Vermont Department of Health Laboratory
Toxicology 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 External Standard Solution

On 4/23/2010, 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 10-27-100 and an expiration date of 4/23/2011.

On 5/4/2010 and 5/12/2010, the solution was analyzed by Darcy Richardson and Amanda Bolduc. Analysis of the solution was performed using headspace gas chromatography. The instrument was calibrated on the day analyses were begun. 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 0.102 g/210L simulated breath ethanol concentration and approved for use as a DataMaster External Standard solution.

Dated at Burlington, Vermont on Thursday, May 13, 2010.

Darcy Richardson

Alc 902 rev 0 (03/08)

5/13/10 ALB

Lot # **10-27-100**

Prepared by ALB
Prepared on 4/23/2010
Expires on 4/23/2011

Analyzed on 5/4/10 & 5/12/10
analyzed by DMR and ALB

0.1083	0.1106	
0.1015	0.1033	
0.0998	0.1031	
0.1003	0.1039	
0.1014	0.1033	
0.1009	0.1045	
0.0922	0.0949	
0.1022	0.1050	
0.1014	0.1028	
0.1013	0.1031	
0.1003	0.1023	
0.1009	0.1052	
0.1006	0.1021	
0.0998	0.1028	
0.1008	**0.1034**	mean
0.003237	0.003224	std dev

Target	**0.102**
Std Dev	0.00323

Reviewed
5/13/10
AEB

File Name: C:\Methods\BloodAlcohol4.cal
Version: 268

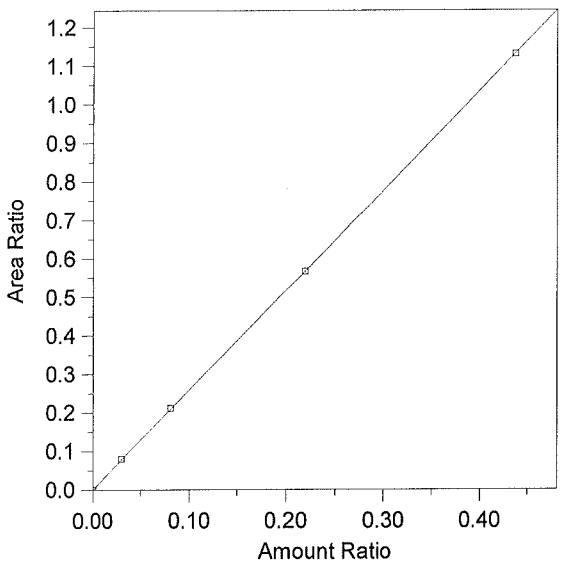
Creator:
Description:
Reason for change:

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

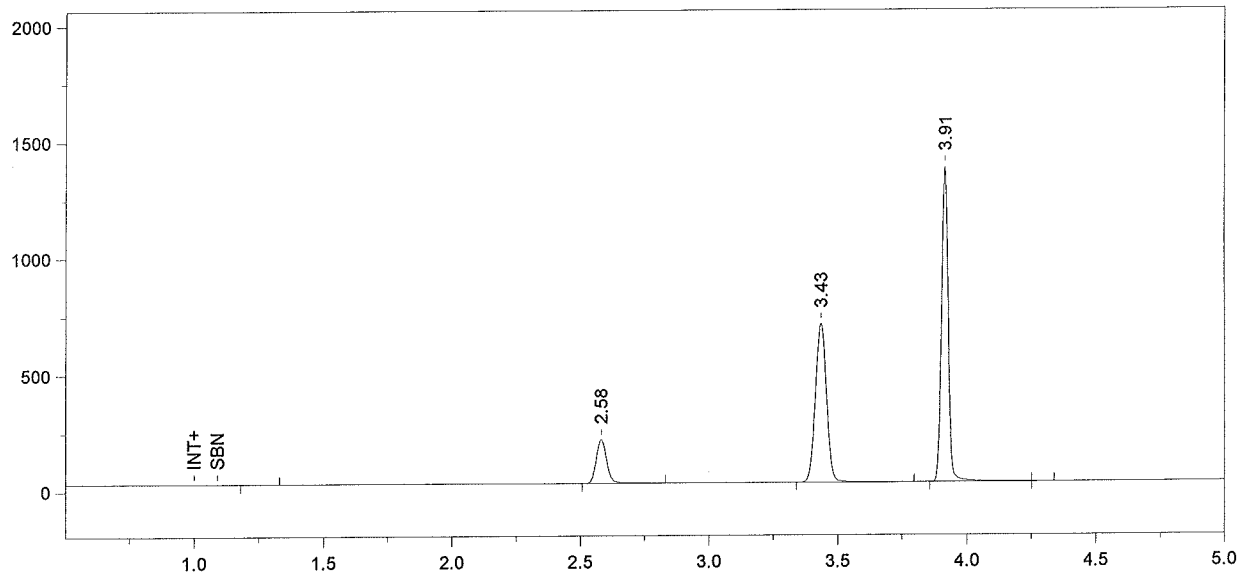
High alarm limit: 0
Low alarm limit: 0
Component constant: 0

Single peak quantification by area

$Y = 2.587945 X + 0$

Linear fit with equal weighting, forced to origin
Coefficient of determination: 0.9999886
Average error: 0.806%
Average CF: 2.090462
RSD: 55.921%

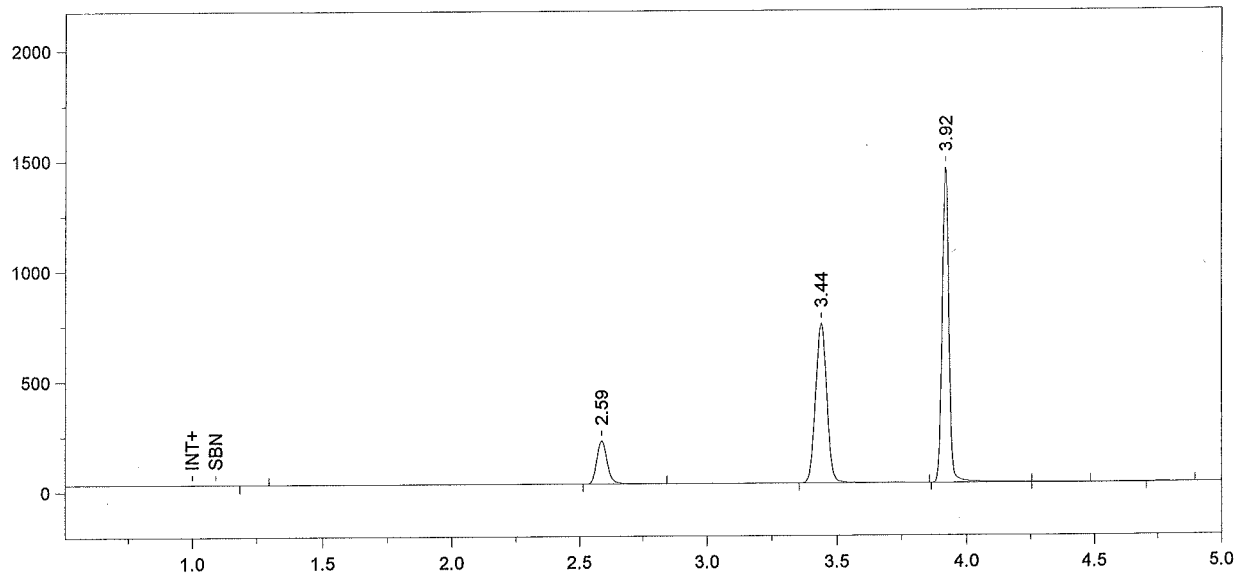
Level	Amount	Response	Cal Factor	Error, %	Amount Ratio	Response Ratio	Source	Date and time
1	0	(0)	--	0.000	0	0	Manual	4/11/2005 10:03:40 AM
2	0.03	240524.1	8017470	2.953	0.03	0.0799313	C:\Alcohol Data\Alc042710\Alc042710.0003.BND	4/27/2010 12:16:35 PM
3	0.081	629101.4	7766684	0.893	0.081	0.2114951	C:\Alcohol Data\Alc042710\Alc042710.0004.BND	4/27/2010 12:31:34 PM
4	0.219	1688405	7709612	0.111	0.219	0.5673875	C:\Alcohol Data\Alc042710\Alc042710.0005.BND	4/27/2010 12:39:35 PM
5	0.437	3406374	7794906	-0.072	0.437	1.130113	C:\Alcohol Data\Alc042710\Alc042710.0006.BND	4/27/2010 1:00:43 PM



Format File Name = Alcohol4-JFH.met.FMT

Today's Date = 5/4/2010
Today's Time = 5:34:43 PM
Bound File Name = Sim050410.0001.RAW
Sample Name = CCS
Date Taken = 5/4/2010 5:34:38 PM
VDH Headspace Alcohol
Method file = BloodAlcohol4.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 268

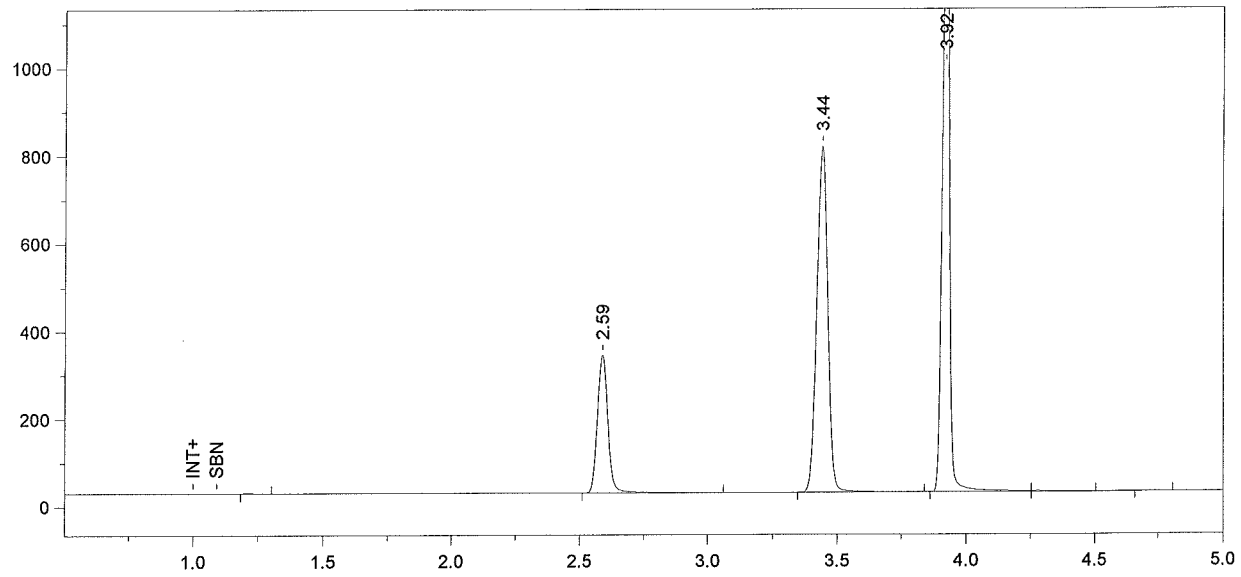
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.58	Ethanol	538933	0.0845
3	3.43	t-Butanol	2043674	0.9825
4	3.91	n-Propanol	2463401	1.0000



Format File Name = Alcohol4-JFH.met.FMT

Today's Date = 5/4/2010
Today's Time = 5:49:46 PM
Bound File Name = Sim050410.0002.RAW
Sample Name = CCS
Date Taken = 5/4/2010 5:49:40 PM
VDH Headspace Alcohol
Method file = BloodAlcohol4.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 268

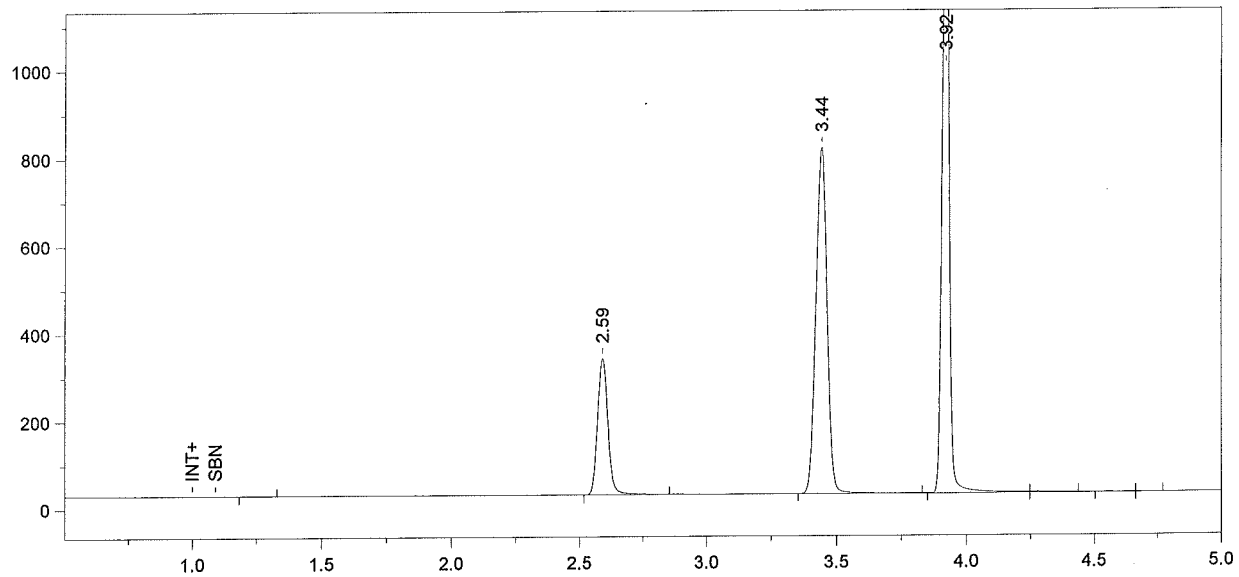
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.59	Ethanol	560201	0.0836
3	3.44	t-Butanol	2160072	0.9885
4	3.92	n-Propanol	2587911	1.0000



