Vermont Department of Health Laboratory
Toxicology Program

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Certificate of Analysis of DataMaster External Standard Solution

On 2/20/2009, 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 09-26-080 and an expiration date of 2/20/2010.

On 3/16/2009 and 3/18/2009, 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 0.079 g/210L simulated breath ethanol concentration and approved for use as a DataMaster External Standard solution.

Dated at Burlington, Vermont on Monday, March 23, 2009.

Darcy Richardson

Lot # 09-26-080

Prepared by ALB
Prepared on 2/20/2009

Reviewed - ok
3/23/09

Analyzed on 3/16/09 & 3/18/09
analyzed by DMR and ALB

Target **0.079**

0.0783	0.0824	
0.0785	0.0814	
0.0788	0.0818	
0.0791	0.0822	
0.0794	0.0813	
0.0786	0.0814	
0.0789	0.0817	
0.0779	0.0805	
0.0780	0.0814	
0.0787	0.0822	
0.0772	0.0796	
0.0781	0.0808	
0.0779	0.0812	
0.0784	0.0814	
0.0784	**0.0814**	mean
0.000571	0.000733	std dev

File Name: C:\Methods\BloodAlcohol4.cal
Version: 37

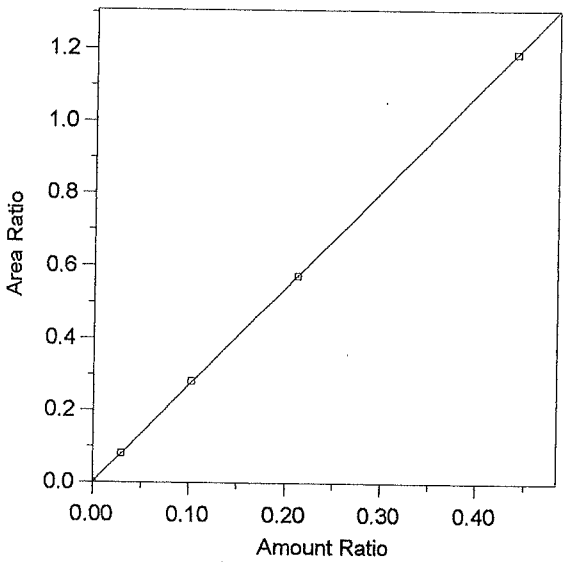
Creator:
Description:
Reason for change:

Internal standard calibration
No injection volume correction
No sample weight correction
Area reject threshold: 5000
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: 2.33 minutes
Search window: 0.08 minutes
Internal standard component: 7 (n-Propanol)
No retention time reference component
Group number: 0

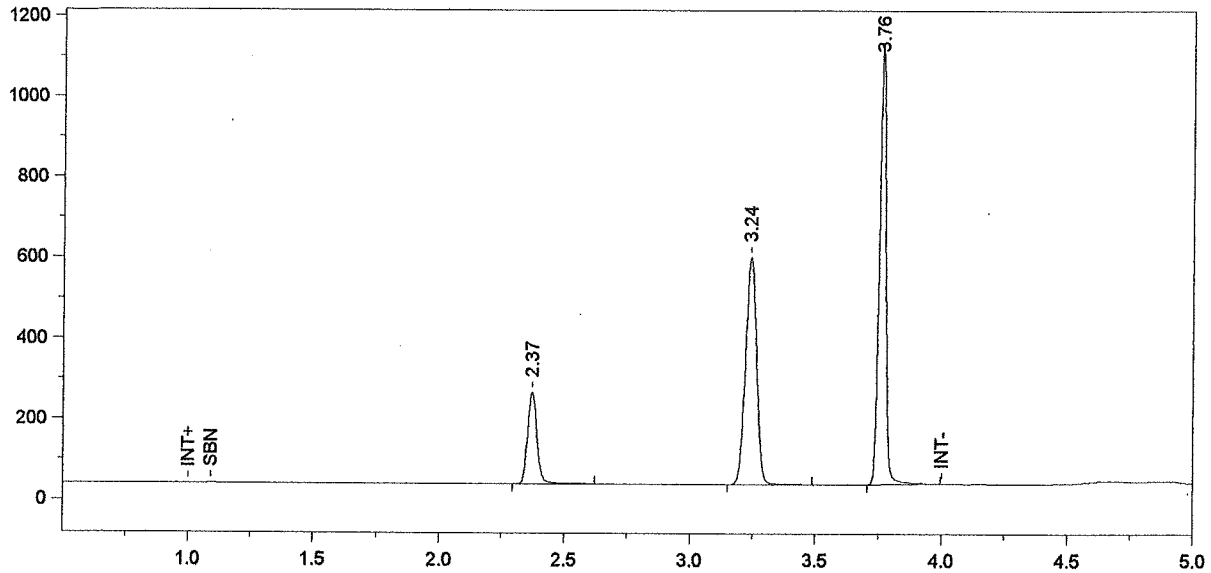
High alarm limit: 0
Low alarm limit: 0
Component constant: 0

Single peak quantification by area

Y = 2.702613 X + 0

Linear fit with equal weighting, forced to origin
Coefficient of determination: 0.9999669
Average error: 0.792%
Average CF: 2.181713
RSD: 55.915%

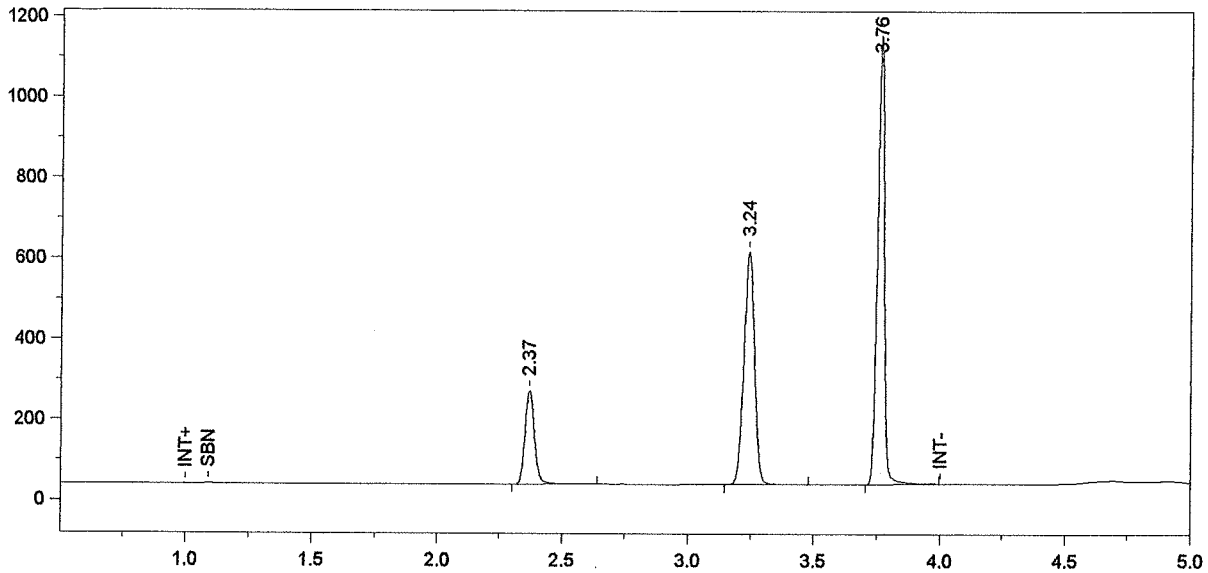
Level	Amount	Response	Cal Factor	Error, %	Amount Ratio	Response Ratio	Source	Date and time
1	0	(0)	--	0.000	0	0	Manual	4/11/2005 10:03:40 AM
2	0.0296	185349.6	6261811	1.920	0.0296	0.0815332	C:\Alcohol Data\Alc031109\Alc031109.0003.BND	3/11/2009 2:17:38 PM
3	0.1022	651314.1	6372937	1.875	0.1022	0.2813868	C:\Alcohol Data\Alc031109\Alc031109.0004.BND	3/11/2009 2:17:46 PM
4	0.212	1290132	6085529	-0.072	0.212	0.5725424	C:\Alcohol Data\Alc031109\Alc031109.0005.BND	3/11/2009 2:17:55 PM
5	0.4402	2627686	5969301	-0.093	0.4402	1.188582	C:\Alcohol Data\Alc031109\Alc031109.0006.BND	3/11/2009 2:20:18 PM



Format File Name = Alcohol4-JFH.met.FMT

Today's Date = 3/16/2009
Today's Time = 6:26:24 PM
Bound File Name = Sim031609.0017.RAW
Sample Name = CCS
Date Taken = 3/16/2009 6:26:22 PM
VDH Headspace Alcohol
Method file = BloodAlcohol4.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 37

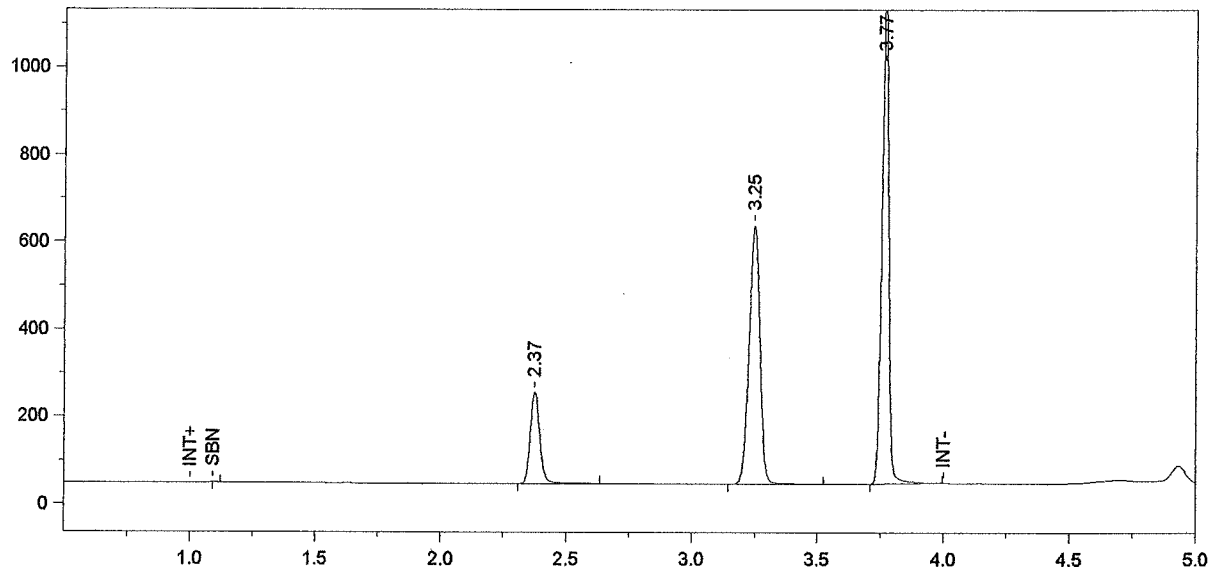
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
1	2.37	Ethanol	596564	0.1054
2	3.24	t-Butanol	1706294	0.9757
3	3.76	n-Propanol	2094073	1.0000



