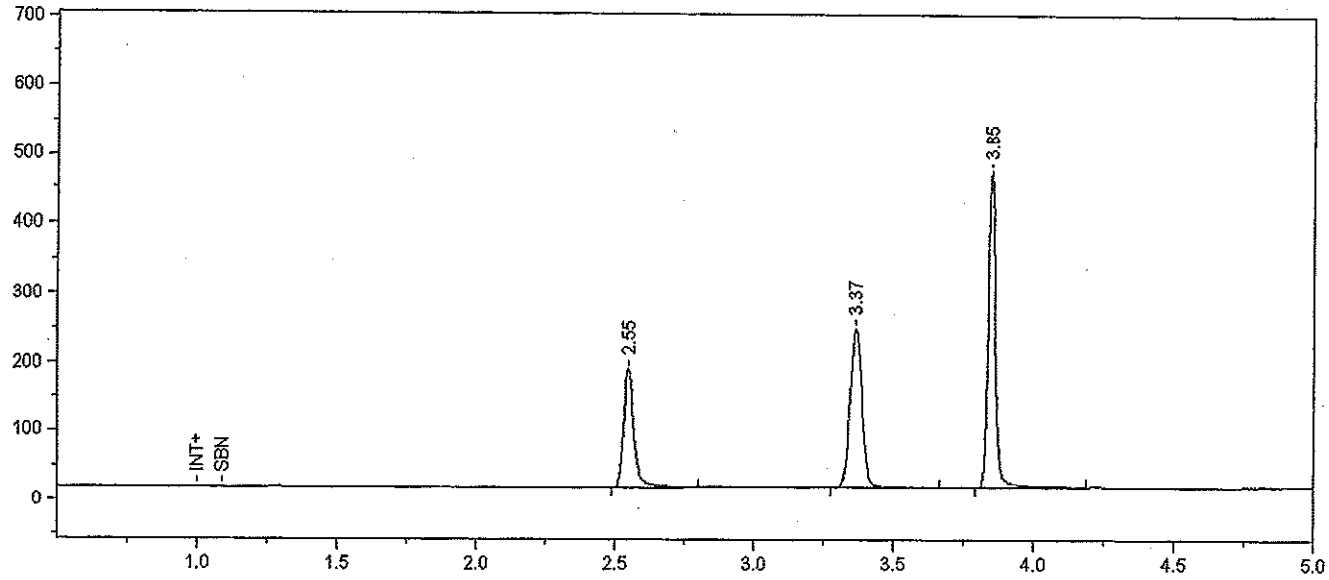
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.55	Ethanol	453672	0.0987	0.0806
2	3.37	t-Butanol	689703	0.9976	0.8142
3	3.85	n-Propanol	858638	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 2/18/2012 Today's Time = 2:45:04 PM
Bound File Name = Sim021812.0015.RAW
Sample Name = 0.08 Sim Sol - KLK
Date Taken = 2/18/2012 2:44:57 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimSolution.cal Calibration Version = 242

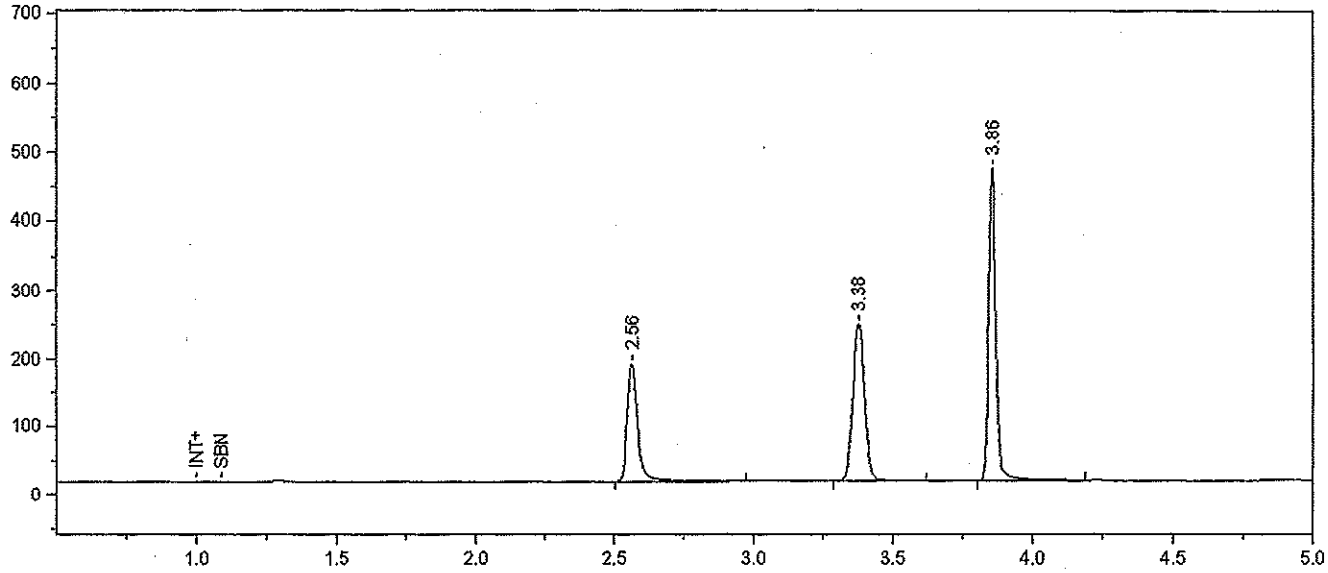
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.55	Ethanol	447503	0.0975	0.0796
2	3.37	t-Butanol	684606	0.9917	0.8094
3	3.85	n-Propanol	857321	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 2/18/2012