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/4/2010
Today's Time = 6:04:45 PM
Bound File Name = Sim050410.0003.RAW
Sample Name = 0.10 ALB
Date Taken = 5/4/2010 6:04:41 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 268

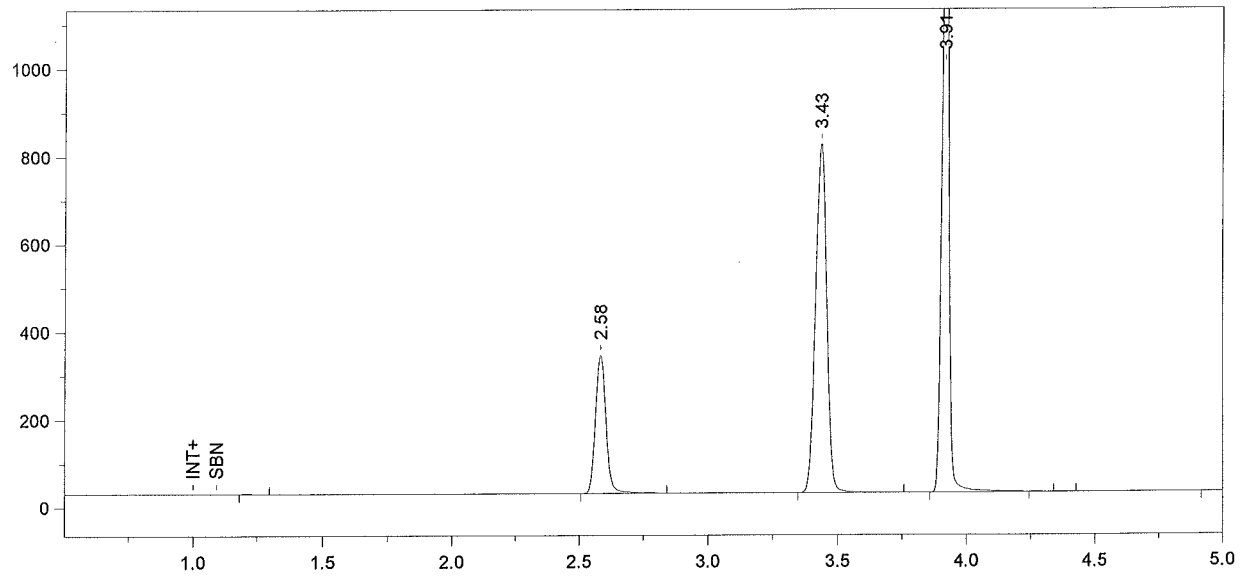
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.59	Ethanol	903611	0.1243	0.1015
3	3.44	t-Butanol	2340760	0.9869	0.8055
4	3.92	n-Propanol	2808826	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/4/2010
Today's Time = 6:19:48 PM
Bound File Name = Sim050410.0004.RAW
Sample Name = 0.10 ALB
Date Taken = 5/4/2010 6:19:43 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 268

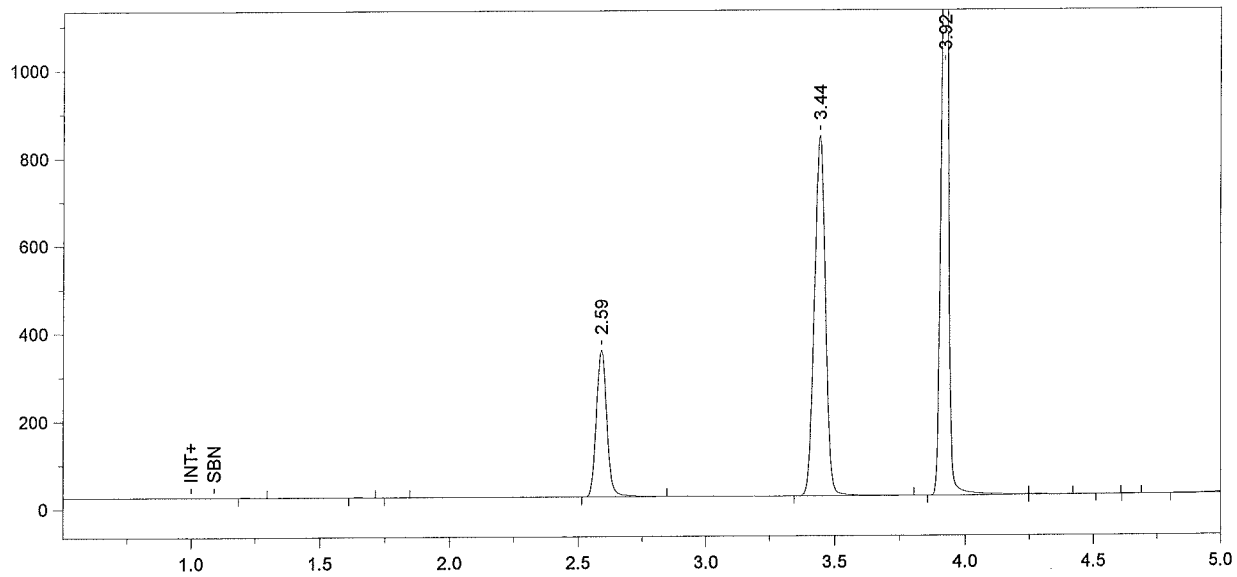
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.59	Ethanol	883009	0.1223	0.0998
3	3.44	t-Butanol	2338008	0.9926	0.8101
4	3.92	n-Propanol	2789630	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/5/2010
Today's Time = 7:23:37 AM
Bound File Name = Sim050410.0005.RAW
Sample Name = 0.10 ALB
Date Taken = 5/4/2010 6:34:44 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 268

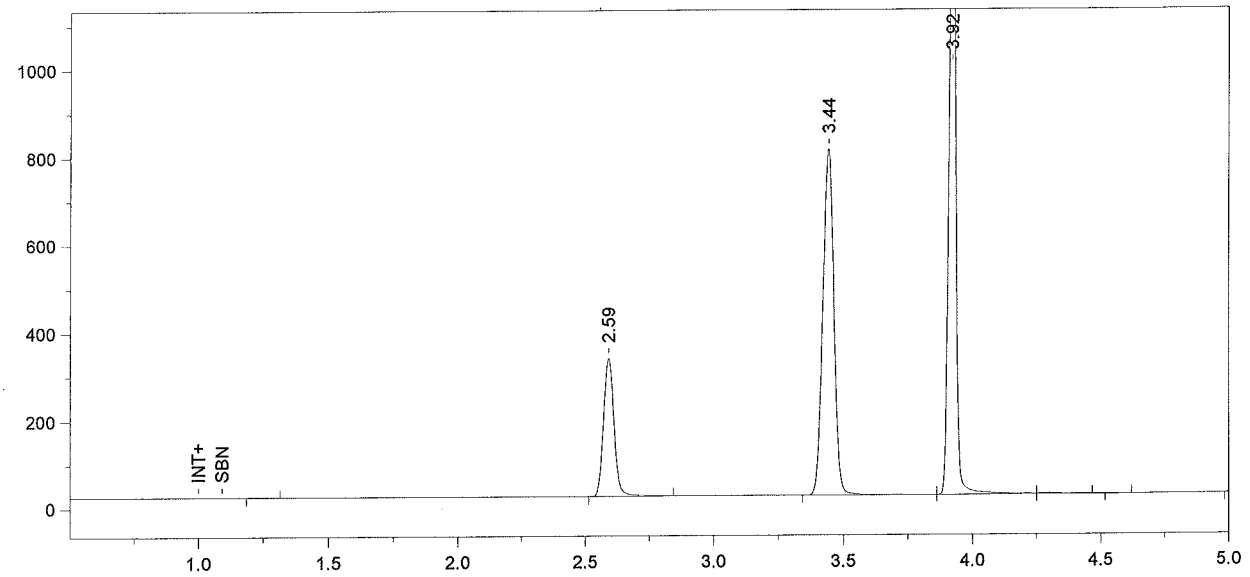
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.58	Ethanol	896476	0.1229	0.1003
3	3.43	t-Butanol	2353631	0.9891	0.8073
4	3.91	n-Propanol	2818140	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/5/2010
Today's Time = 7:38:46 AM
Bound File Name = Sim050410.0006.RAW
Sample Name = 0.10 ALB
Date Taken = 5/5/2010 7:38:41 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 268

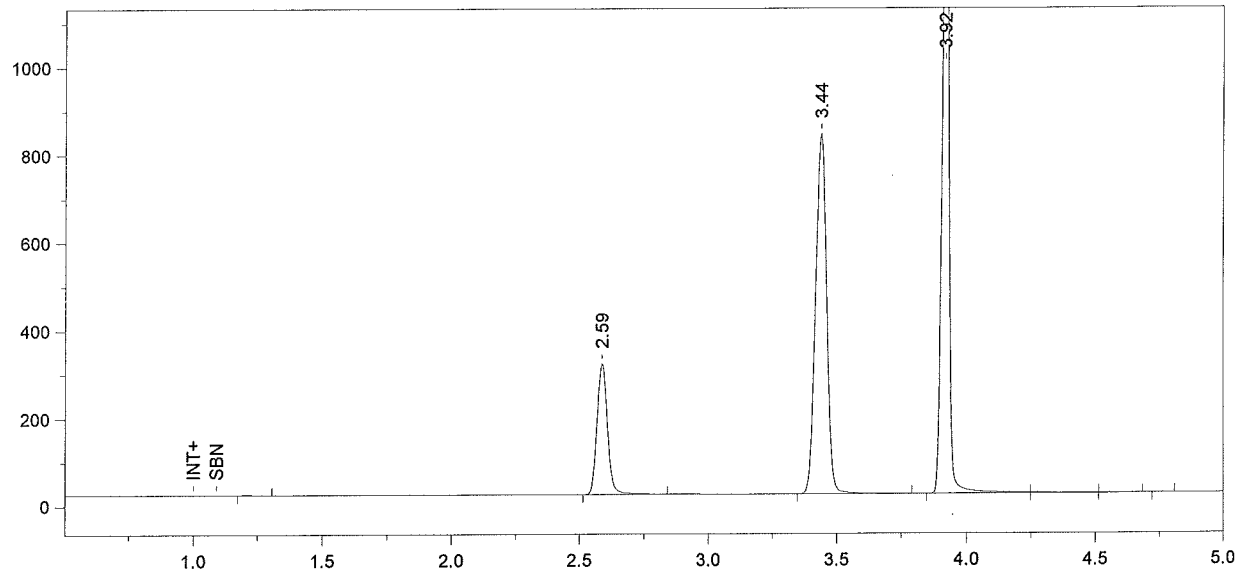
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
4	2.59	Ethanol	943532	0.1242	0.1014
5	3.44	t-Butanol	2419736	0.9766	0.7971
6	3.92	n-Propanol	2934318	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/5/2010
Today's Time = 8:05:17 AM
Bound File Name = Sim050410.0007.RAW
Sample Name = 0.10 ALB
Date Taken = 5/5/2010 8:05:15 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 268