Format File Name = Alcohol4-JFH.met.FMT

Today's Date = 3/16/2009
Today's Time = 6:41:29 PM
Bound File Name = Sim031609.0018.RAW
Sample Name = CCS
Date Taken = 3/16/2009 6:41:22 PM
VDH Headspace Alcohol
Method file = BloodAlcohol4.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 37

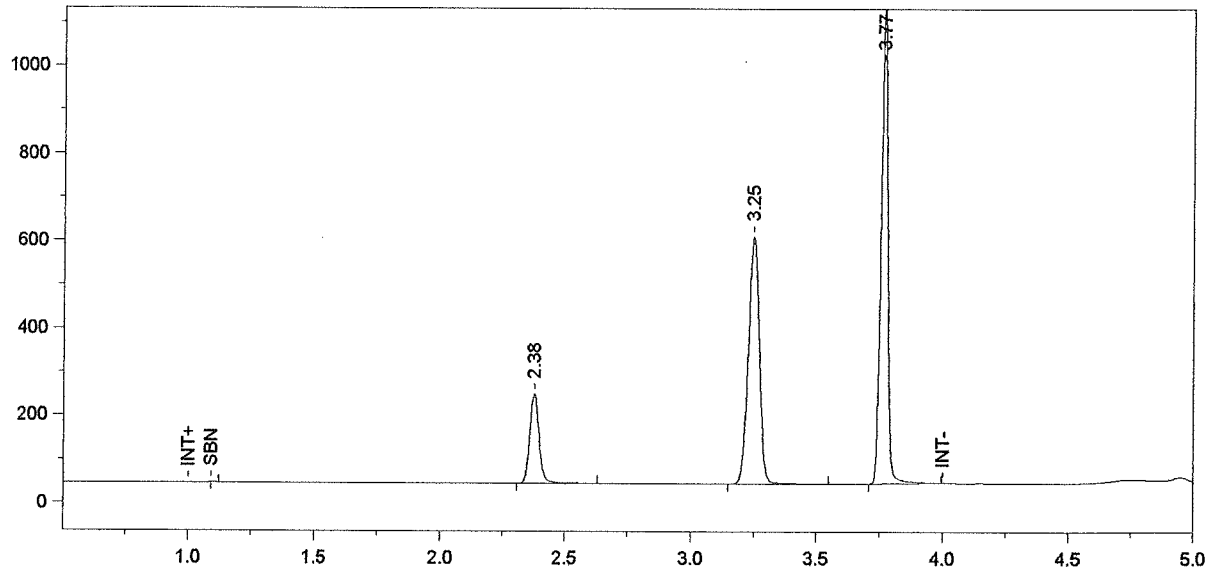
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
1	2.37	Ethanol	608365	0.1053
2	3.24	t-Butanol	1743265	0.9769
3	3.76	n-Propanol	2136800	1.0000



Format File Name = simsoln-JFH.met.FMT

Today's Date = 3/16/2009
Today's Time = 6:56:32 PM
Bound File Name = Sim031609.0019.RAW
Sample Name = 0.08B Simulator Solution ALB
Date Taken = 3/16/2009 6:56:29 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 37

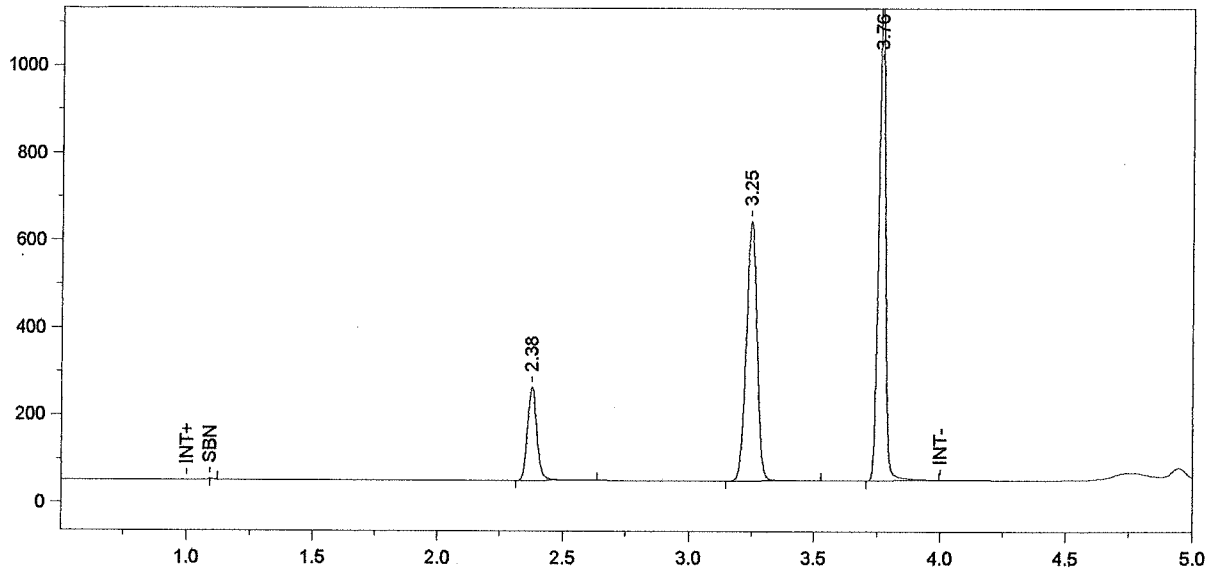
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.37	Ethanol	554514	0.0959	0.0783
3	3.25	t-Butanol	1787373	1.0002	0.8164
4	3.77	n-Propanol	2139845	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 3/16/2009
Today's Time = 7:11:45 PM
Bound File Name = Sim031609.0020.RAW
Sample Name = 0.08B Simulator Solution ALB
Date Taken = 3/16/2009 7:11:37 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 37

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.38	Ethanol	540279	0.0962	0.0785
3	3.25	t-Butanol	1709628	0.9850	0.8040
4	3.77	n-Propanol	2078327	1.0000	0.8162



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Today's Time = 7:26:33 PM
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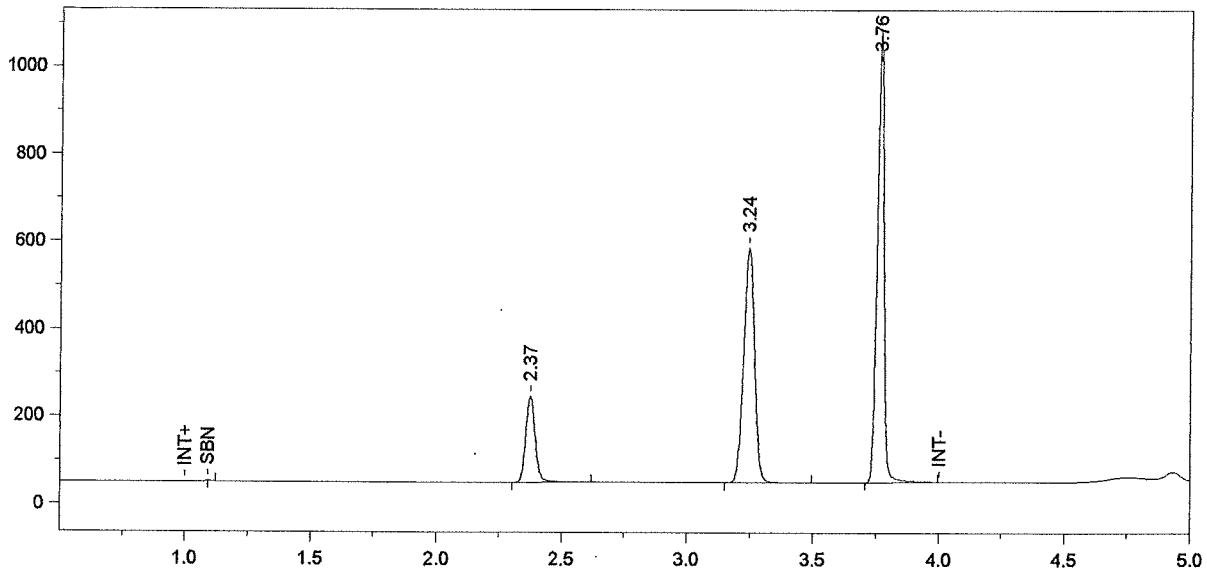
Sample Name = 0.08B Simulator Solution ALB
Date Taken = 3/16/2009 7:26:26 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 37

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.38	Ethanol	562230	0.0966	0.0788
3	3.25	t-Butanol	1792264	0.9963	0.8131
4	3.76	n-Propanol	2154272	1.0000	0.8162



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Today's Time = 7:41:30 PM
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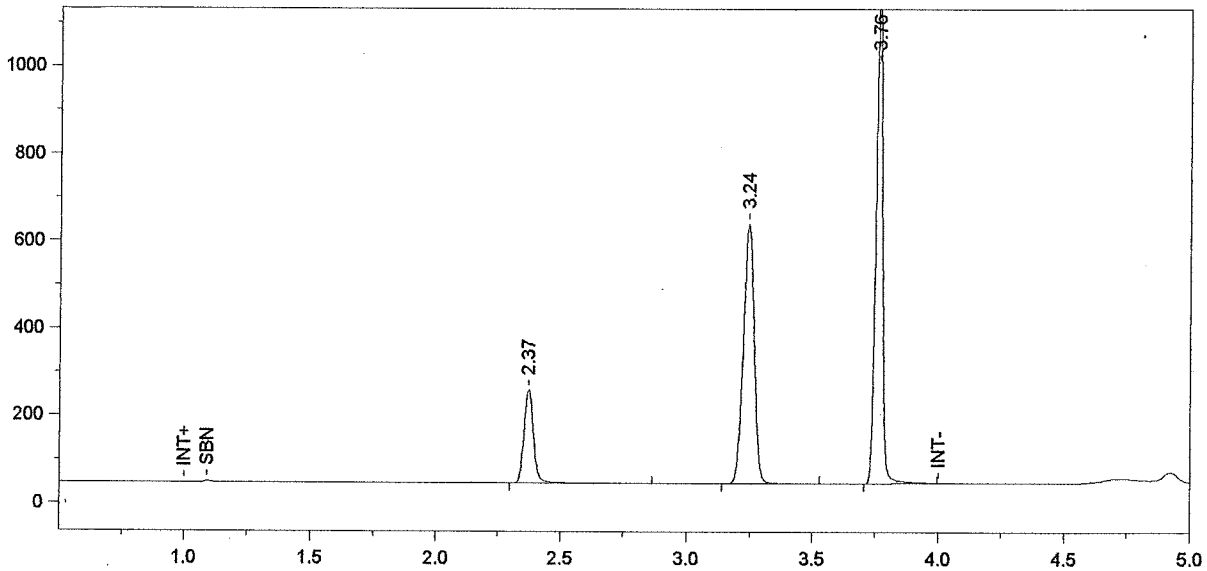
Sample Name = 0.08B Simulator Solution ALB
Date Taken = 3/16/2009 7:41:27 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 37

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.37	Ethanol	518381	0.0970	0.0791
3	3.24	t-Butanol	1627299	0.9852	0.8041
4	3.76	n-Propanol	1978017	1.0000	0.8162