Today's Time = 2:59:59 PM
Bound File Name = Sim021812.0016.RAW
Sample Name = 0.08 Sim Sol - KLK
Date Taken = 2/18/2012 2:59:52 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimSolution.cal
Calibration Version = 242

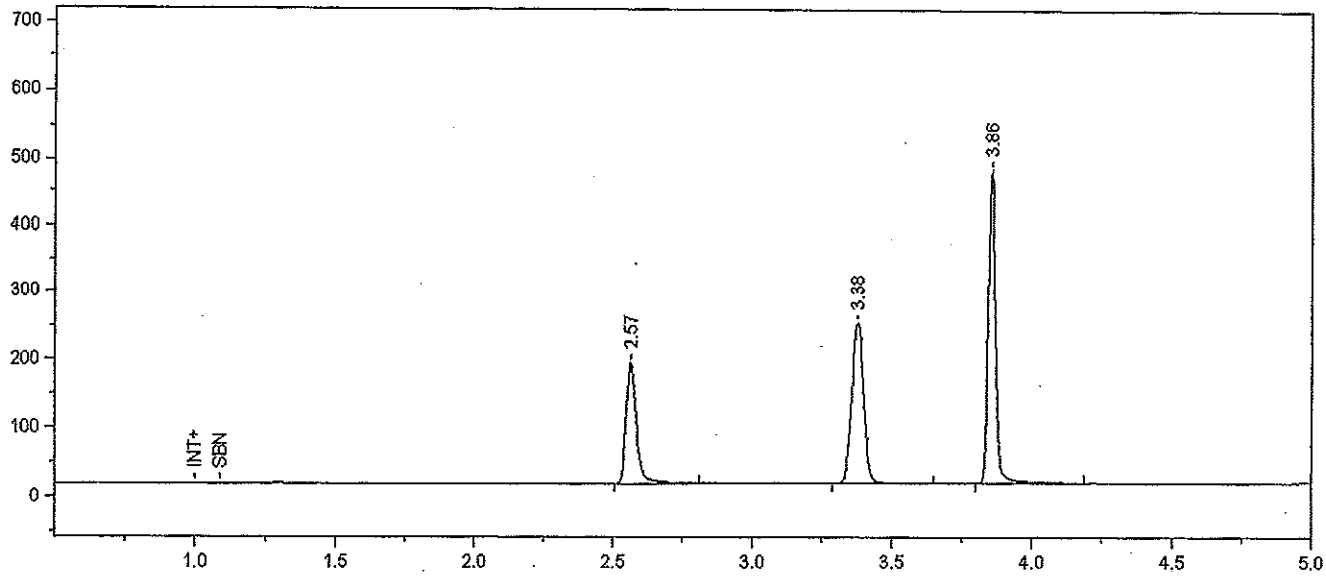
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.55	Ethanol	448735	0.0976	0.0796
2	3.37	t-Butanol	687216	0.9936	0.8109
3	3.85	n-Propanol	858985	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 2/18/2012 Today's Time = 3:14:59 PM
Bound File Name = Sim021812.0017.RAW
Sample Name = 0.08 Sim Sol - KLK
Date Taken = 2/18/2012 3:14:54 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimSolution.cal Calibration Version = 242

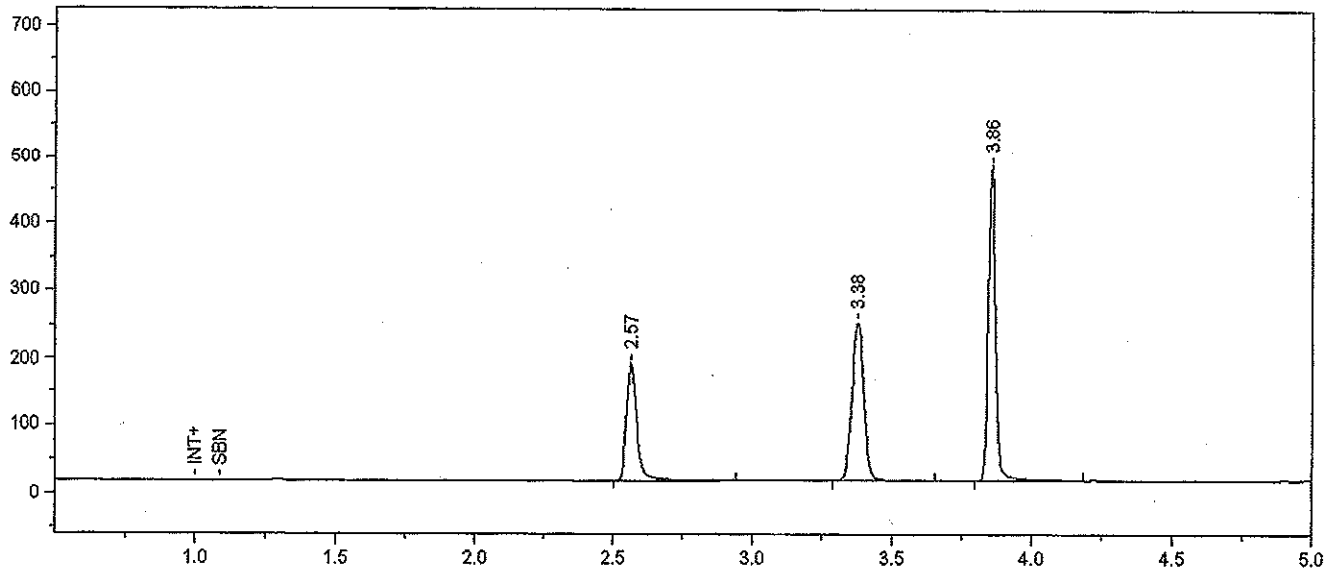