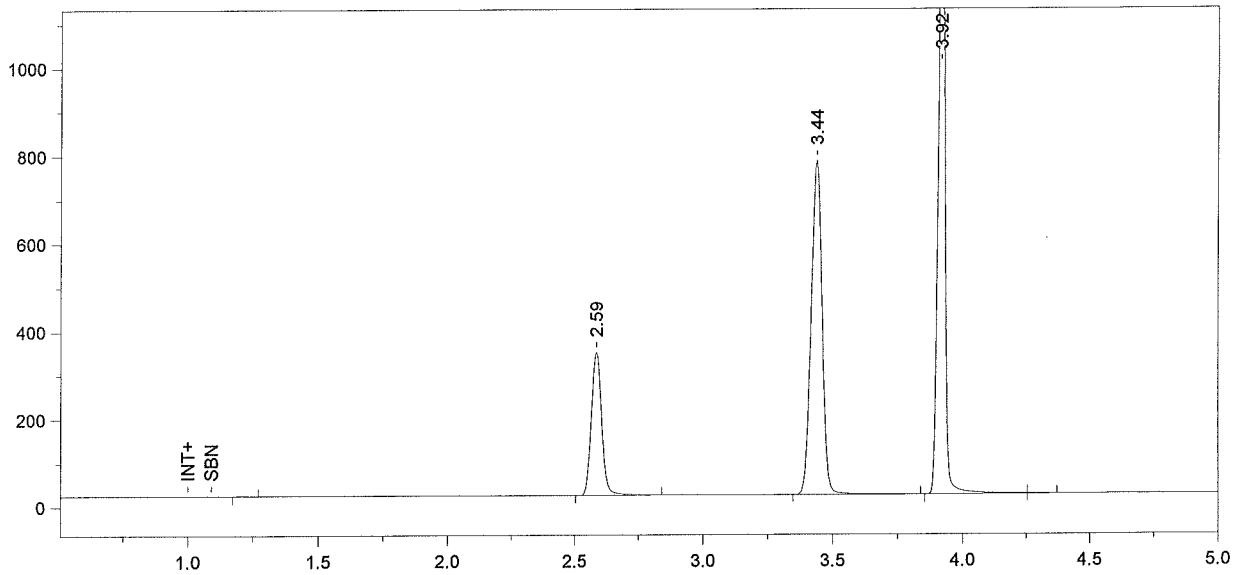
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.59	Ethanol	891466	0.1236	0.1009
3	3.44	t-Butanol	2337489	0.9930	0.8105
4	3.92	n-Propanol	2787745	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/5/2010
Today's Time = 8:20:46 AM
Bound File Name = Sim050410.0008.RAW
Sample Name = 0.10 ALB
Date Taken = 5/5/2010 8:20:40 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 268

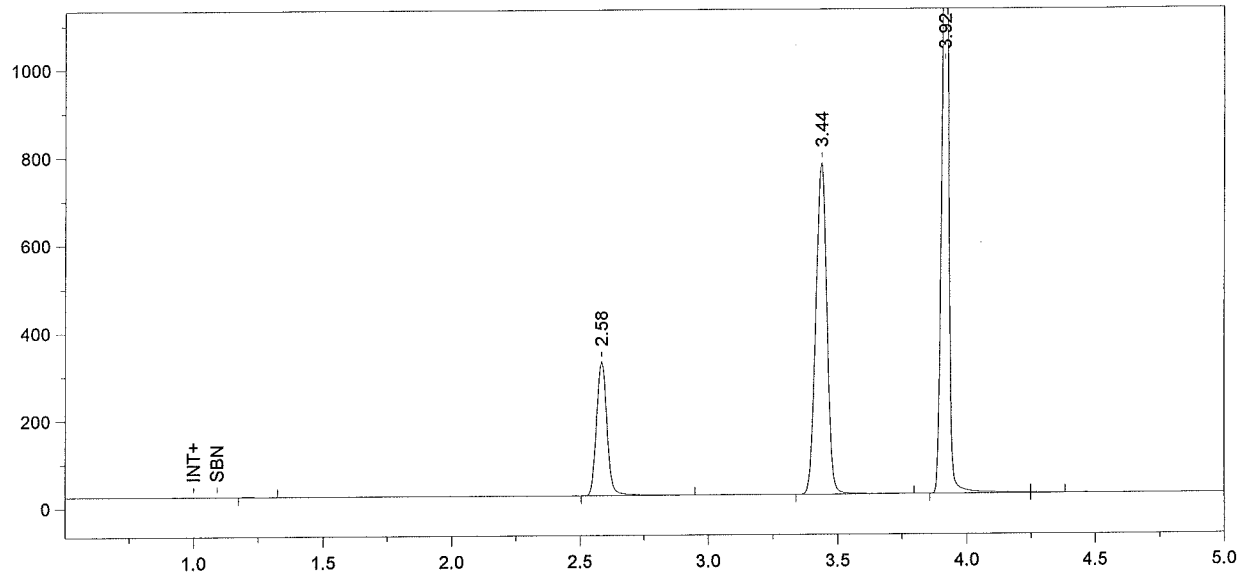
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.59	Ethanol	847054	0.1129	0.0922
3	3.44	t-Butanol	2432825	0.9941	0.8114
4	3.92	n-Propanol	2898137	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/5/2010
Today's Time = 8:35:43 AM
Bound File Name = Sim050410.0009.RAW
Sample Name = 0.10 ALB
Date Taken = 5/5/2010 8:35:41 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 268

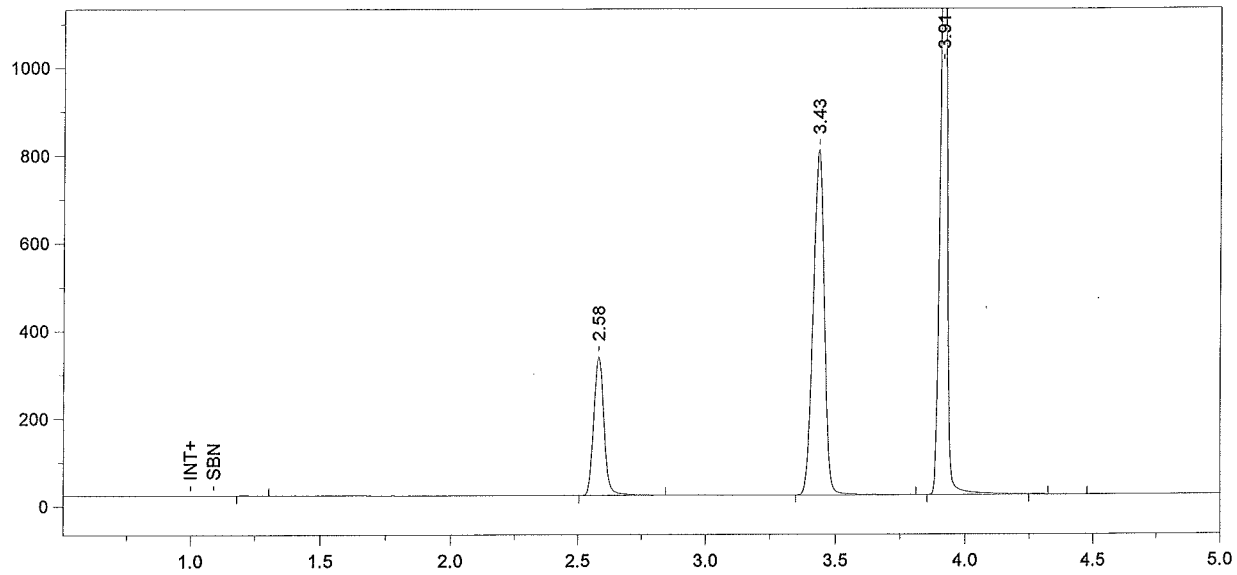
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.59	Ethanol	927573	0.1327	0.1083
3	3.44	t-Butanol	2251821	0.9876	0.8061
4	3.92	n-Propanol	2700148	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/5/2010
Today's Time = 8:50:36 AM
Bound File Name = Sim050410.0010.RAW
Sample Name = 0.10 MCS
Date Taken = 5/5/2010 8:50:31 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 268

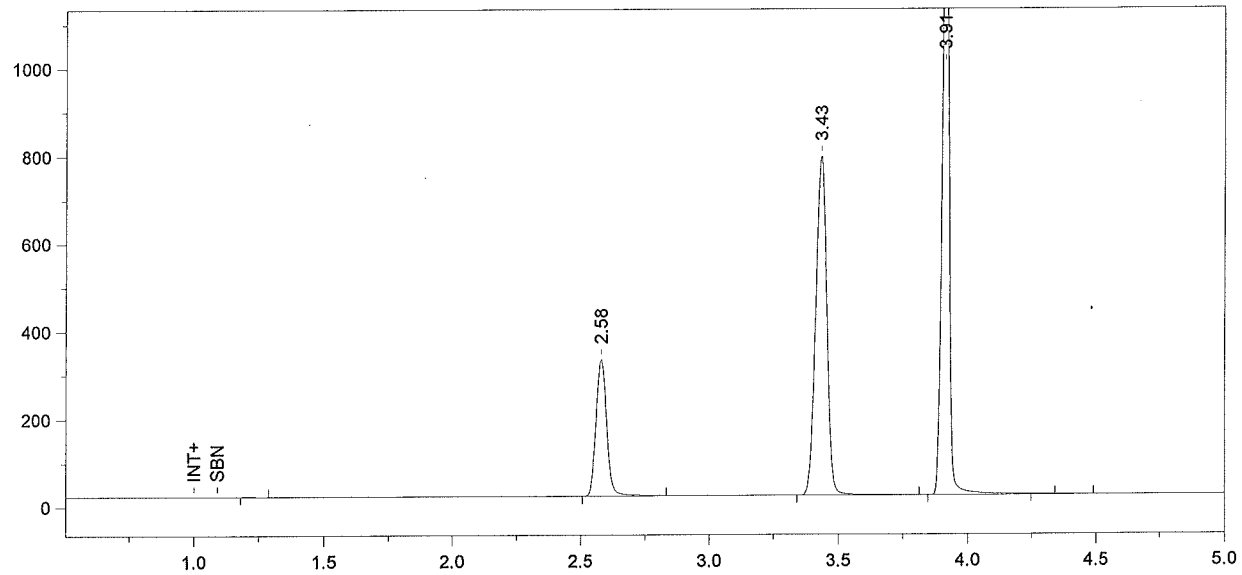
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.58	Ethanol	872837	0.1252	0.1022
3	3.44	t-Butanol	2238202	0.9843	0.8034
4	3.92	n-Propanol	2692967	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/5/2010
Today's Time = 9:05:34 AM
Bound File Name = Sim050410.0011.RAW
Sample Name = 0.10 MCS
Date Taken = 5/5/2010 9:05:32 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 268

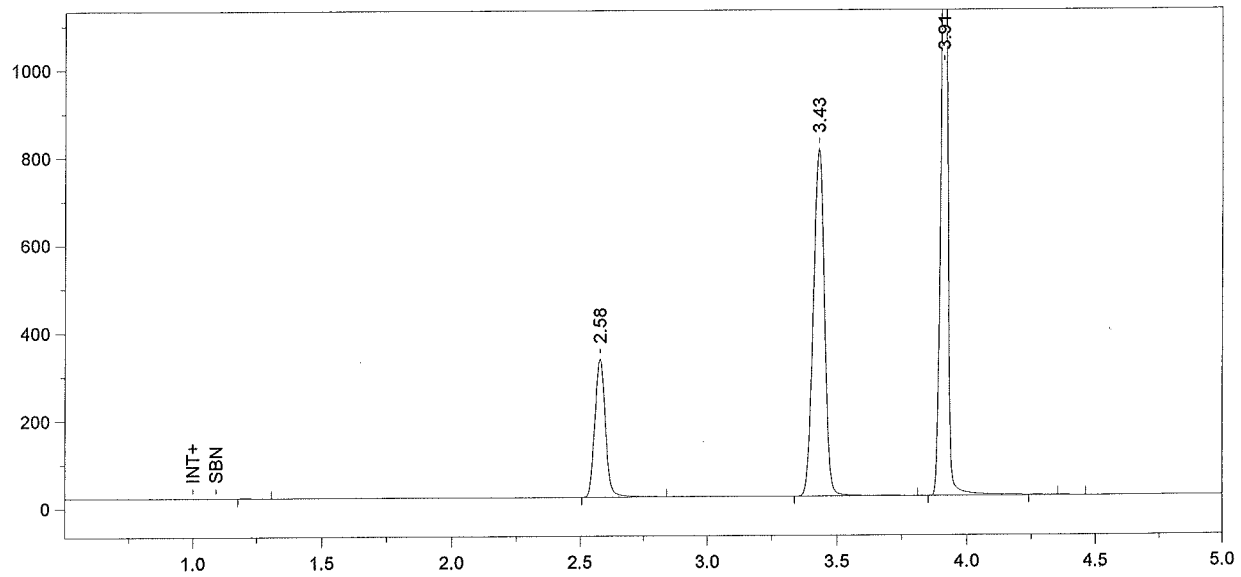
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.58	Ethanol	898674	0.1243	0.1014
3	3.43	t-Butanol	2324632	0.9852	0.8042
4	3.91	n-Propanol	2794261	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/5/2010
Today's Time = 9:20:35 AM
Bound File Name = Sim050410.0012.RAW
Sample Name = 0.10 MCS
Date Taken = 5/5/2010 9:20:33 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 268