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Today's Time = 7:56:40 PM
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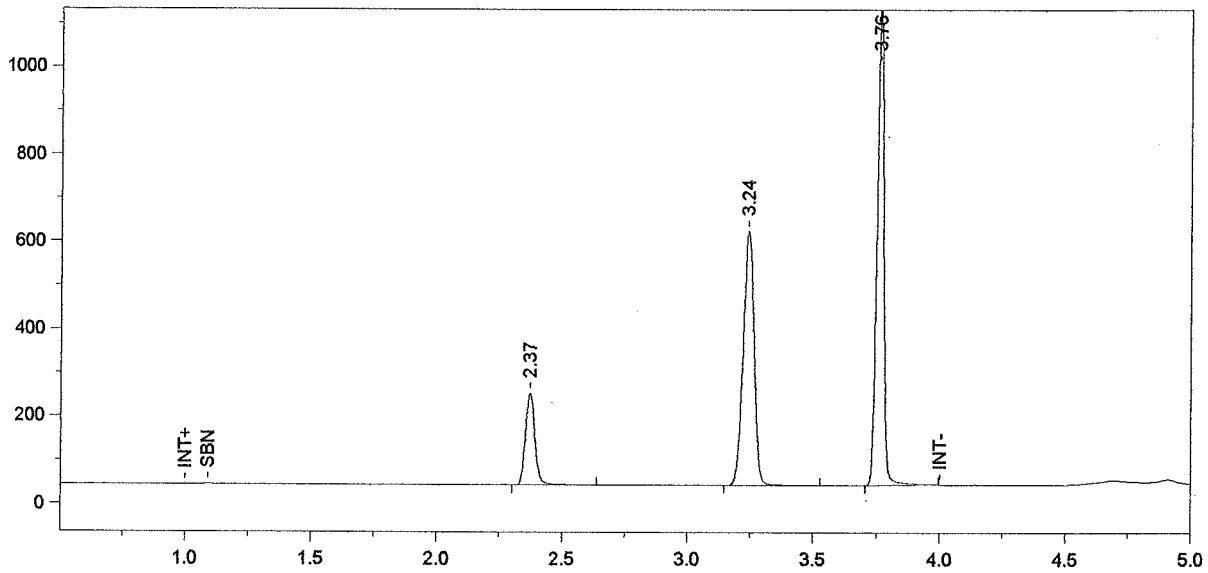
Sample Name = 0.08B Simulator Solution ALB
Date Taken = 3/16/2009 7:56:29 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 37

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.37	Ethanol	568526	0.0973	0.0794
2	3.24	t-Butanol	1803664	0.9989	0.8153
3	3.76	n-Propanol	2162254	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

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Today's Time = 8:11:36 PM
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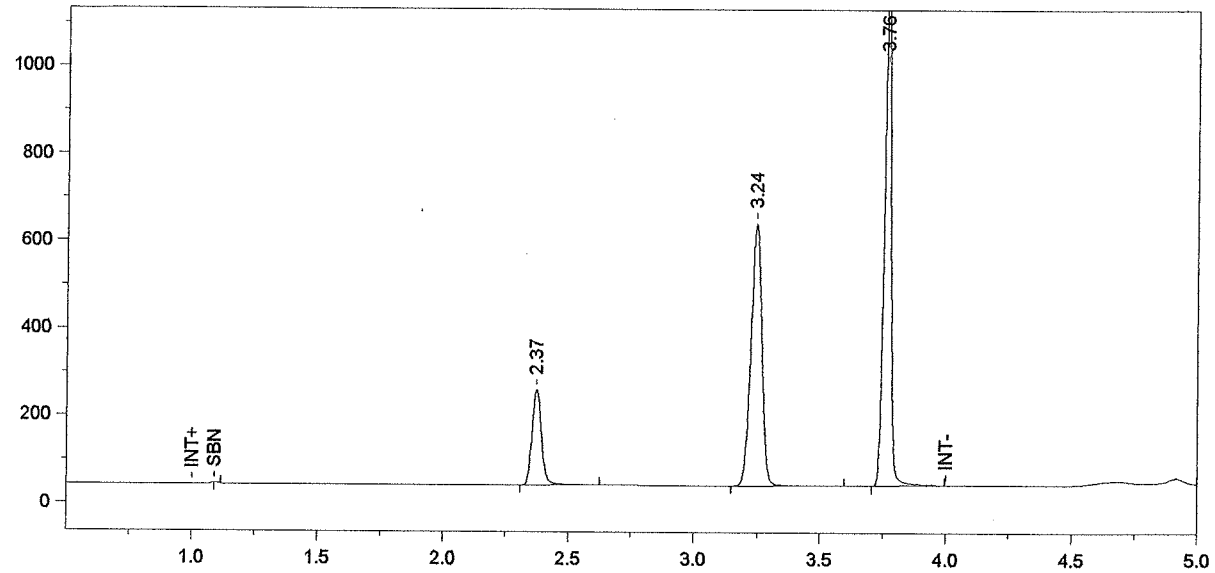
Sample Name = 0.08B Simulator Solution ALB
Date Taken = 3/16/2009 8:11:30 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 37

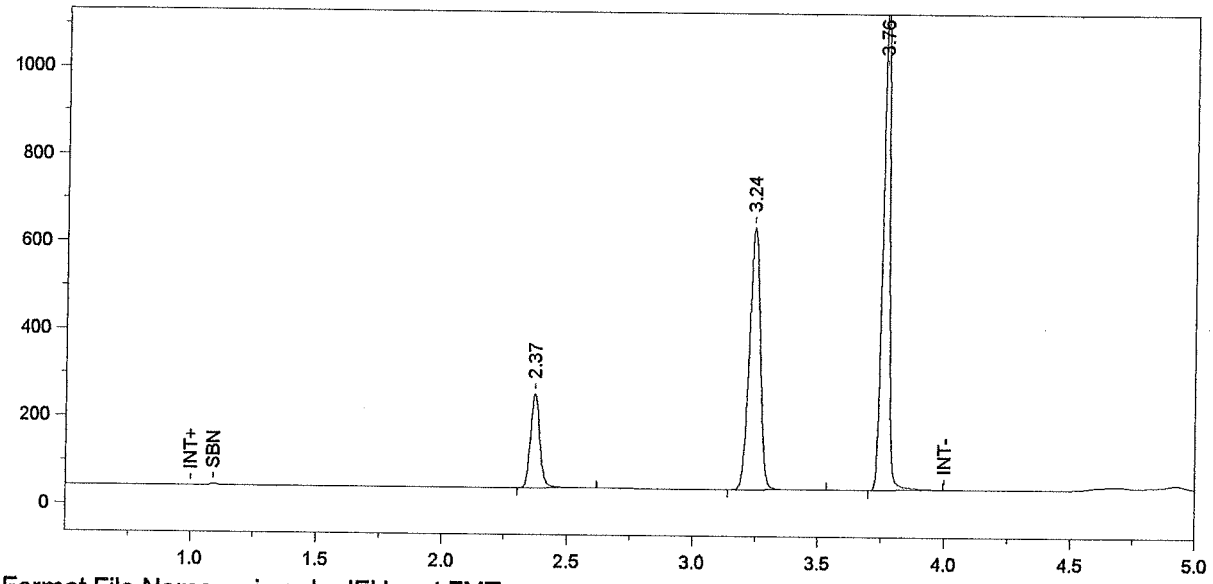
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.37	Ethanol	552885	0.0963	0.0786
2	3.24	t-Butanol	1763697	0.9941	0.8114
3	3.76	n-Propanol	2124529	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 3/16/2009
Today's Time = 8:26:39 PM
Bound File Name = Sim031609.0025.RAW
Sample Name = 0.08B Simulator Solution ALB
Date Taken = 3/16/2009 8:26:33 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 37

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.37	Ethanol	575525	0.0967	0.0789
3	3.24	t-Butanol	1814162	0.9860	0.8048
4	3.76	n-Propanol	2203216	1.0000	0.8162



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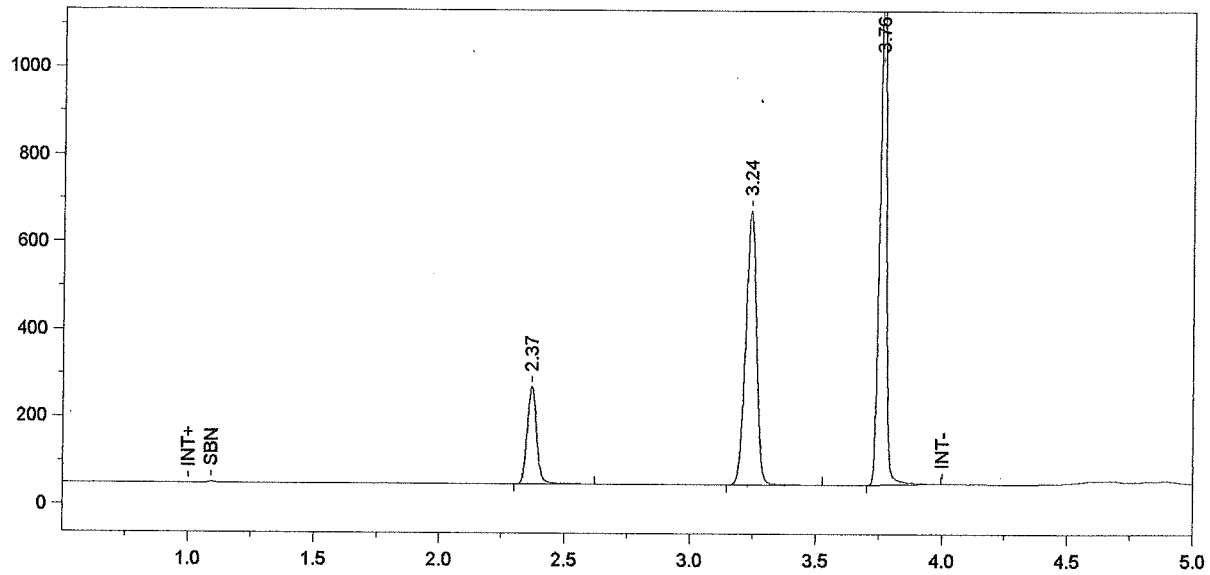
Today's Time = 8:41:42 PM
Bound File Name = Sim031609.0026.RAW
Sample Name = 0.08B Simulator Solution DMR
Date Taken = 3/16/2009 8:41:34 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 37