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.56	Ethanol	455440	0.0996	0.0813
2	3.38	t-Butanol	678646	0.9868	0.8055
3	3.86	n-Propanol	854051	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 2/18/2012
Today's Time = 3:29:56 PM
Bound File Name = Sim021812.0018.RAW
Sample Name = 0.08 Sim Sol - KLK
Date Taken = 2/18/2012 3:29:55 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimSolution.cal
Calibration Version = 242

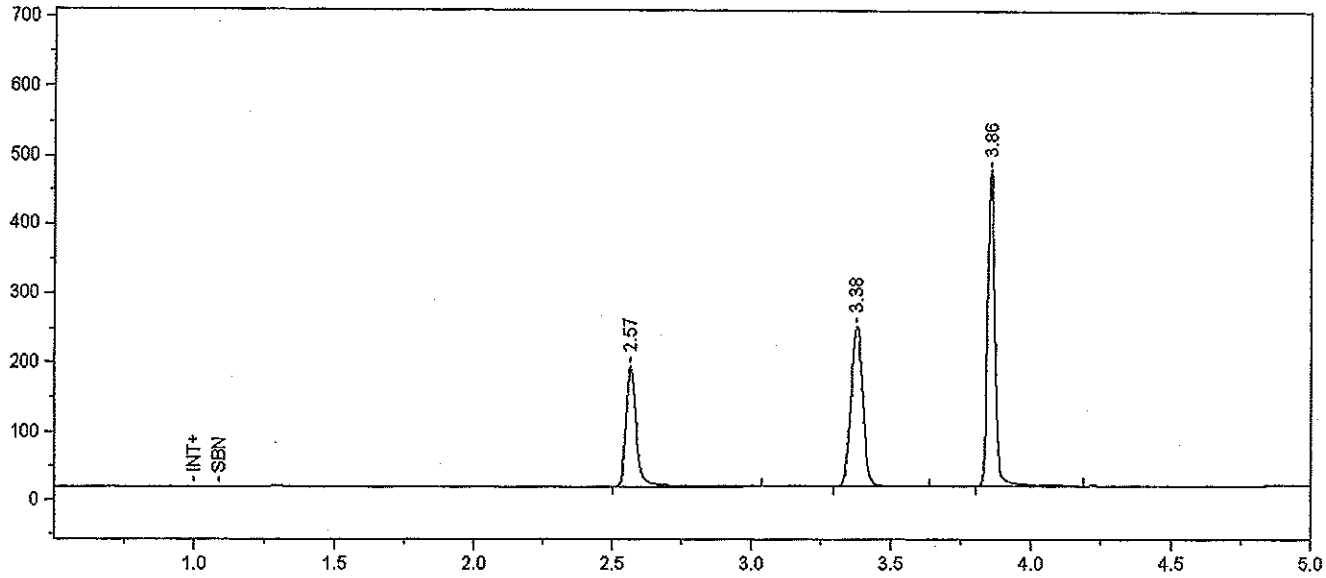
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.57	Ethanol	451643	0.0973	0.0794
2	3.38	t-Butanol	693452	0.9931	0.8106
3	3.86	n-Propanol	867149	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 2/18/2012
Today's Time = 3:45:05 PM