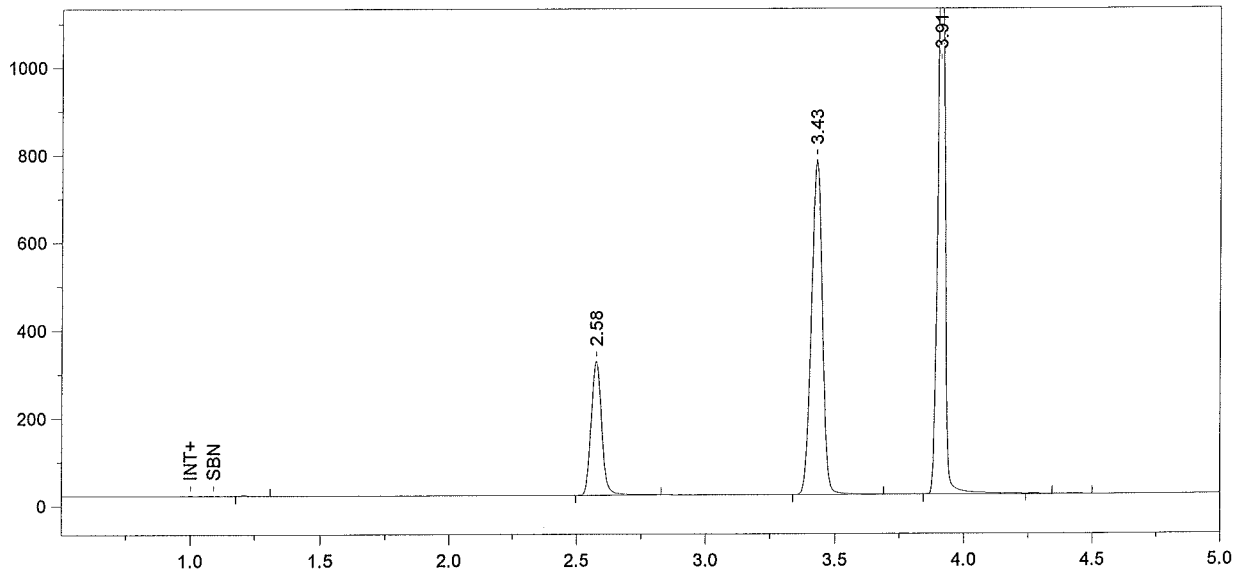
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.58	Ethanol	885419	0.1241	0.1013
3	3.43	t-Butanol	2302049	0.9887	0.8070
4	3.91	n-Propanol	2757428	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/5/2010
Today's Time = 9:35:36 AM
Bound File Name = Sim050410.0013.RAW
Sample Name = 0.10 MCS
Date Taken = 5/5/2010 9:35:34 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 268

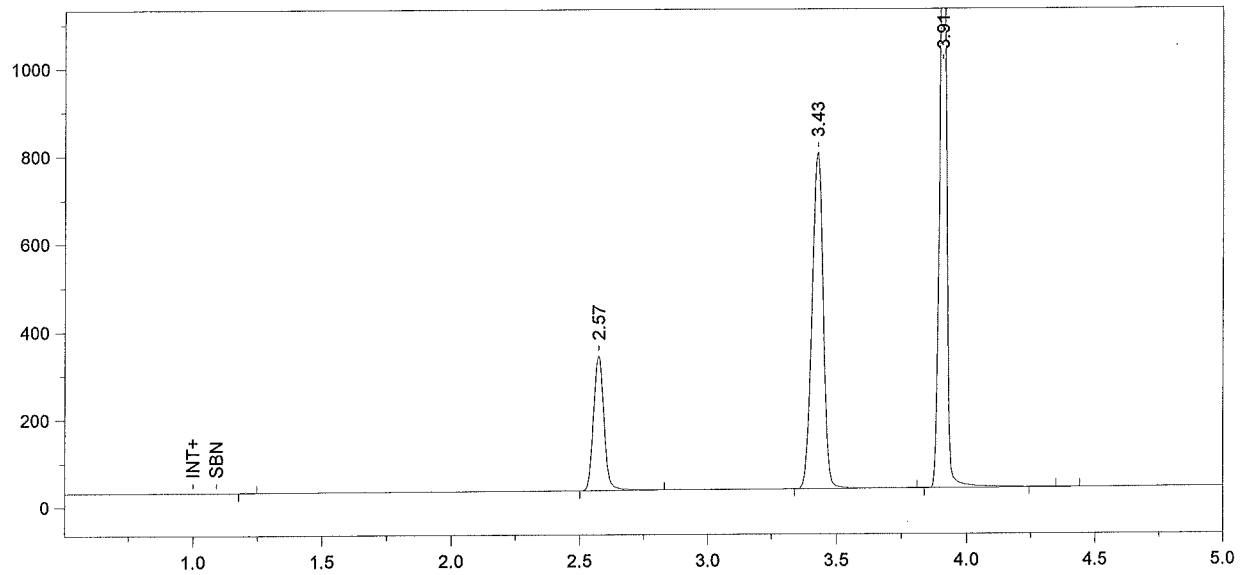
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.58	Ethanol	897498	0.1229	0.1003
3	3.43	t-Butanol	2353910	0.9877	0.8061
4	3.91	n-Propanol	2822495	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/5/2010
Today's Time = 9:50:41 AM
Bound File Name = Sim050410.0014.RAW
Sample Name = 0.10 MCS
Date Taken = 5/5/2010 9:50:38 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 268

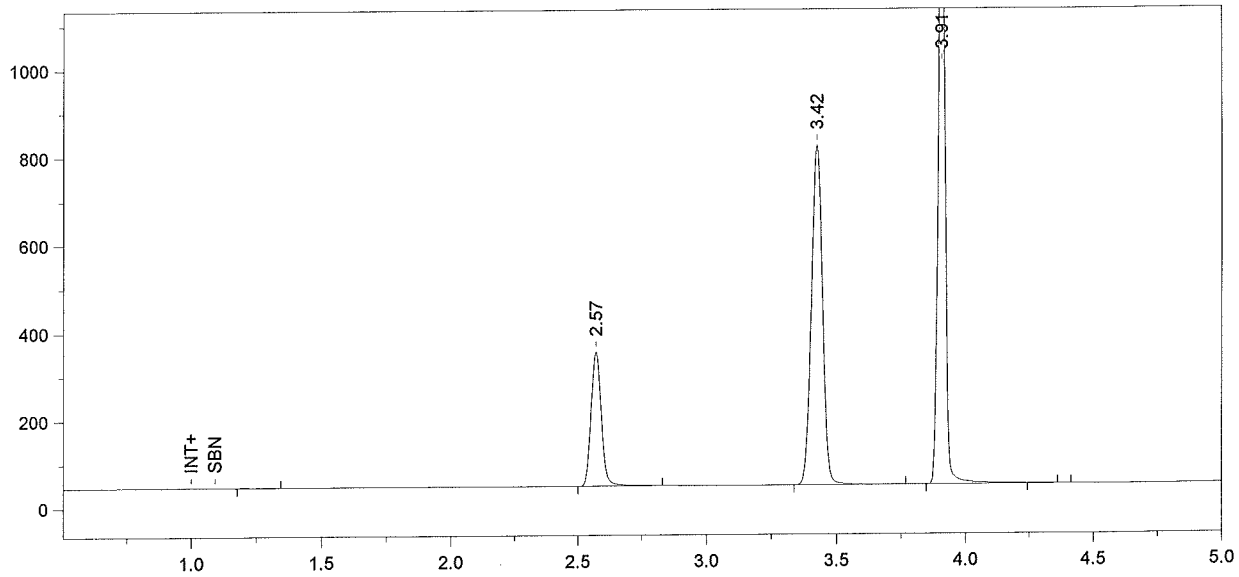
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.58	Ethanol	869270	0.1237	0.1009
3	3.43	t-Butanol	2250600	0.9814	0.8010
4	3.91	n-Propanol	2715919	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/5/2010
Today's Time = 10:05:44 AM
Bound File Name = Sim050410.0015.RAW
Sample Name = 0.10 MCS
Date Taken = 5/5/2010 10:05:39 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 268

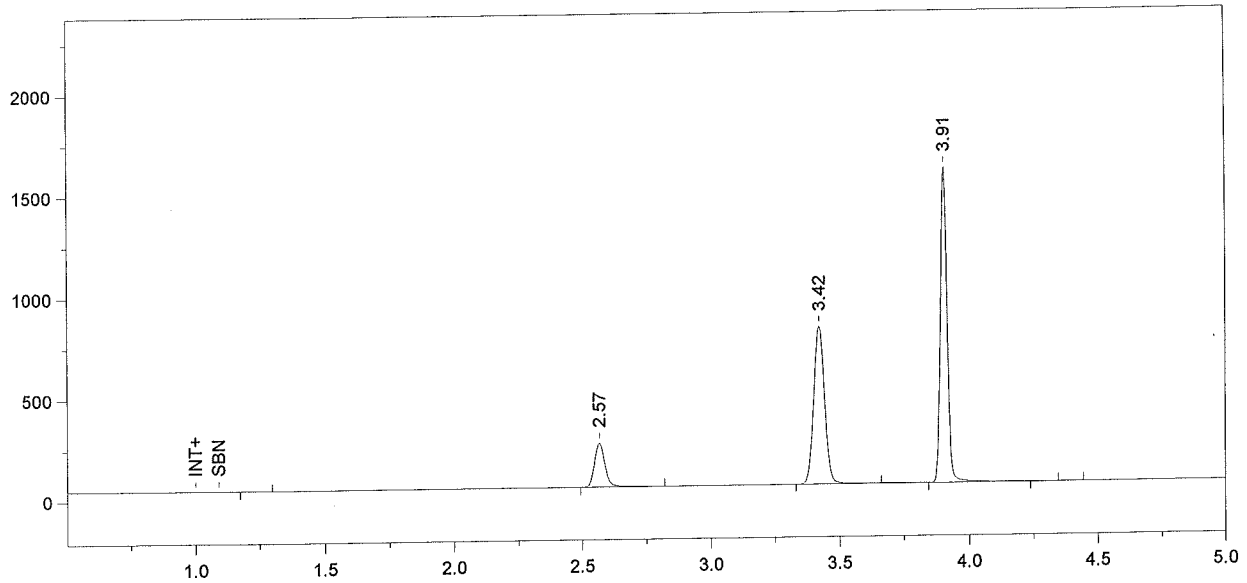
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.57	Ethanol	875981	0.1233	0.1006
3	3.43	t-Butanol	2282383	0.9845	0.8035
4	3.91	n-Propanol	2745654	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/5/2010
Today's Time = 10:20:43 AM
Bound File Name = Sim050410.0016.RAW
Sample Name = 0.10 MCS
Date Taken = 5/5/2010 10:20:41 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 268

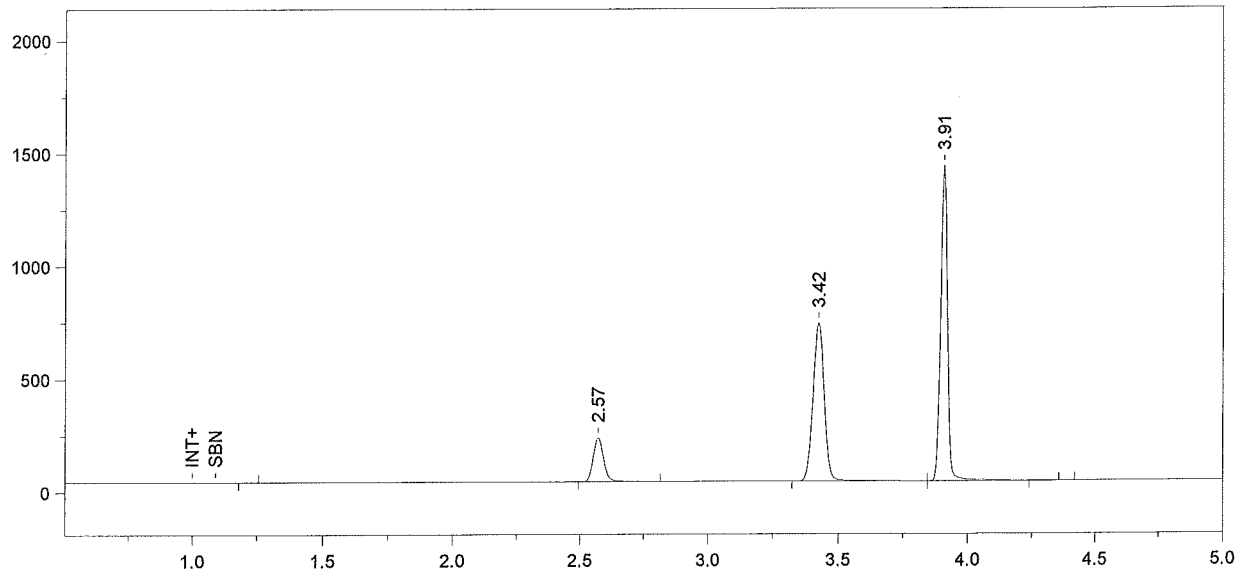
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.57	Ethanol	874939	0.1223	0.0998
3	3.42	t-Butanol	2295588	0.9833	0.8025
4	3.91	n-Propanol	2764912	1.0000	0.8162



Format File Name = Alcohol4-JFH.met.FMT

Today's Date = 5/5/2010
Today's Time = 10:35:46 AM
Bound File Name = Sim050410.0017.RAW
Sample Name = CCS
Date Taken = 5/5/2010 10:35:42 AM
VDH Headspace Alcohol
Method file = BloodAlcohol4.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 268