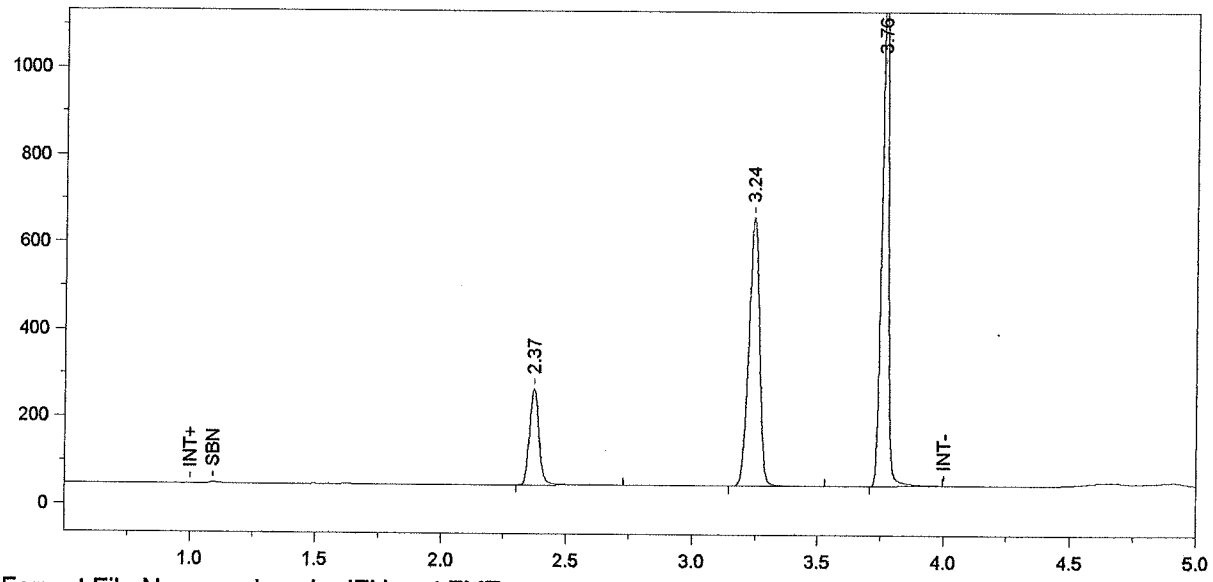
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.37	Ethanol	565011	0.0955	0.0779
2	3.24	t-Butanol	1821675	0.9964	0.8132
3	3.76	n-Propanol	2189336	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 3/16/2009
Today's Time = 8:56:42 PM
Bound File Name = Sim031609.0027.RAW
Sample Name = 0.08B Simulator Solution DMR
Date Taken = 3/16/2009 8:56:35 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 37

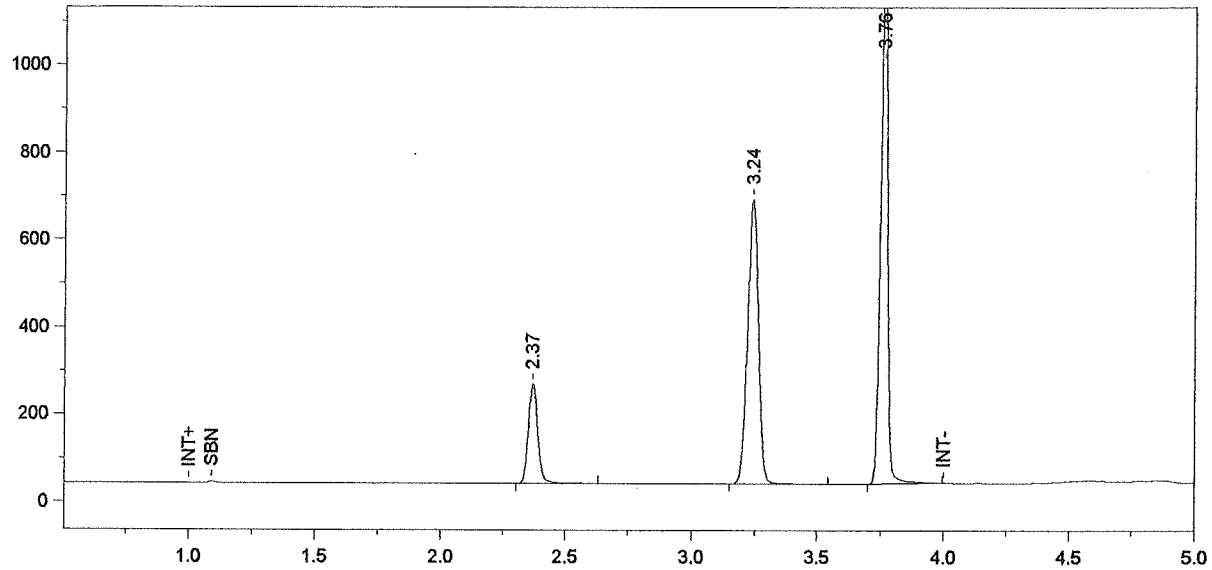
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.37	Ethanol	585465	0.0956	0.0780
2	3.24	t-Butanol	1897546	1.0025	0.8182
3	3.76	n-Propanol	2266603	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 3/16/2009
Today's Time = 9:11:41 PM
Bound File Name = Sim031609.0028.RAW
Sample Name = 0.08B Simulator Solution DMR
Date Taken = 3/16/2009 9:11:37 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 37

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.37	Ethanol	580310	0.0964	0.0787
2	3.24	t-Butanol	1861107	1.0003	0.8165
3	3.76	n-Propanol	2227925	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

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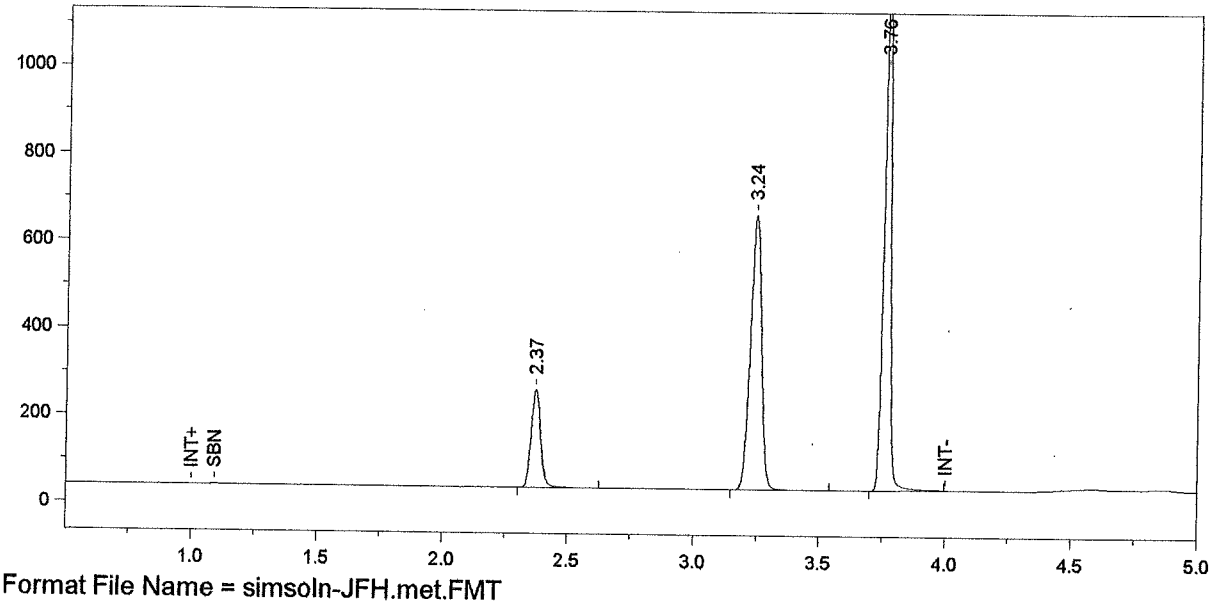
Today's Time = 9:26:39 PM
Bound File Name = Sim031609.0029.RAW
Sample Name = 0.08B Simulator Solution DMR
Date Taken = 3/16/2009 9:26:38 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 37

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.37	Ethanol	597565	0.0946	0.0772
2	3.24	t-Butanol	1962194	1.0055	0.8207
3	3.76	n-Propanol	2336881	1.0000	0.8162



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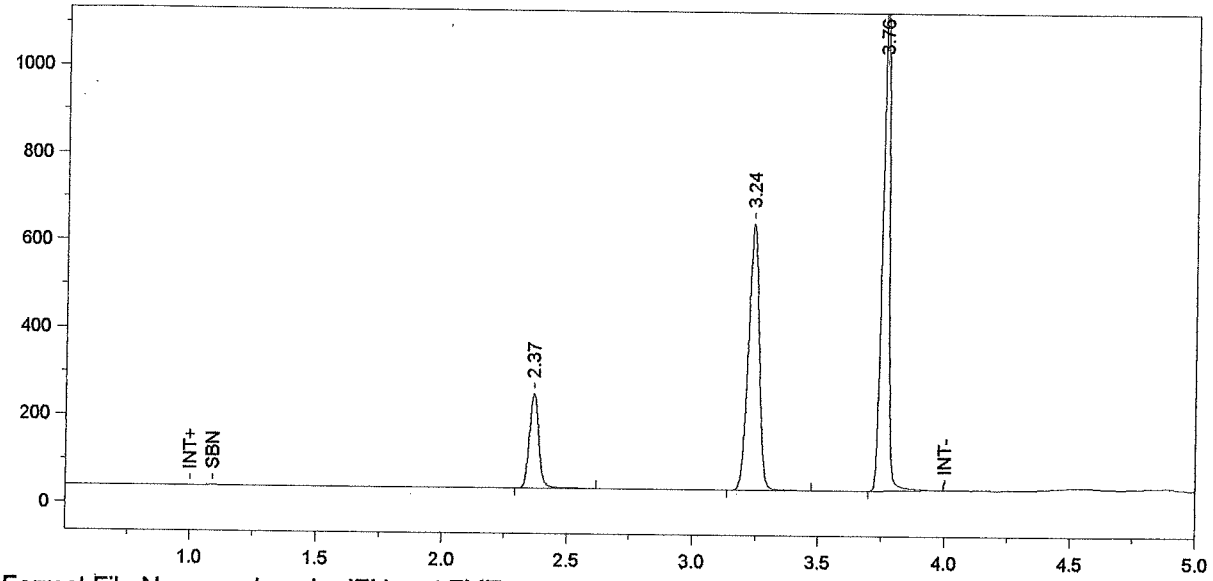
Sample Name = 0.08B Simulator Solution DMR
Date Taken = 3/16/2009 9:41:38 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 37

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.37	Ethanol	590091	0.0957	0.0781
2	3.24	t-Butanol	1906559	1.0004	0.8165
3	3.76	n-Propanol	2282187	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

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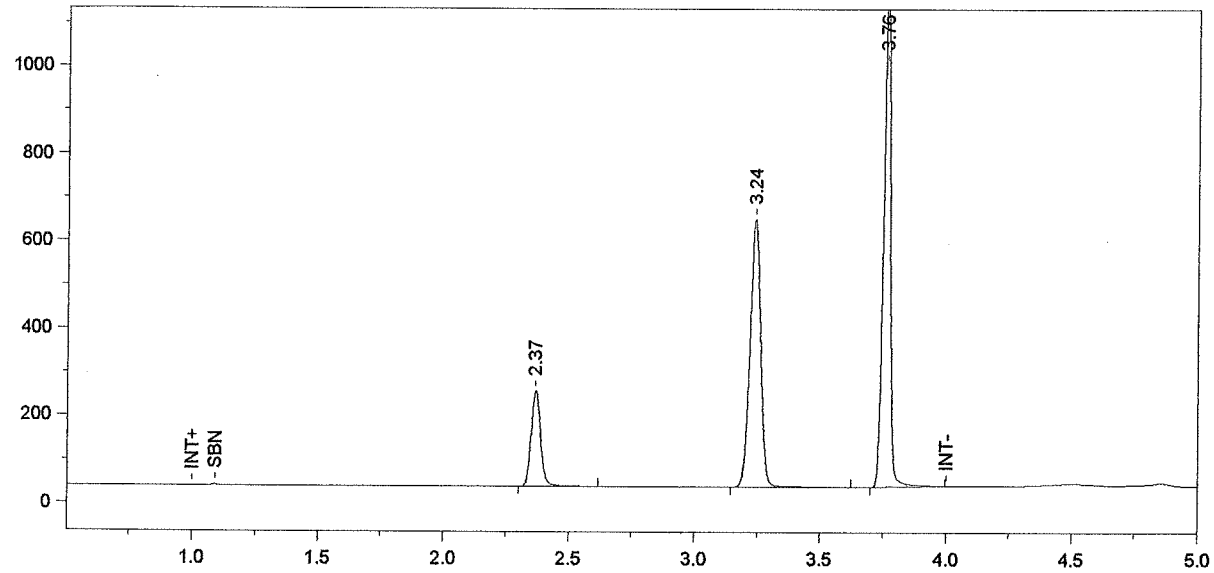
Today's Time = 9:56:59 PM
Bound File Name = Sim031609.0031.RAW
Sample Name = 0.08B Simulator Solution DMR
Date Taken = 3/16/2009 9:56:51 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 37