Bound File Name = Sim021812.0019.RAW
Sample Name = 0.08 Sim Sol - KLK
Date Taken = 2/18/2012 3:44:56 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimSolution.cal
Calibration Version = 242

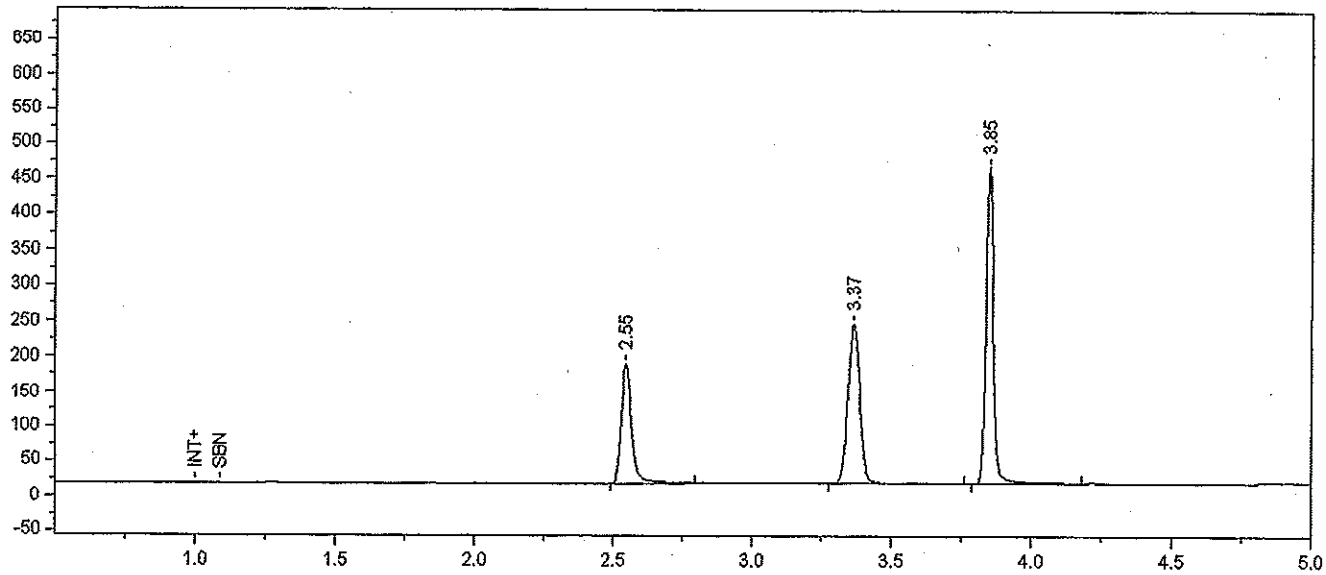
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.57	Ethanol	456186	0.0983	0.0803
2	3.38	t-Butanol	689554	0.9882	0.8066
3	3.86	n-Propanol	866609	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 2/18/2012
Today's Time = 4:00:05 PM
Bound File Name = Sim021812.0020.RAW
Sample Name = 0.08 Sim Sol - KLK
Date Taken = 2/18/2012 3:59:59 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimSolution.cal
Calibration Version = 242

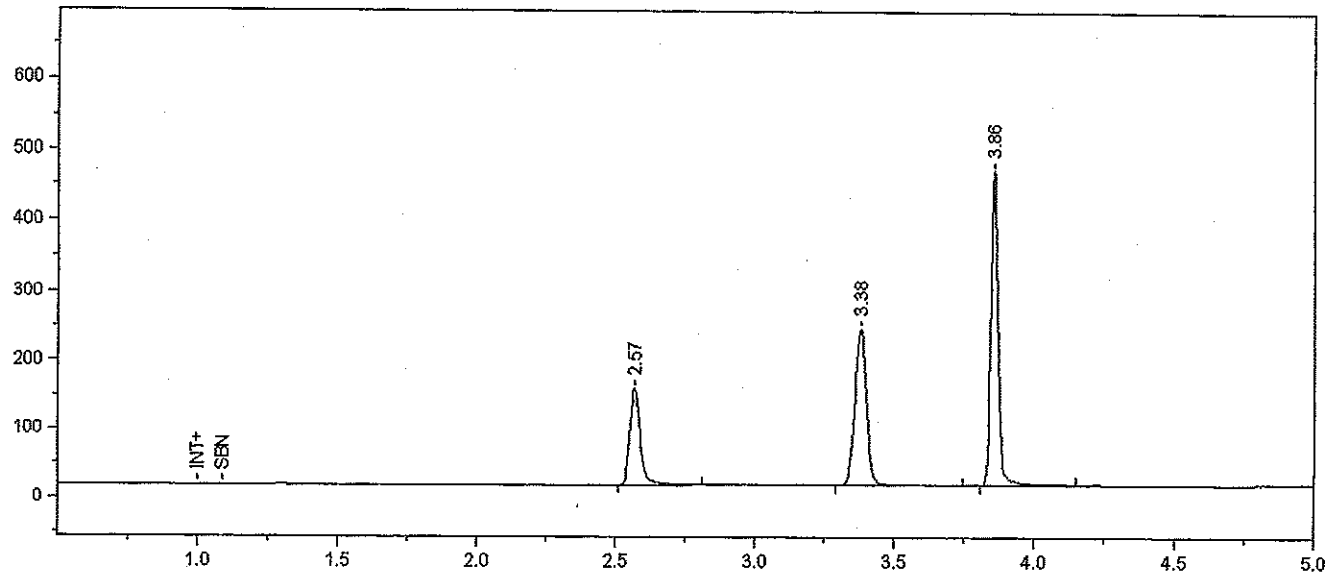