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.57	Ethanol	617566	0.0841
3	3.42	t-Butanol	2310316	0.9641
4	3.91	n-Propanol	2837921	1.0000



Format File Name = Alcohol4-JFH.met.FMT

Today's Date = 5/5/2010
Today's Time = 10:50:43 AM
Bound File Name = Sim050410.0018.RAW
Sample Name = CCS
Date Taken = 5/5/2010 10:50:41 AM
VDH Headspace Alcohol
Method file = BloodAlcohol4.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 268

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.57	Ethanol	554480	0.0841
3	3.42	t-Butanol	2072059	0.9635
4	3.91	n-Propanol	2546999	1.0000

File Name: C:\Methods\BloodAlcohol4.cal
Version: 273

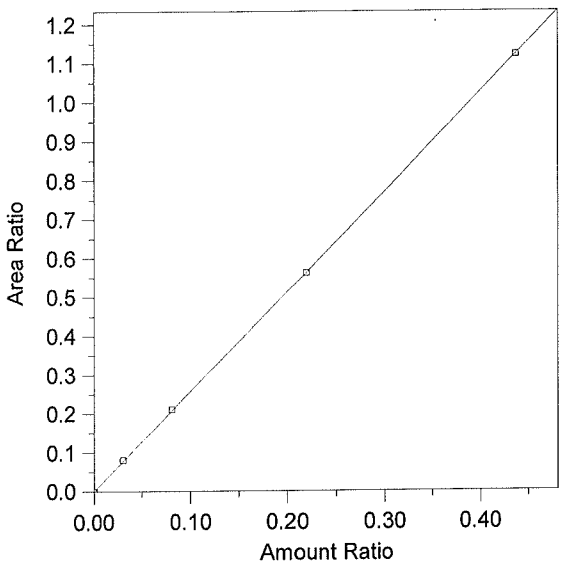
Creator:
Description:
Reason for change:

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:	2.565 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

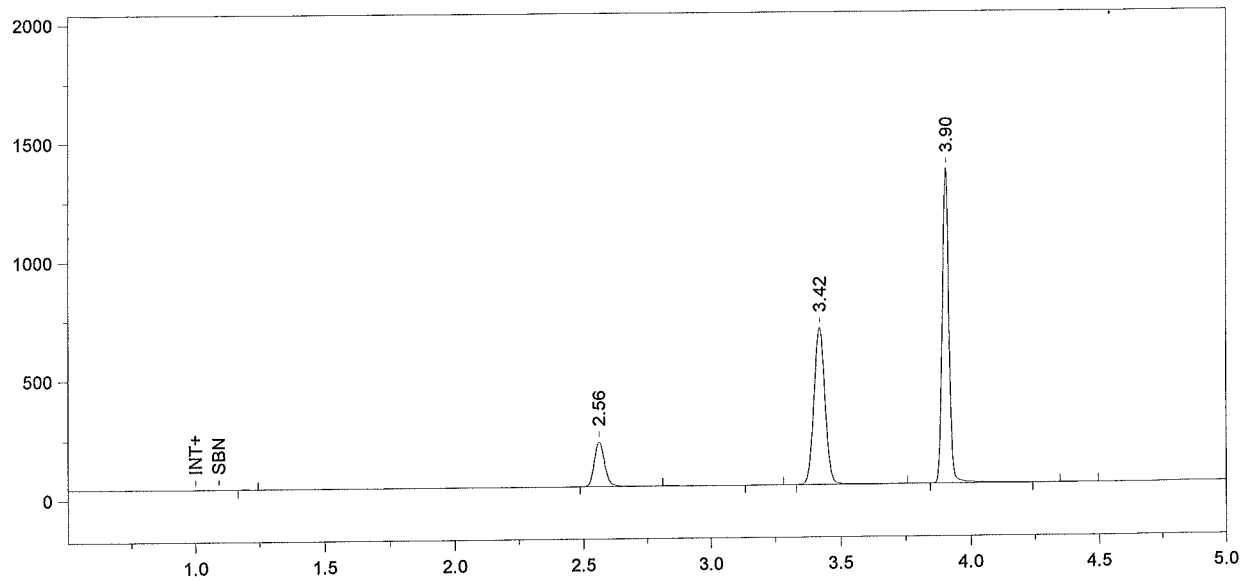
Single peak quantification by area

Y = 2.565758 X + 0

Linear fit with equal weighting, forced to origin

Coefficient of determination:	0.9999695
Average error:	1.371%
Average CF:	2.086592
RSD:	55.968%

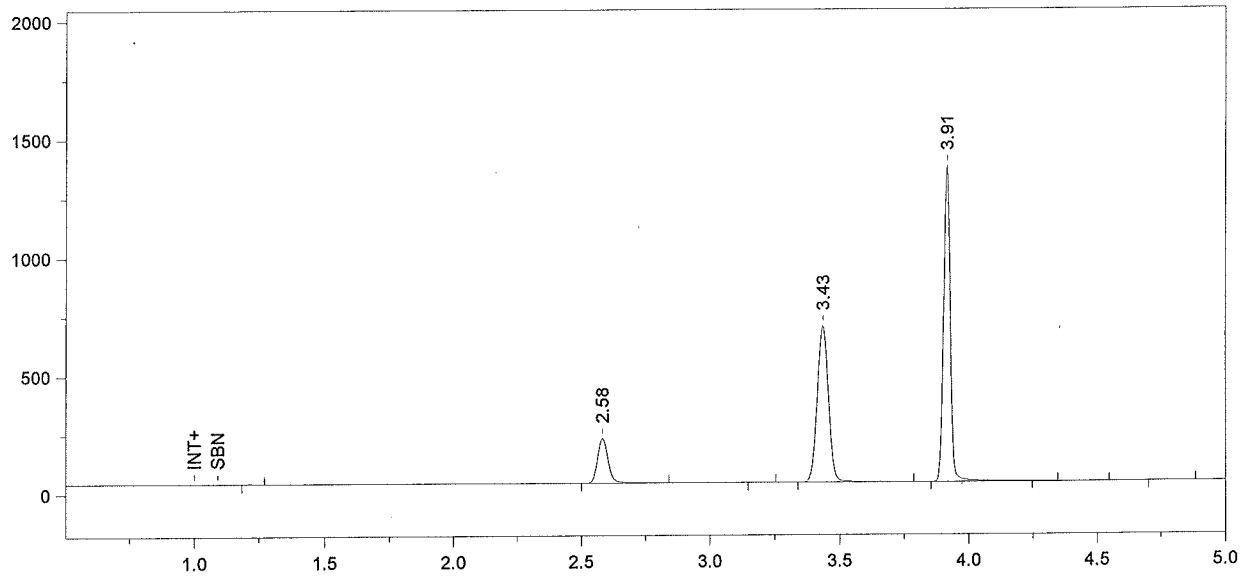
Level	Amount	Response	Cal Factor	Error, %	Amount Ratio	Response Ratio	Source	Date and time
1	0	(0)	--	0.000	0	0	Manual	4/11/2005 10:03:40 AM
2	0.03	221864.5	7395484	5.364	0.03	8.110165E-02	C:\Alcohol Data\Alc051110\Alc051110.0003.BND	5/11/2010 4:02:57 PM
3	0.081	584085.9	7210937	1.375	0.081	0.2106839	C:\Alcohol Data\Alc051110\Alc051110.0004.BND	5/11/2010 4:18:00 PM
4	0.219	1605013	7328827	-0.058	0.219	0.5615739	C:\Alcohol Data\Alc051110\Alc051110.0005.BND	5/11/2010 4:33:01 PM
5	0.437	3246558	7429195	-0.058	0.437	1.120587	C:\Alcohol Data\Alc051110\Alc051110.0006.BND	5/11/2010 4:48:00 PM



Format File Name = Alcohol4-JFH.met.FMT

Today's Date = 5/12/2010
Today's Time = 6:06:29 PM
Bound File Name = Sim051210.0001.RAW
Sample Name = CCS
Date Taken = 5/12/2010 6:06:25 PM
VDH Headspace Alcohol
Method file = BloodAlcohol4.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 273

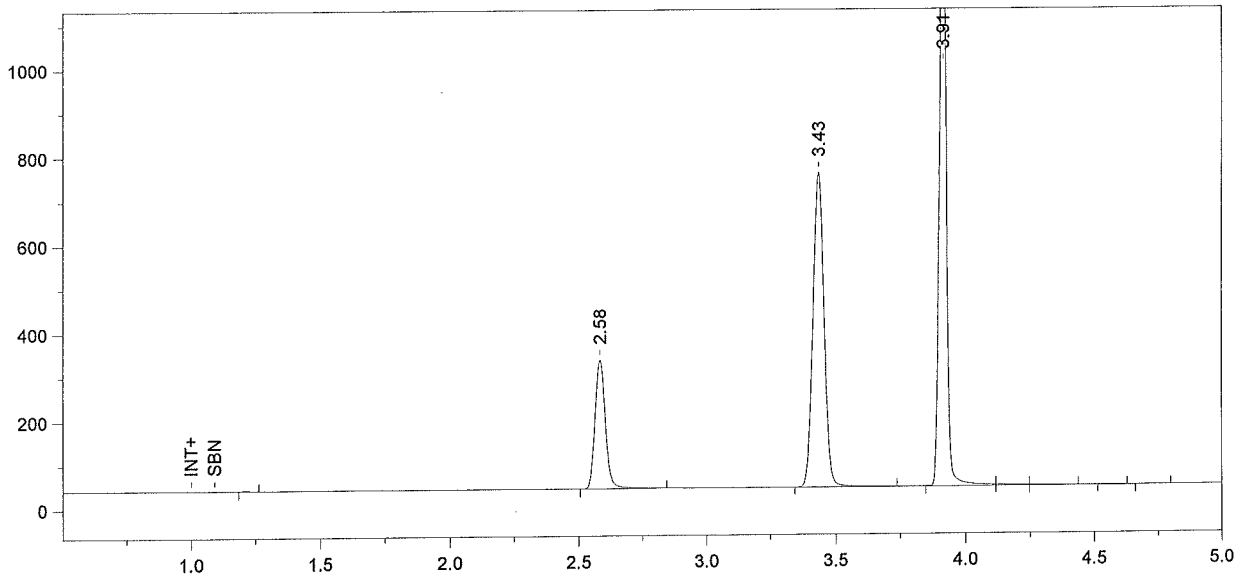
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.56	Ethanol	546789	0.0879
4	3.42	t-Butanol	1963518	0.9699
5	3.90	n-Propanol	2425416	1.0000



Format File Name = Alcohol4-JFH.met.FMT

Today's Date = 5/12/2010
Today's Time = 6:21:16 PM
Bound File Name = Sim051210.0002.RAW
Sample Name = CCS
Date Taken = 5/12/2010 6:21:14 PM
VDH Headspace Alcohol
Method file = BloodAlcohol4.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 273

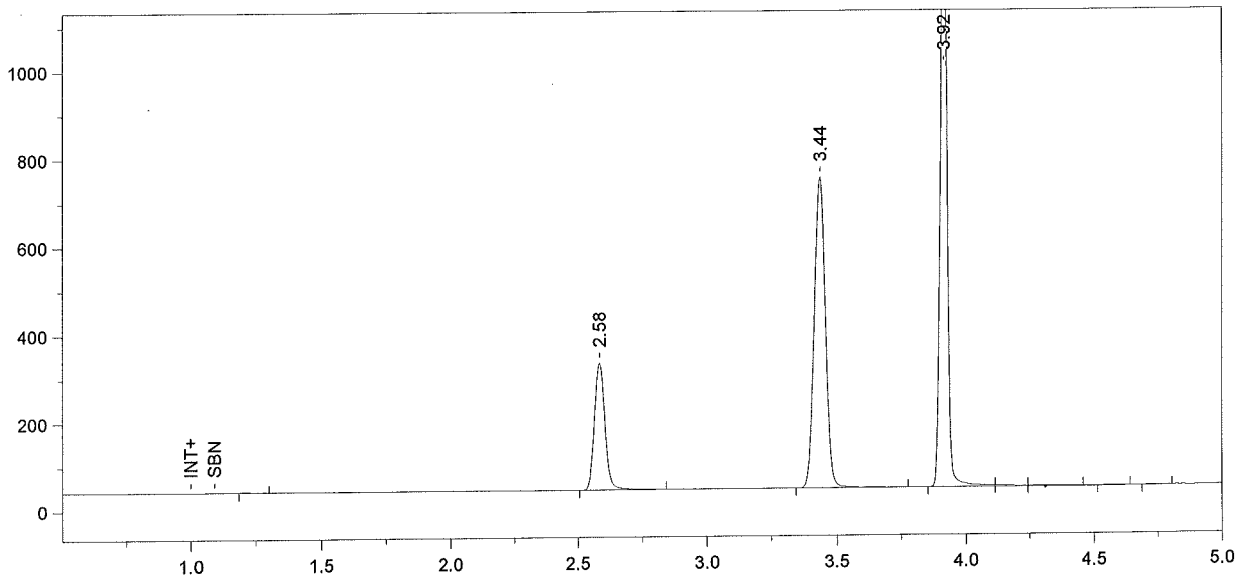
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.58	Ethanol	545542	0.0884
4	3.43	t-Butanol	1957358	0.9746
5	3.91	n-Propanol	2406115	1.0000