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.37	Ethanol	569412	0.0954	0.0779
2	3.24	t-Butanol	1845493	1.0005	0.8166
3	3.76	n-Propanol	2208815	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

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Today's Time = 10:11:57 PM
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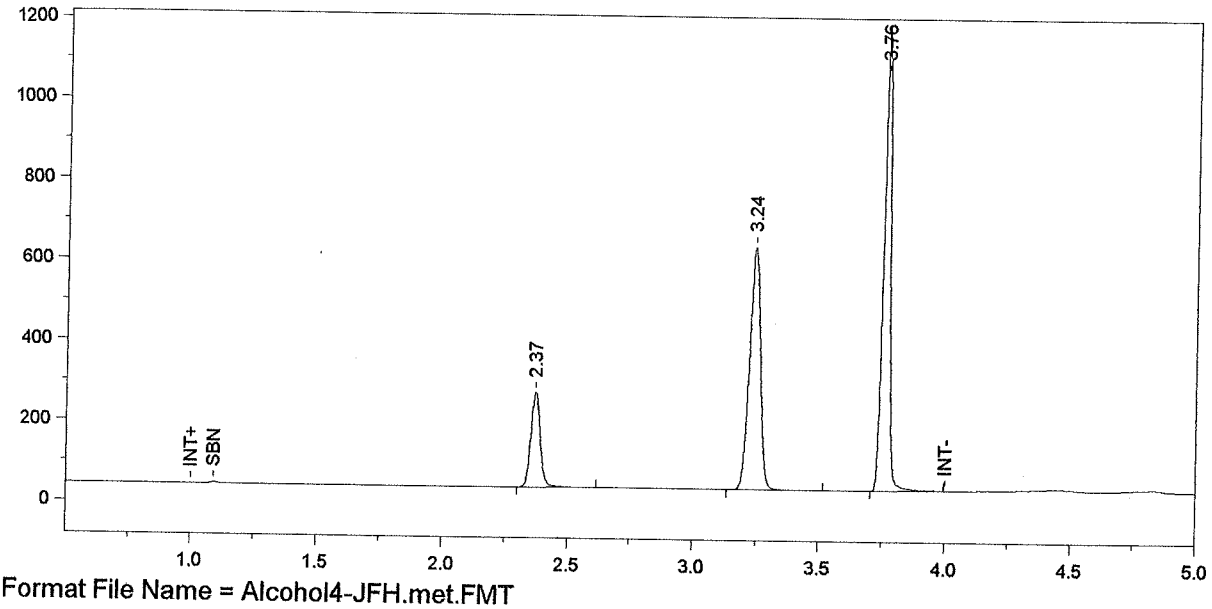
Sample Name = 0.08B Simulator Solution DMR
Date Taken = 3/16/2009 10:11:52 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 37

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
1	2.37	Ethanol	574622	0.0960	0.0784
2	3.24	t-Butanol	1847503	0.9990	0.8154
3	3.76	n-Propanol	2214459	1.0000	0.8162



Format File Name = Alcohol4-JFH.met.FMT

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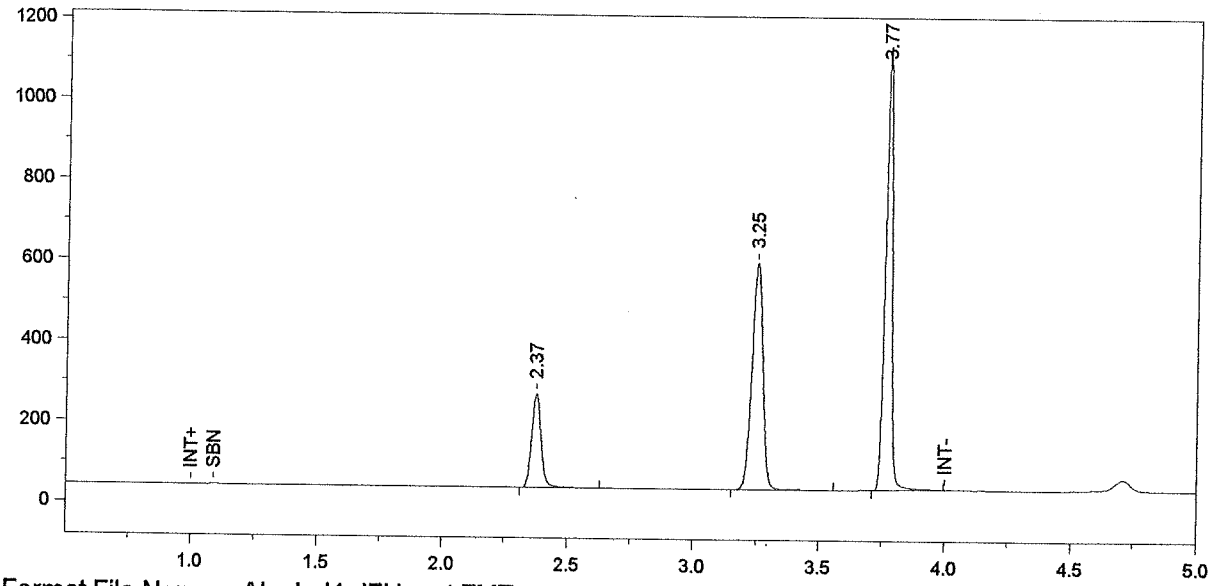
Today's Time = 10:26:44 PM
Bound File Name = Sim031609.0033.RAW
Sample Name = CCS
Date Taken = 3/16/2009 10:26:41 PM
VDH Headspace Alcohol
Method file = BloodAlcohol4.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 37

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
1	2.37	Ethanol	615737	0.1039
2	3.24	t-Butanol	1816303	0.9917
3	3.76	n-Propanol	2193289	1.0000



Format File Name = Alcohol4-JFH.met.FMT

Today's Date = 3/16/2009
Today's Time = 10:41:51 PM
Bound File Name = Sim031609.0034.RAW
Sample Name = CCS
Date Taken = 3/16/2009 10:41:44 PM
VDH Headspace Alcohol
Method file = BloodAlcohol4.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 37

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
1	2.37	Ethanol	610124	0.1069
2	3.25	t-Butanol	1702451	0.9650
3	3.77	n-Propanol	2112637	1.0000

File Name: C:\Methods\BloodAlcohol4.cal
Version: 44

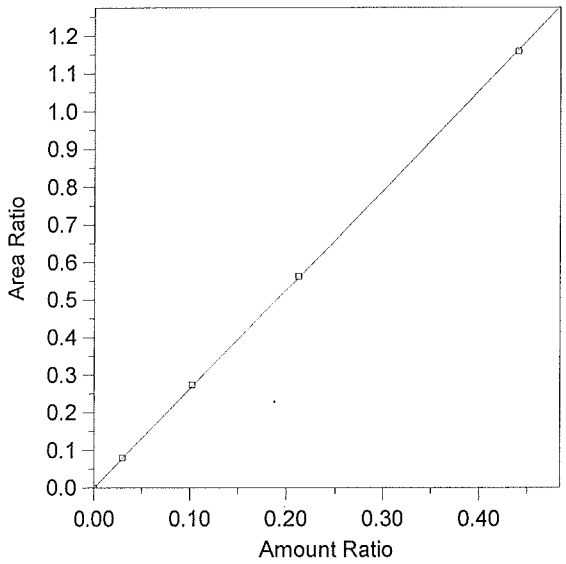
Creator:
Description:
Reason for change:

Internal standard calibration
No injection volume correction
No sample weight correction
Area reject threshold: 5000
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:	2.374 minutes
Search window:	0.08 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

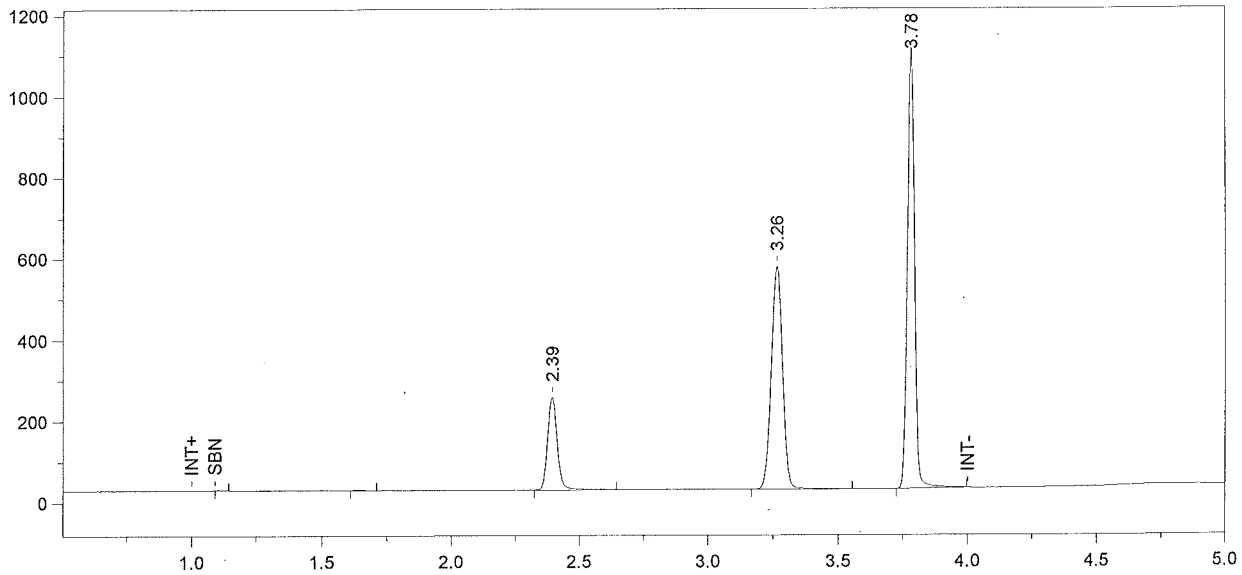
Single peak quantification by area

Y = 2.638758 X + 0

Linear fit with equal weighting, forced to origin

Coefficient of determination:	0.9999501
Average error:	1.057%
Average CF:	2.136426
RSD:	55.919%