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.57	Ethanol	459694	0.0997	0.0814
2	3.38	t-Butanol	687328	0.9910	0.8088
3	3.86	n-Propanol	861368	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 2/18/2012 Today's Time = 4:15:04 PM
Bound File Name = Sim021812.0021.RAW
Sample Name = 0.08 Sim Sol - KLK
Date Taken = 2/18/2012 4:15:00 PM VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimSolution.cal Calibration Version = 242

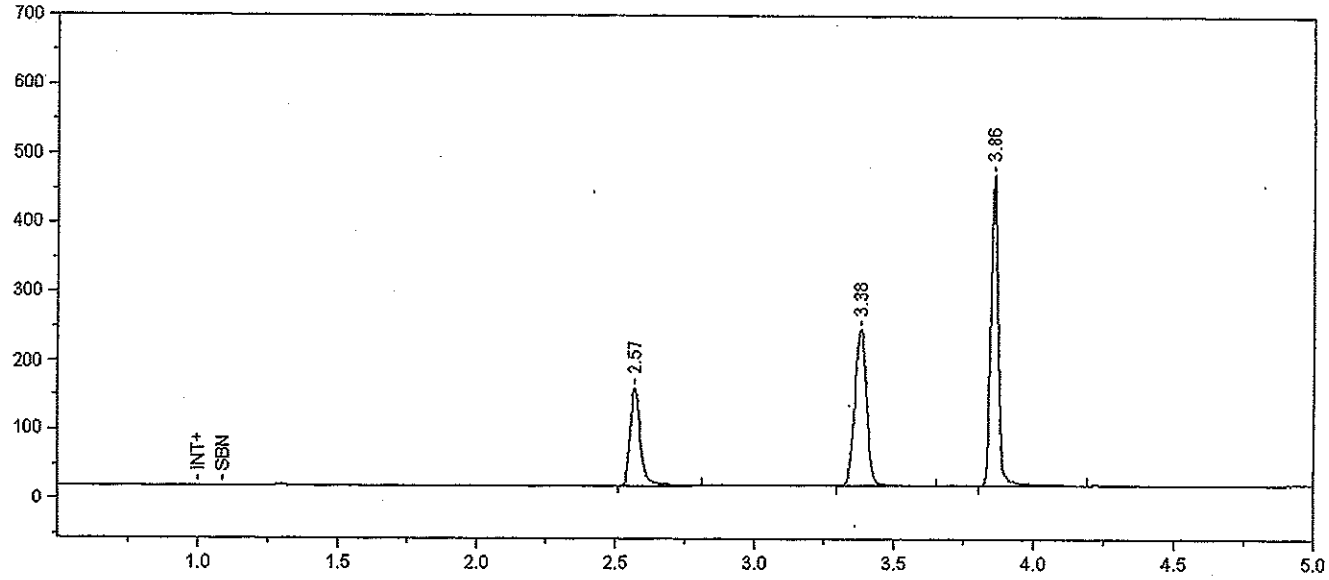
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.55	Ethanol	442209	0.0981	0.0801
2	3.37	t-Butanol	670920	0.9894	0.8076
3	3.85	n-Propanol	842139	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 2/18/2012
Today's Time = 4:30:03 PM
Bound File Name = Sim021812.0022.RAW
Sample Name = CCS B
Date Taken = 2/18/2012 4:30:01 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimSolution.cal
Calibration Version = 242

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.57	Ethanol	366107	0.0815	0.0665
2	3.38	t-Butanol	669714	0.9910	0.8089
3	3.86	n-Propanol	839238	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 2/18/2012
Today's Time = 4:45:09 PM
Bound File Name = Sim021812.0023.RAW
Sample Name = CCS B
Date Taken = 2/18/2012 4:45:03 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = SimSolution.cal
Calibration Version = 242

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.57	Ethanol	365770	0.0810	0.0661
2	3.38	t-Butanol	671022	0.9883	0.8067
3	3.86	n-Propanol	843200	1.0000	0.8162