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/12/2010
Today's Time = 6:36:21 PM
Bound File Name = Sim051210.0003.RAW
Sample Name = 0.10 ALB
Date Taken = 5/12/2010 6:36:14 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 273

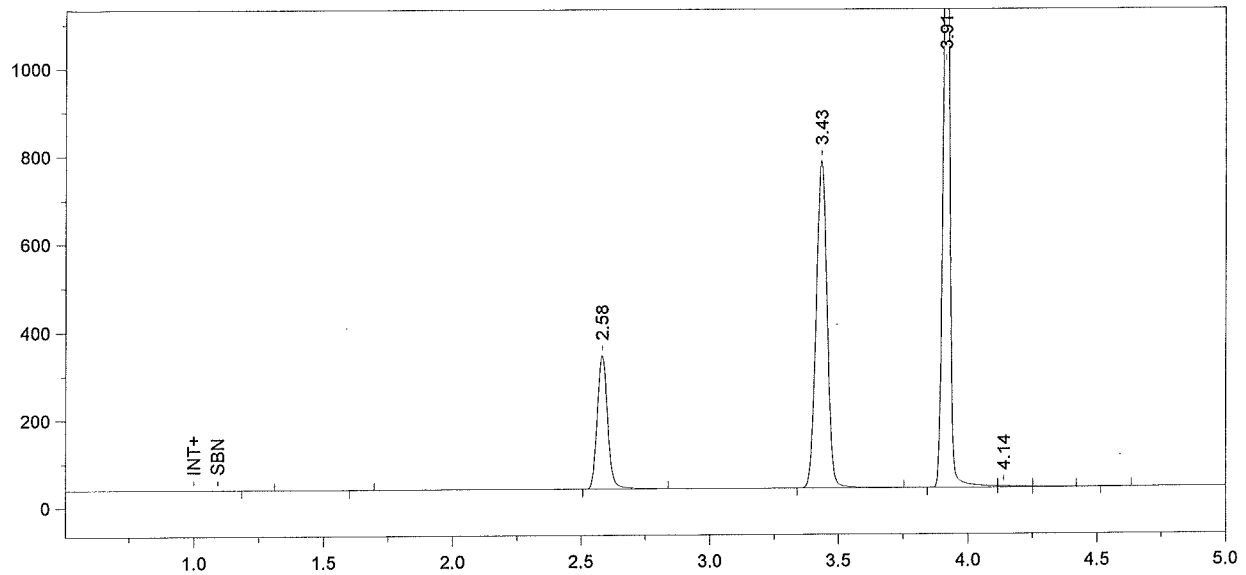
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.58	Ethanol	835583	0.1266	0.1033
3	3.43	t-Butanol	2128665	0.9914	0.8092
4	3.91	n-Propanol	2572333	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/12/2010
Today's Time = 6:51:18 PM
Bound File Name = Sim051210.0004.RAW
Sample Name = 0.10 ALB
Date Taken = 5/12/2010 6:51:16 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 273

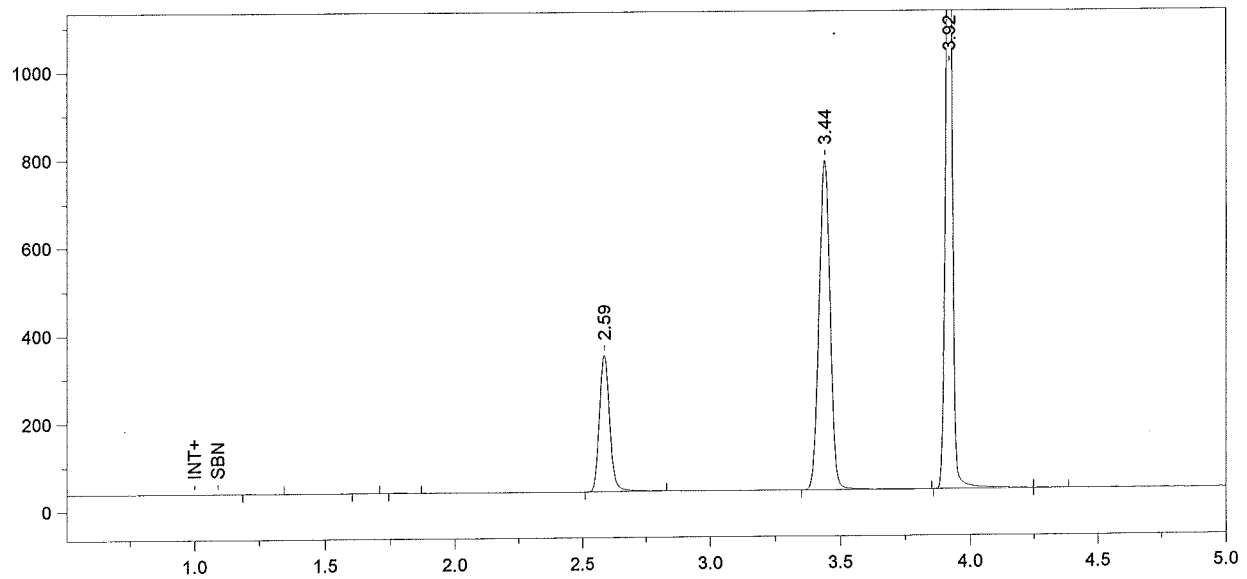
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.58	Ethanol	822479	0.1263	0.1031
3	3.44	t-Butanol	2094080	0.9881	0.8065
4	3.92	n-Propanol	2538961	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/12/2010
Today's Time = 7:06:21 PM
Bound File Name = Sim051210.0005.RAW
Sample Name = 0.10 ALB
Date Taken = 5/12/2010 7:06:17 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 273

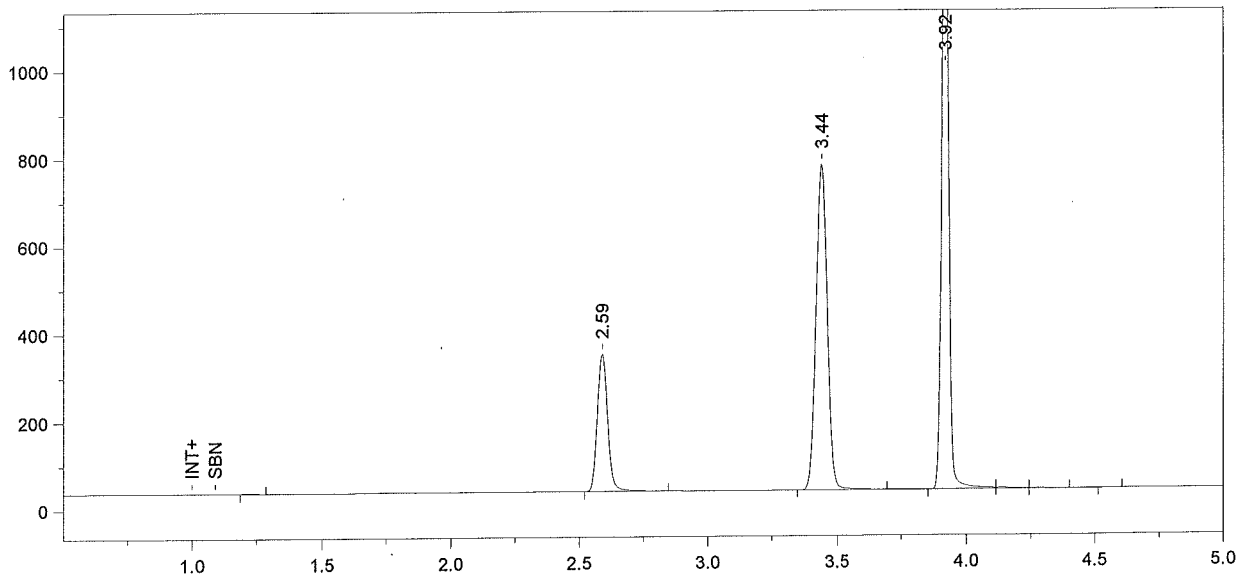
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	2.58	Ethanol	867693	0.1273	0.1039
4	3.43	t-Butanol	2214056	0.9988	0.8152
5	3.91	n-Propanol	2655730	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/12/2010
Today's Time = 7:21:20 PM
Bound File Name = Sim051210.0006.RAW
Sample Name = 0.10 ALB
Date Taken = 5/12/2010 7:21:17 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 273

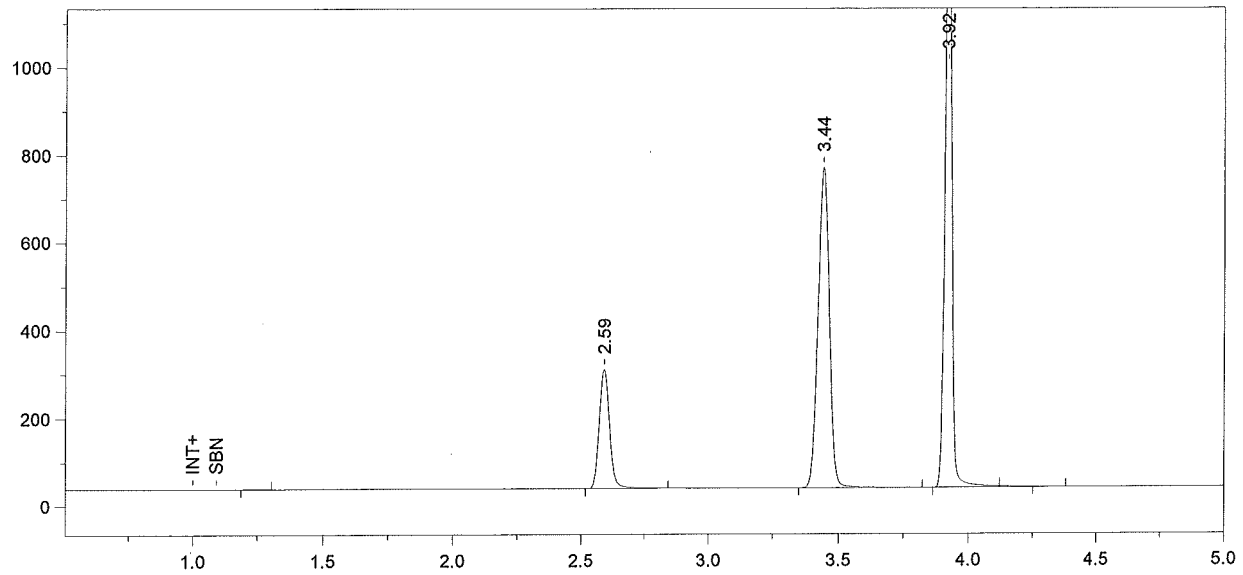
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
4	2.59	Ethanol	877549	0.1266	0.1033
5	3.44	t-Butanol	2225148	0.9865	0.8052
6	3.92	n-Propanol	2702273	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/12/2010
Today's Time = 7:36:29 PM
Bound File Name = Sim051210.0007.RAW
Sample Name = 0.10 ALB
Date Taken = 5/12/2010 7:36:24 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 273

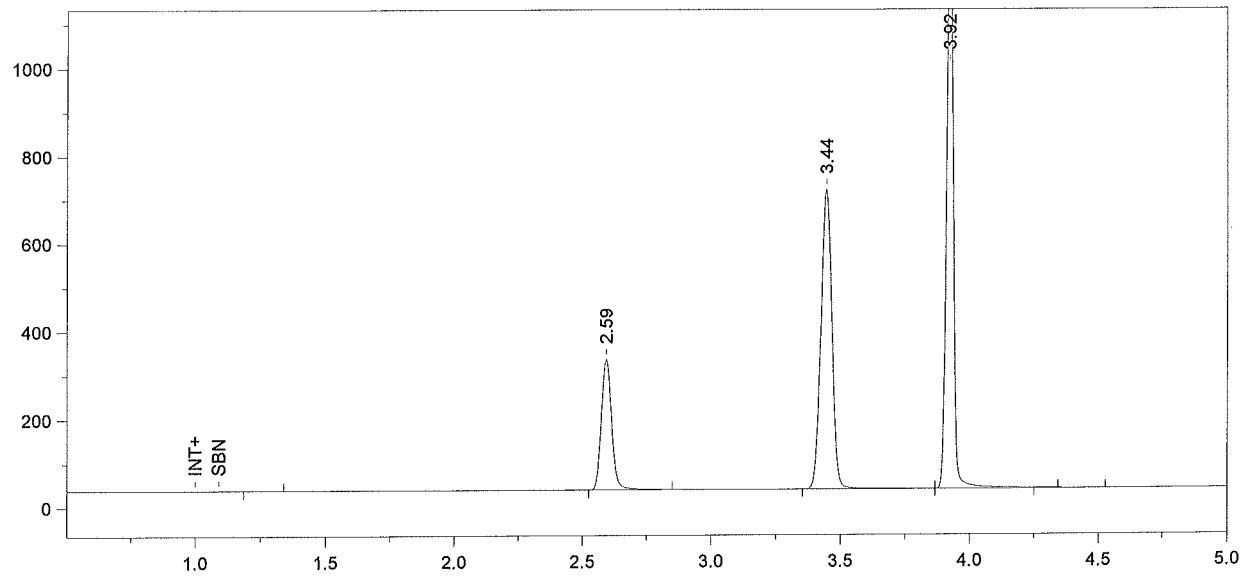
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.59	Ethanol	882440	0.1280	0.1045
3	3.44	t-Butanol	2192308	0.9776	0.7979
4	3.92	n-Propanol	2686534	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/12/2010
Today's Time = 7:51:34 PM
Bound File Name = Sim051210.0008.RAW
Sample Name = 0.10 ALB
Date Taken = 5/12/2010 7:51:31 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 273