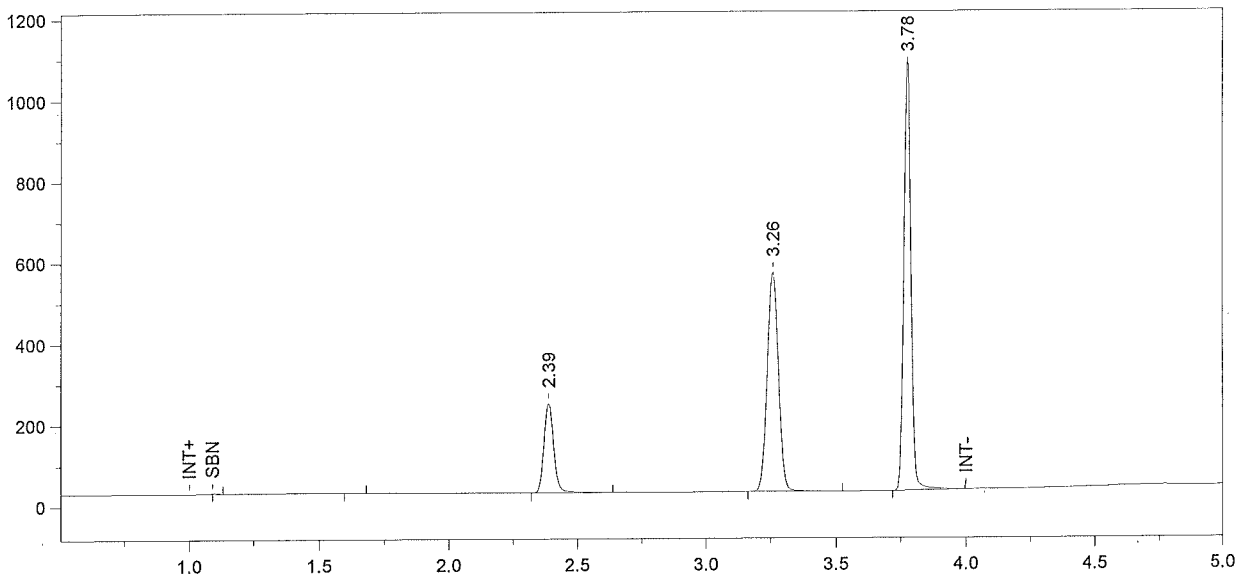
Level	Amount	Response	Cal Factor	Error, %	Amount Ratio	Response Ratio	Source	Date and time
1	0	(0)	--	0.000	0	0	Manual	4/11/2005 10:03:40 AM
2	0.0296	176159.3	5951328	2.742	0.0296	8.024881E-02	C:\Alcohol Data\Sim031809\Sim031809.0003.BND	3/18/2009 5:13:41 PM
3	0.1022	612196.9	5990185	1.763	0.1022	0.2744346	C:\Alcohol Data\Sim031809\Sim031809.0004.BND	3/18/2009 5:28:46 PM
4	0.212	1279472	6035246	0.546	0.212	0.562473	C:\Alcohol Data\Sim031809\Sim031809.0005.BND	3/18/2009 5:43:47 PM
5	0.4402	2716463	6170975	-0.234	0.4402	1.158862	C:\Alcohol Data\Sim031809\Sim031809.0006.BND	3/18/2009 5:58:43 PM



Format File Name = Alcohol4-JFH.met.FMT

Today's Date = 3/19/2009
Today's Time = 4:17:42 PM
Bound File Name = Sim031809.0021.RAW
Sample Name = CCS
Date Taken = 3/19/2009 7:31:13 AM
VDH Headspace Alcohol
Method file = BloodAlcohol4.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 44

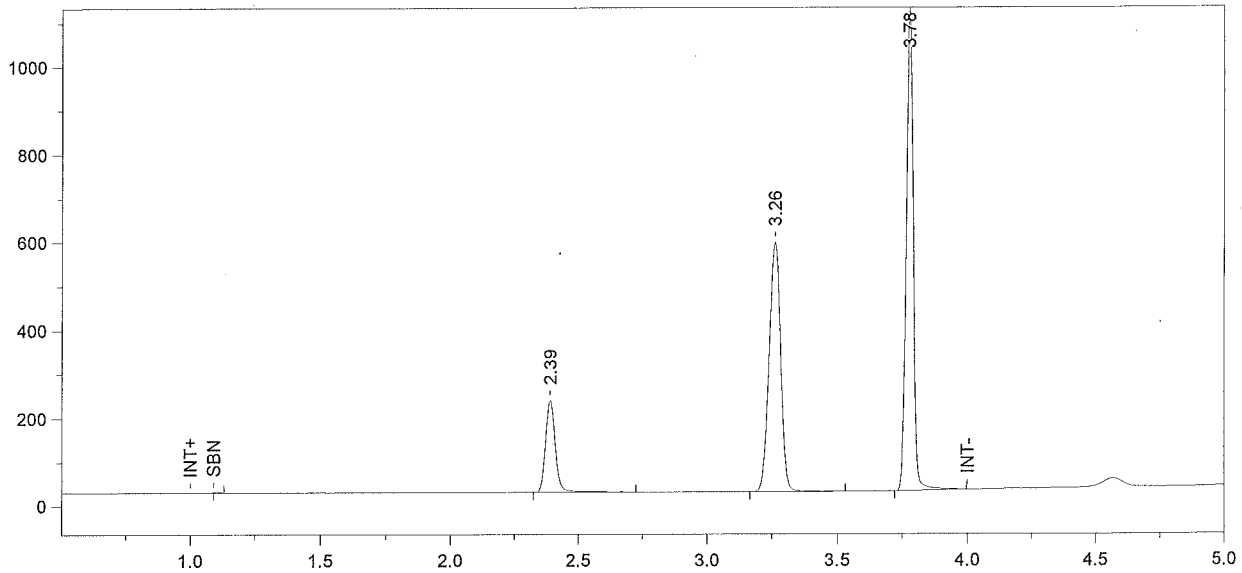
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.39	Ethanol	598925	0.1105
4	3.26	t-Butanol	1651758	0.9600
5	3.78	n-Propanol	2053444	1.0000



Format File Name = Alcohol4-JFH.met.FMT

Today's Date = 3/19/2009
Today's Time = 4:17:46 PM
Bound File Name = Sim031809.0022.RAW
Sample Name = CCS
Date Taken = 3/19/2009 7:58:18 AM
VDH Headspace Alcohol
Method file = BloodAlcohol4.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 44

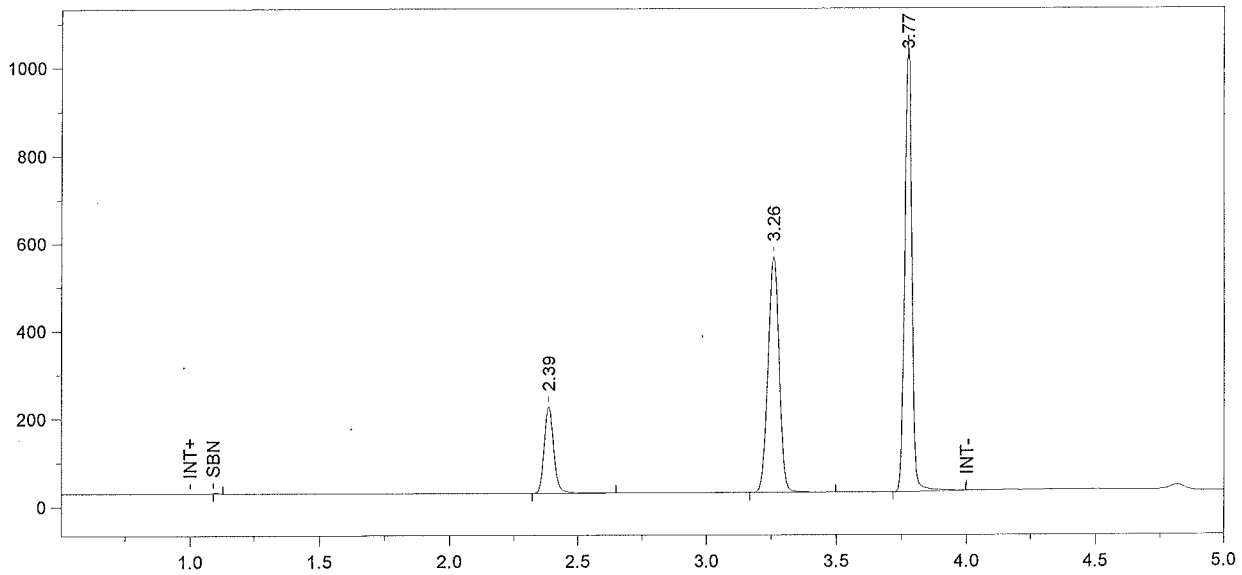
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.39	Ethanol	578640	0.1099
4	3.26	t-Butanol	1627141	0.9730
5	3.78	n-Propanol	1995703	1.0000



Format File Name = simsoln-JFH.met.FMT

Today's Date = 3/19/2009
Today's Time = 4:17:51 PM
Bound File Name = Sim031809.0023.RAW
Sample Name = 0.08B Simulator Solution ALB
Date Taken = 3/19/2009 8:36:45 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 44

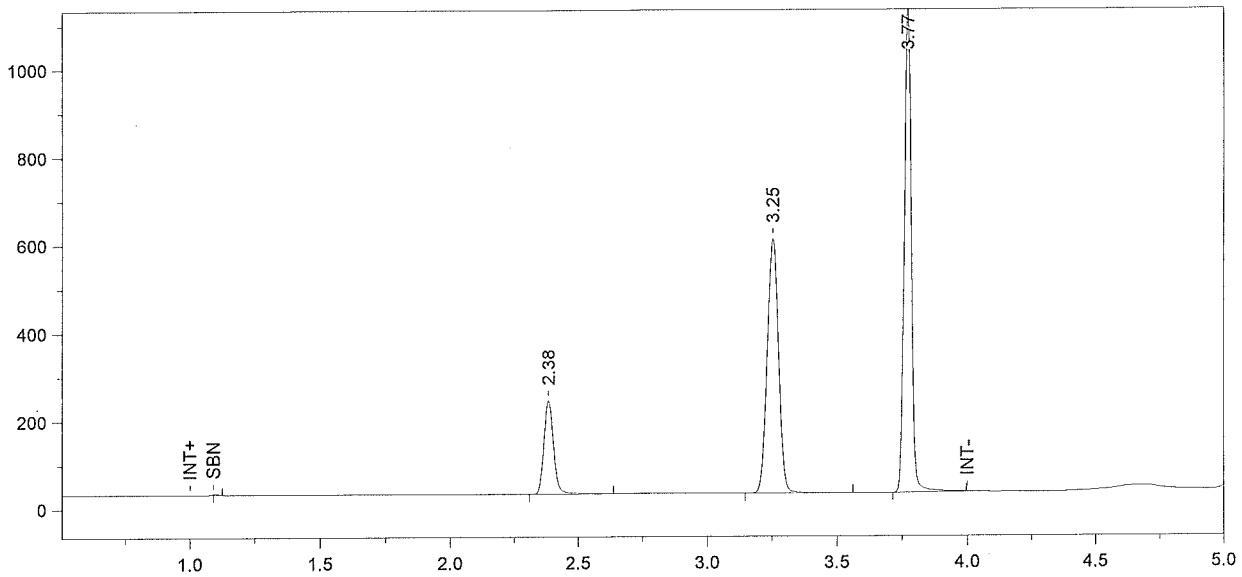
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.39	Ethanol	553643	0.1009	0.0824
3	3.26	t-Butanol	1701785	0.9768	0.7973
4	3.78	n-Propanol	2079248	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 3/19/2009
Today's Time = 4:17:55 PM
Bound File Name = Sim031809.0024.RAW
Sample Name = 0.08B Simulator Solution ALB
Date Taken = 3/19/2009 9:03:51 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 44

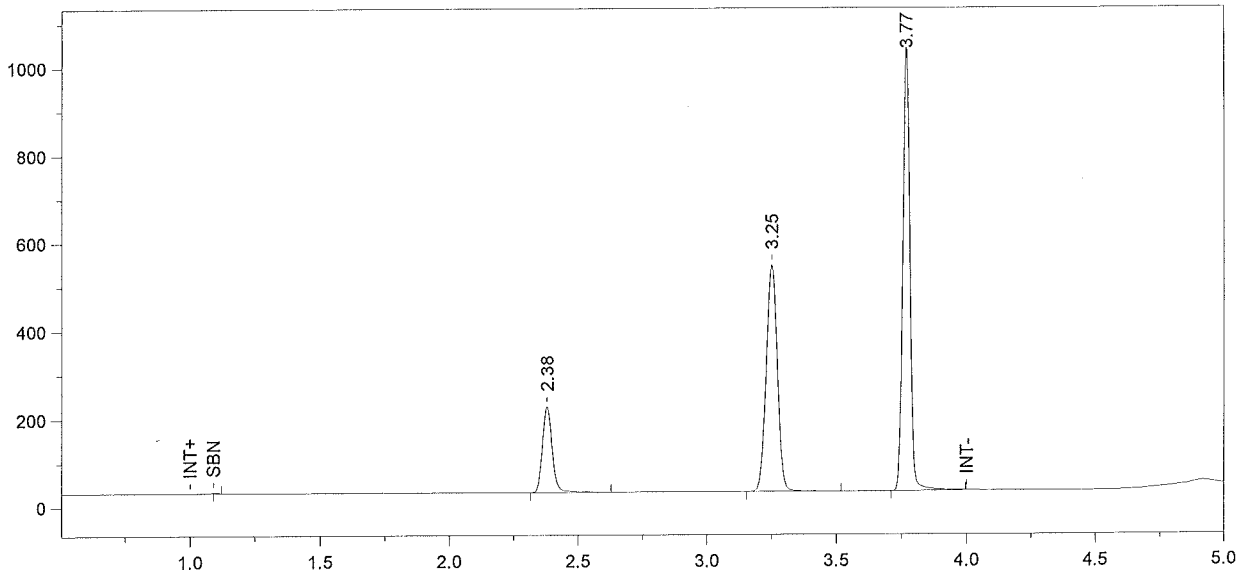
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.39	Ethanol	515684	0.0997	0.0814
3	3.26	t-Butanol	1611233	0.9812	0.8008
4	3.77	n-Propanol	1959827	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 3/19/2009
Today's Time = 4:17:58 PM
Bound File Name = Sim031809.0025.RAW
Sample Name = 0.08B Simulator Solution ALB
Date Taken = 3/19/2009 9:18:54 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 44

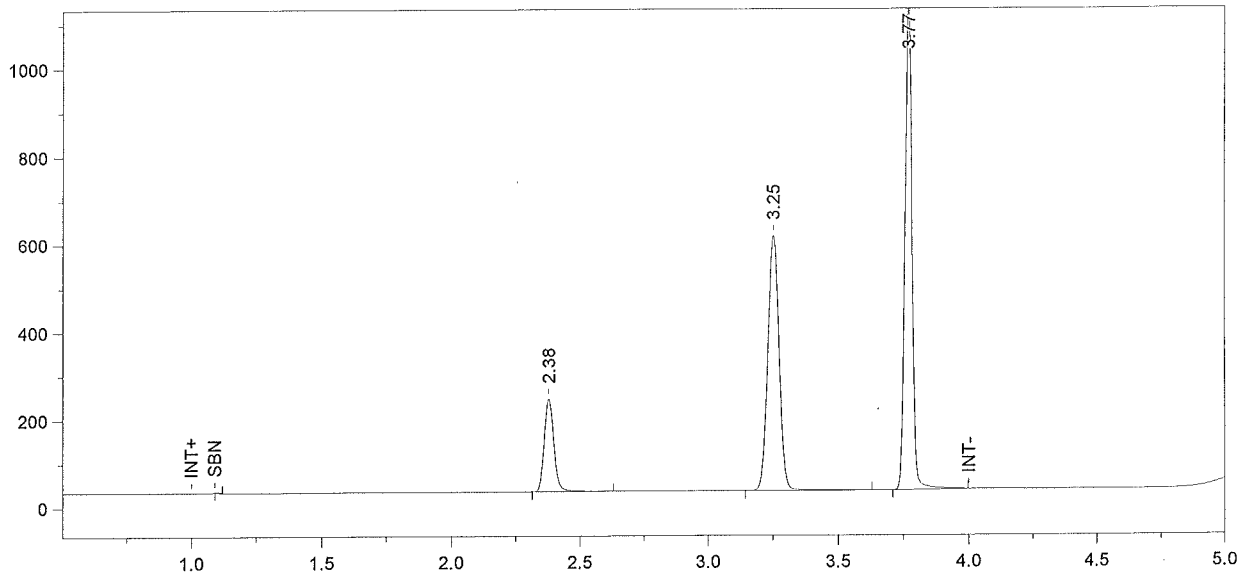
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.38	Ethanol	559845	0.1002	0.0818
3	3.25	t-Butanol	1733378	0.9772	0.7976
4	3.77	n-Propanol	2116856	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 3/19/2009
Today's Time = 4:18:03 PM
Bound File Name = Sim031809.0026.RAW
Sample Name = 0.08B Simulator Solution ALB
Date Taken = 3/19/2009 9:33:56 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 44

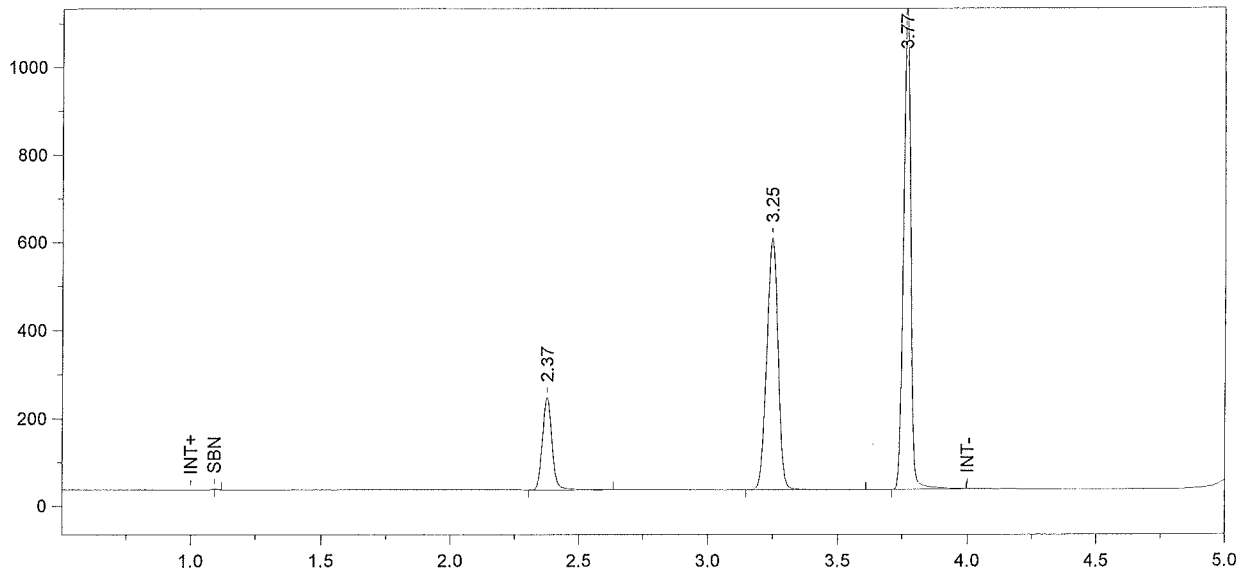
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.38	Ethanol	512357	0.1007	0.0822
3	3.25	t-Butanol	1548258	0.9587	0.7825
4	3.77	n-Propanol	1927321	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 3/19/2009
Today's Time = 4:18:06 PM
Bound File Name = Sim031809.0027.RAW
Sample Name = 0.08B Simulator Solution ALB
Date Taken = 3/19/2009 9:48:57 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 44

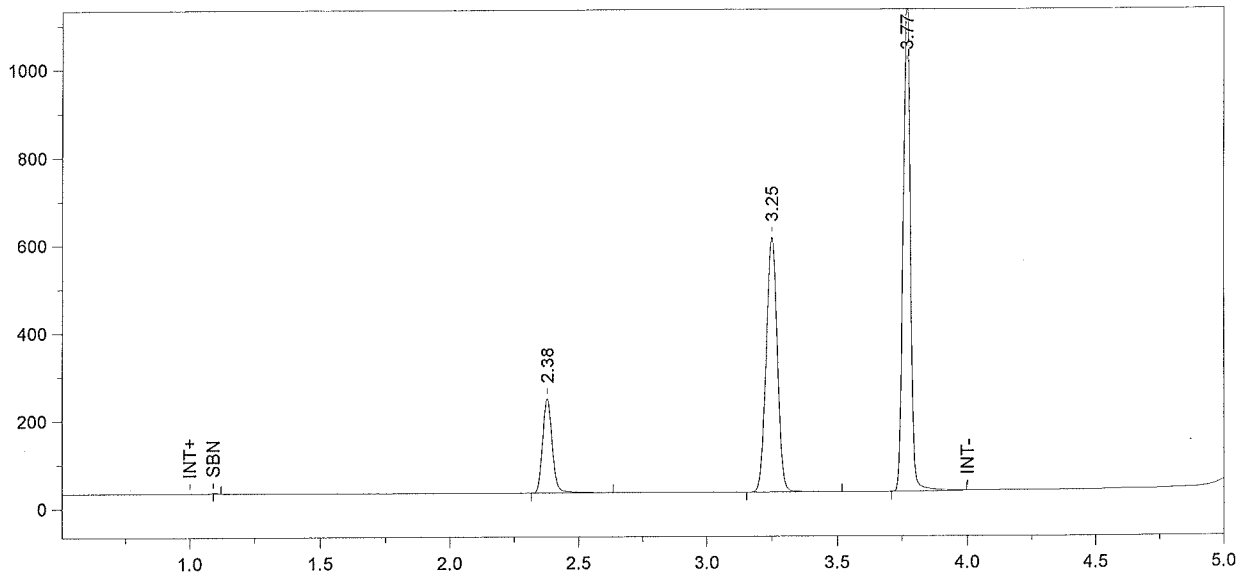
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.38	Ethanol	557726	0.0996	0.0813
3	3.25	t-Butanol	1749995	0.9846	0.8036
4	3.77	n-Propanol	2121275	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 3/19/2009
Today's Time = 4:18:10 PM
Bound File Name = Sim031809.0028.RAW
Sample Name = 0.08B Simulator Solution ALB
Date Taken = 3/19/2009 10:03:59 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 44