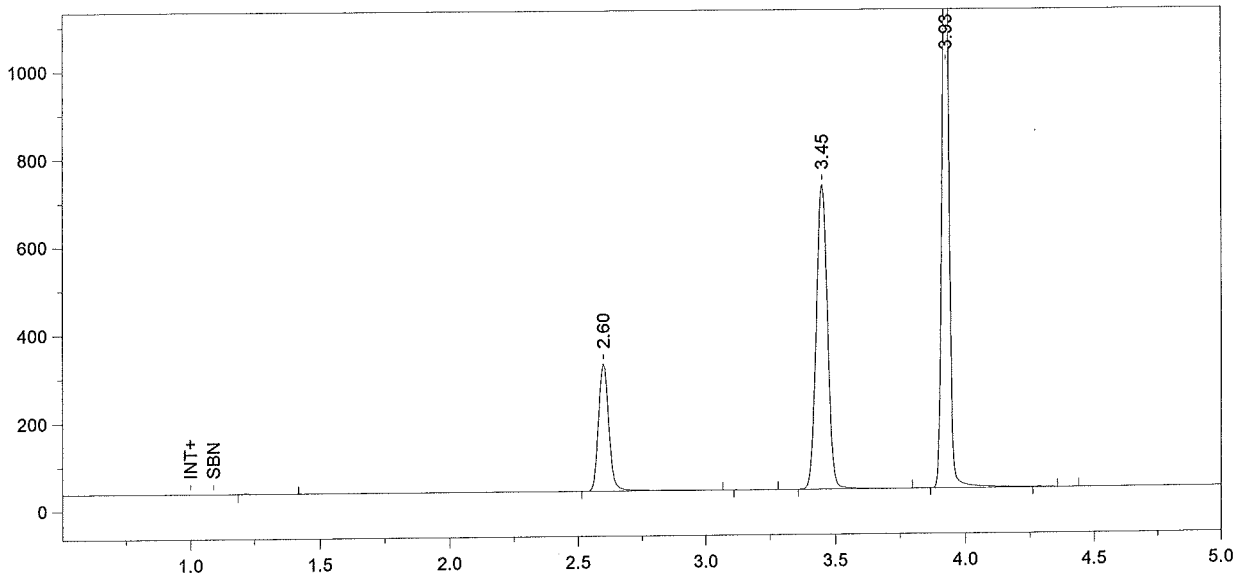
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.59	Ethanol	770824	0.1163	0.0949
3	3.44	t-Butanol	2155638	0.9996	0.8159
4	3.92	n-Propanol	2583568	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/12/2010
Today's Time = 8:06:26 PM
Bound File Name = Sim051210.0009.RAW
Sample Name = 0.10 ALB
Date Taken = 5/12/2010 8:06:21 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 273

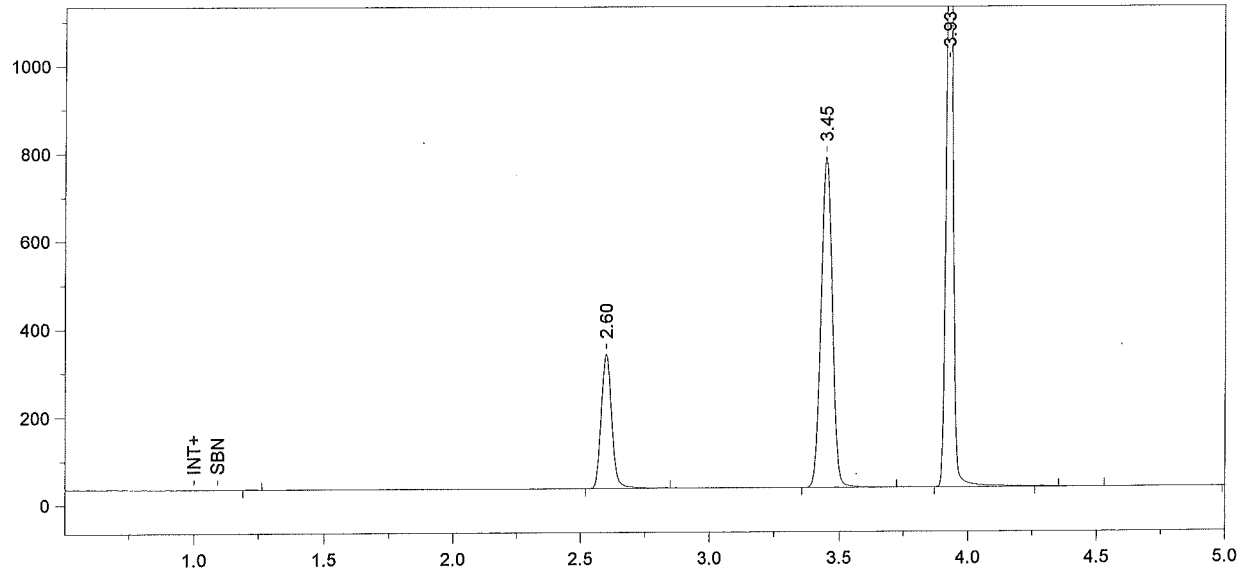
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.59	Ethanol	841977	0.1355	0.1106
3	3.44	t-Butanol	2014967	0.9969	0.8136
4	3.92	n-Propanol	2421591	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/12/2010
Today's Time = 8:21:25 PM
Bound File Name = Sim051210.0010.RAW
Sample Name = 0.10 MCS
Date Taken = 5/12/2010 8:21:22 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 273

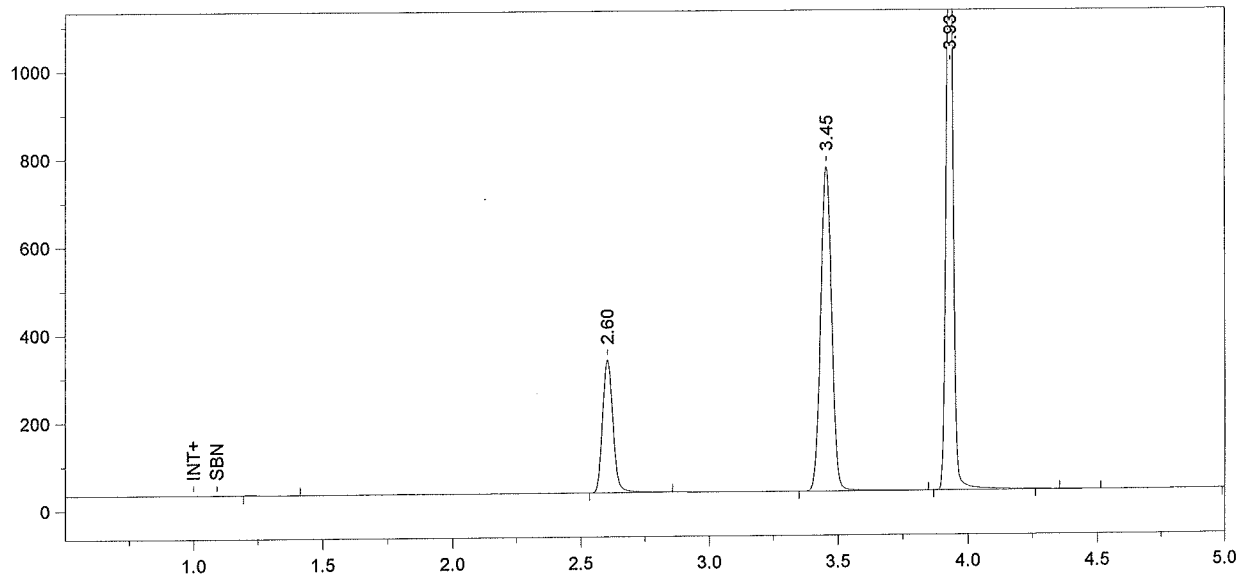
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.60	Ethanol	829144	0.1286	0.1050
4	3.45	t-Butanol	2054591	0.9798	0.7997
5	3.93	n-Propanol	2512177	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/12/2010
Today's Time = 8:36:30 PM
Bound File Name = Sim051210.0011.RAW
Sample Name = 0.10 MCS
Date Taken = 5/12/2010 8:36:23 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 273

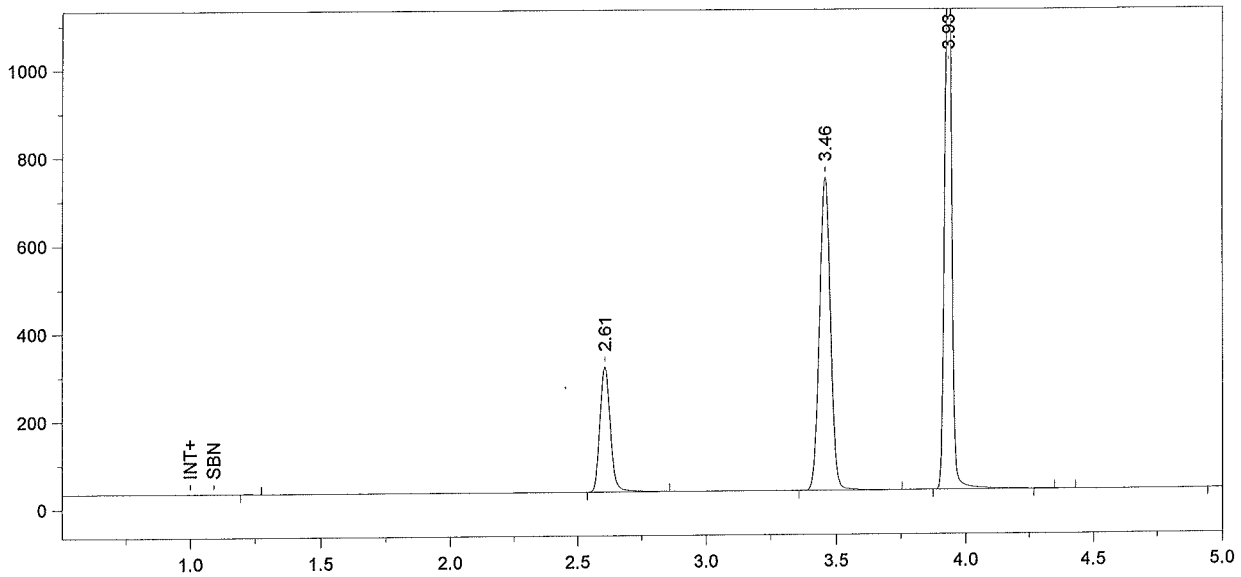
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.60	Ethanol	866057	0.1260	0.1028
3	3.45	t-Butanol	2229168	0.9967	0.8135
4	3.93	n-Propanol	2679437	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/12/2010
Today's Time = 8:51:27 PM
Bound File Name = Sim051210.0012.RAW
Sample Name = 0.10 MCS
Date Taken = 5/12/2010 8:51:25 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 273

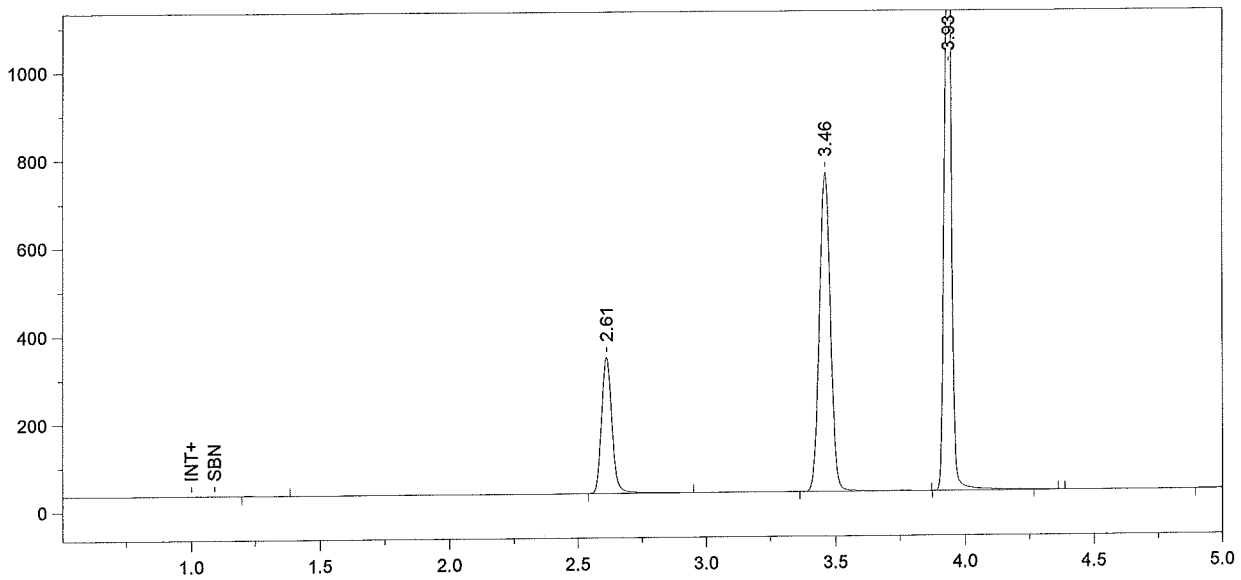
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.60	Ethanol	857919	0.1264	0.1031
3	3.45	t-Butanol	2188739	0.9908	0.8087
4	3.93	n-Propanol	2646374	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/12/2010
Today's Time = 9:06:32 PM
Bound File Name = Sim051210.0013.RAW
Sample Name = 0.10 MCS
Date Taken = 5/12/2010 9:06:28 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 273

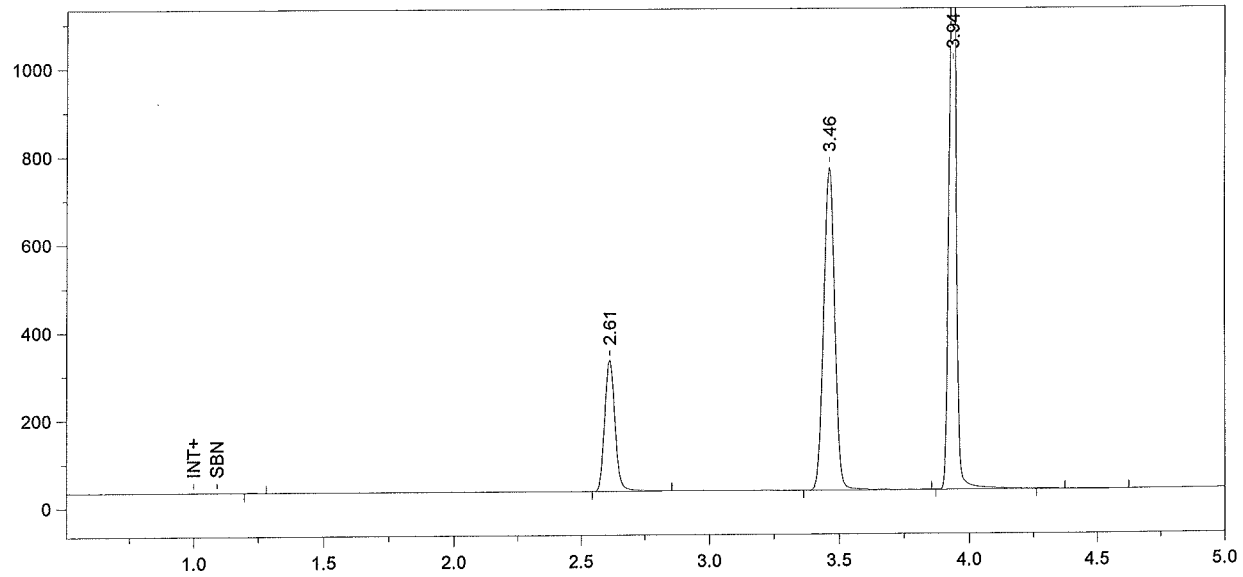
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.61	Ethanol	809261	0.1253	0.1023
3	3.46	t-Butanol	2105248	1.0019	0.8177
4	3.93	n-Propanol	2517449	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/12/2010
Today's Time = 9:21:37 PM
Bound File Name = Sim051210.0014.RAW
Sample Name = 0.10 MCS
Date Taken = 5/12/2010 9:21:30 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 273

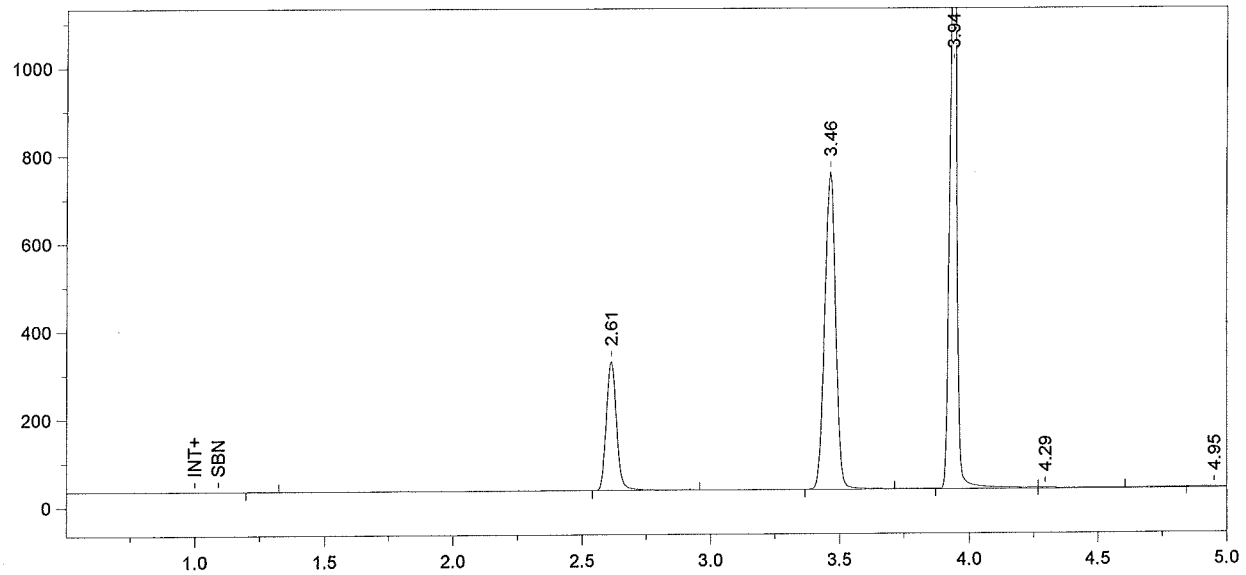
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.61	Ethanol	880862	0.1289	0.1052
3	3.46	t-Butanol	2131008	0.9586	0.7824
4	3.93	n-Propanol	2663310	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/12/2010
Today's Time = 9:36:34 PM
Bound File Name = Sim051210.0015.RAW
Sample Name = 0.10 MCS
Date Taken = 5/12/2010 9:36:31 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 273

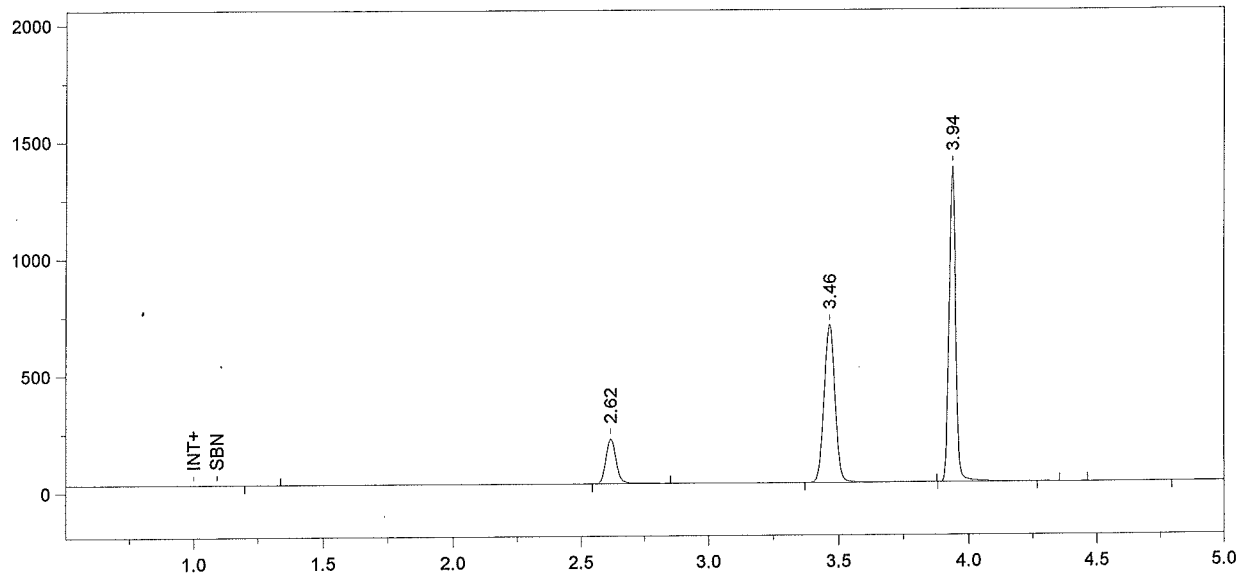
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.61	Ethanol	845823	0.1251	0.1021
3	3.46	t-Butanol	2177812	0.9899	0.8080
4	3.94	n-Propanol	2635675	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/12/2010
Today's Time = 9:51:37 PM
Bound File Name = Sim051210.0016.RAW
Sample Name = 0.10 MCS
Date Taken = 5/12/2010 9:51:32 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 273

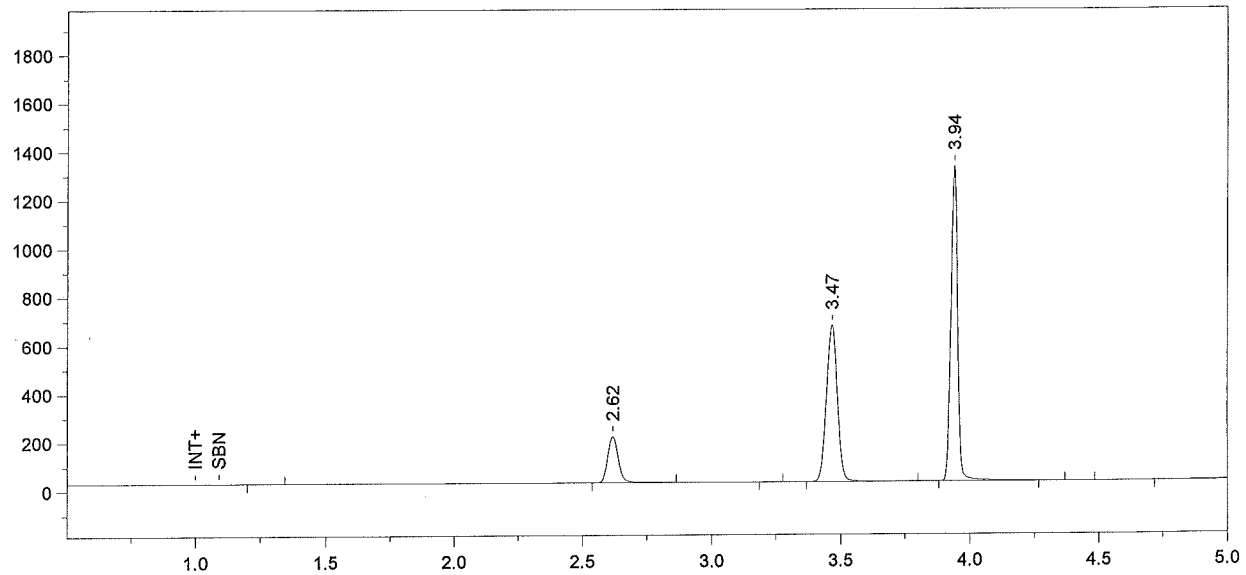
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.61	Ethanol	840117	0.1259	0.1028
3	3.46	t-Butanol	2127230	0.9801	0.8000
4	3.94	n-Propanol	2600219	1.0000	0.8162



Format File Name = Alcohol4-JFH.met.FMT

Today's Date = 5/12/2010
Today's Time = 10:06:36 PM
Bound File Name = Sim051210.0017.RAW
Sample Name = CCS
Date Taken = 5/12/2010 10:06:33 PM
VDH Headspace Alcohol
Method file = BloodAlcohol4.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 273

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.62	Ethanol	544907	0.0871
3	3.46	t-Butanol	2003174	0.9841
4	3.94	n-Propanol	2438488	1.0000



Format File Name = Alcohol4-JFH.met.FMT

Today's Date = 5/12/2010
Today's Time = 10:21:35 PM
Bound File Name = Sim051210.0018.RAW
Sample Name = CCS
Date Taken = 5/12/2010 10:21:33 PM
VDH Headspace Alcohol
Method file = BloodAlcohol4.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 273

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.62	Ethanol	542605	0.0892
4	3.47	t-Butanol	1907127	0.9634
5	3.94	n-Propanol	2371566	1.0000