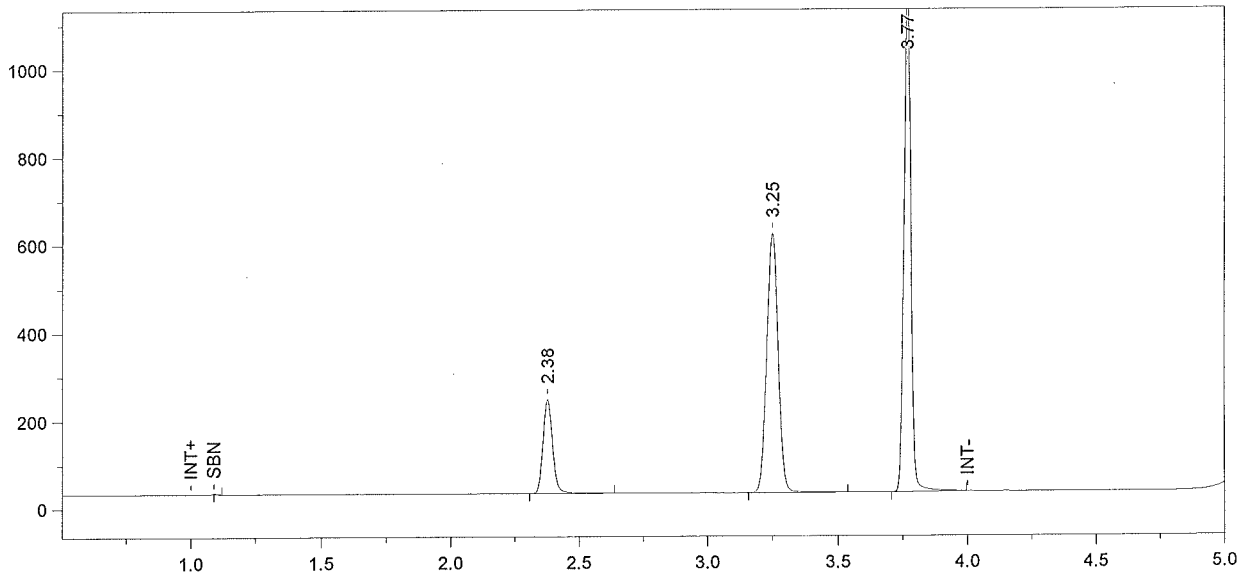
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.37	Ethanol	553254	0.0997	0.0814
3	3.25	t-Butanol	1720002	0.9763	0.7969
4	3.77	n-Propanol	2102482	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 3/19/2009
Today's Time = 4:18:13 PM
Bound File Name = Sim031809.0029.RAW
Sample Name = 0.08B Simulator Solution ALB
Date Taken = 3/19/2009 10:19:00 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 44

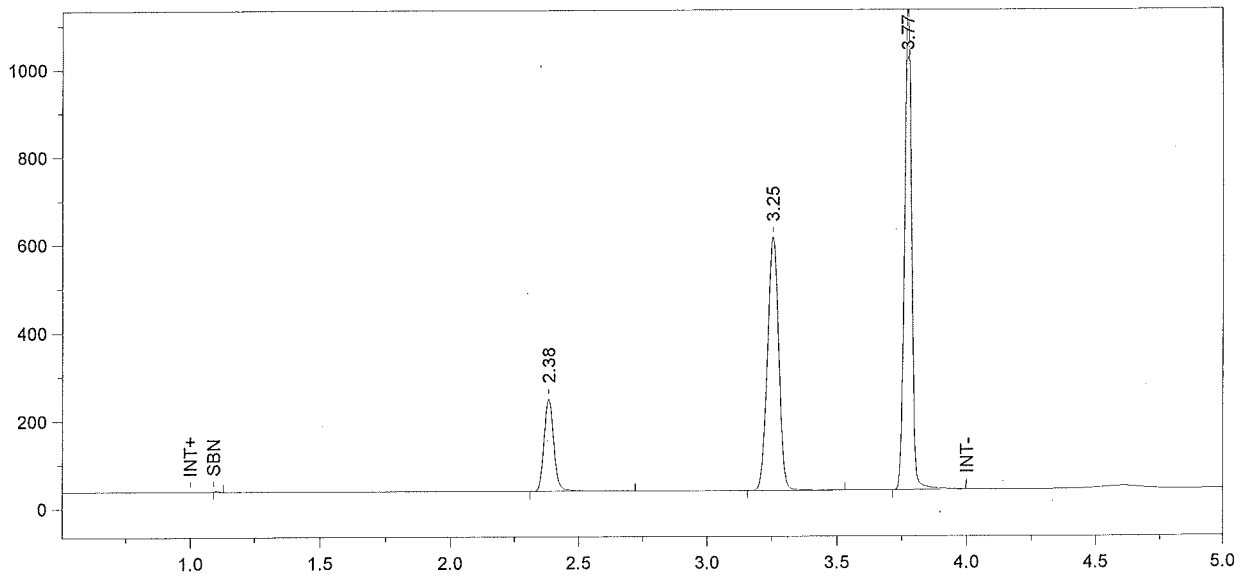
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.38	Ethanol	564176	0.1001	0.0817
3	3.25	t-Butanol	1751618	0.9784	0.7986
4	3.77	n-Propanol	2136588	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 3/19/2009
Today's Time = 4:18:17 PM
Bound File Name = Sim031809.0030.RAW
Sample Name = 0.08B Simulator Solution DMR
Date Taken = 3/19/2009 10:34:00 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 44

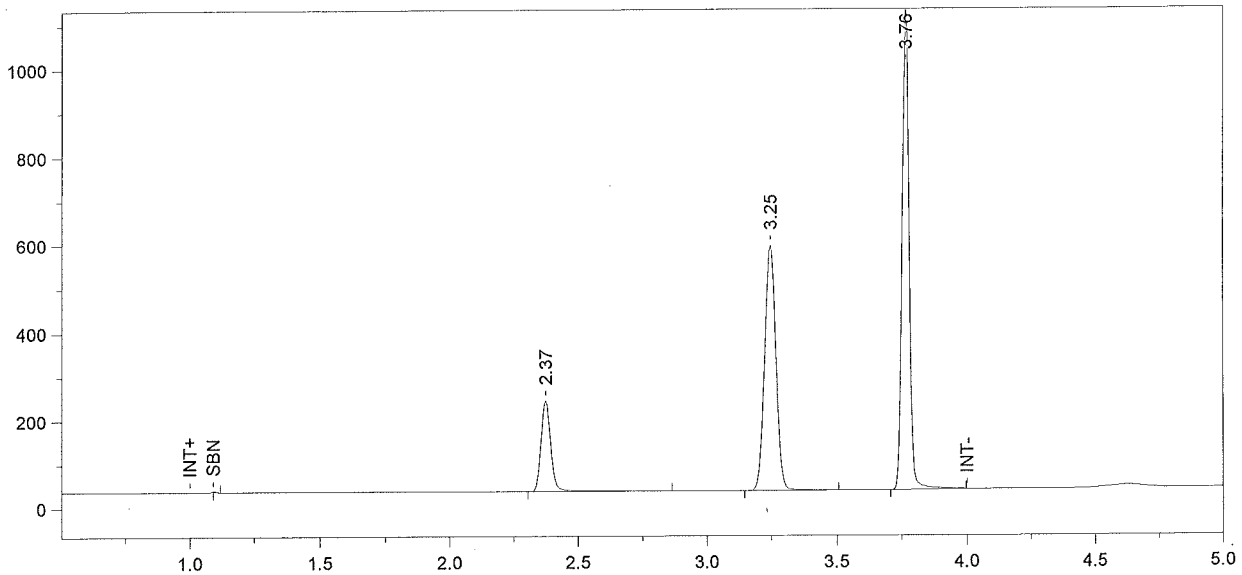
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.38	Ethanol	563162	0.0987	0.0805
3	3.25	t-Butanol	1778358	0.9814	0.8010
4	3.77	n-Propanol	2162609	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 3/19/2009
Today's Time = 4:18:20 PM
Bound File Name = Sim031809.0031.RAW
Sample Name = 0.08B Simulator Solution DMR
Date Taken = 3/19/2009 11:55:26 AM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 44

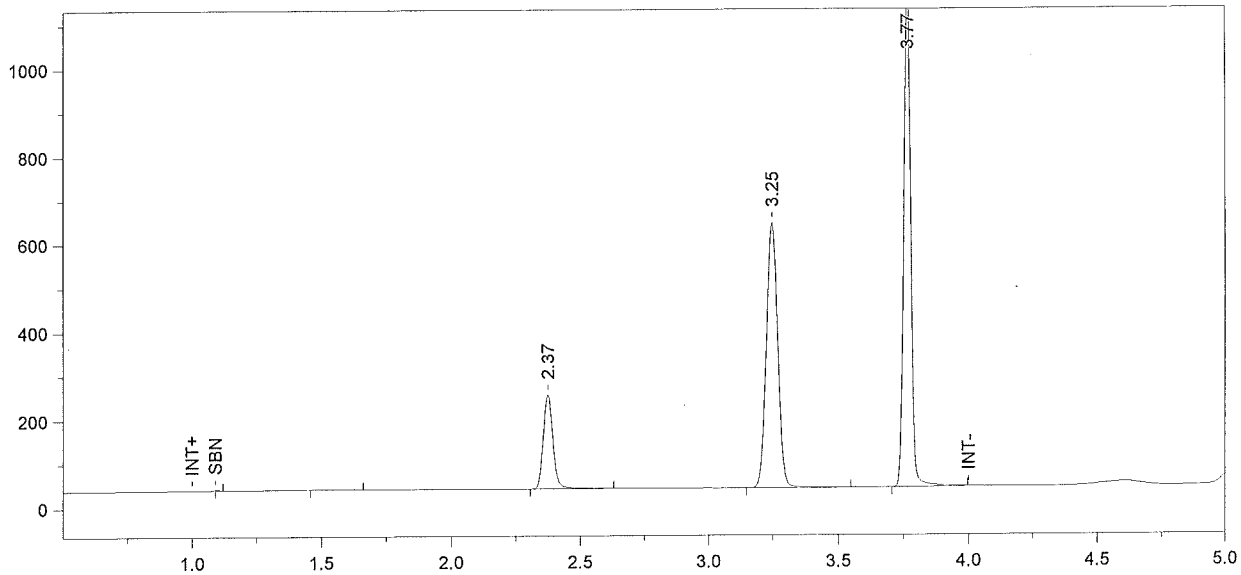
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.38	Ethanol	554534	0.0997	0.0814
3	3.25	t-Butanol	1727767	0.9785	0.7987
4	3.77	n-Propanol	2107286	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 3/19/2009
Today's Time = 4:18:24 PM
Bound File Name = Sim031809.0032.RAW
Sample Name = 0.08B Simulator Solution DMR
Date Taken = 3/19/2009 12:09:52 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 44

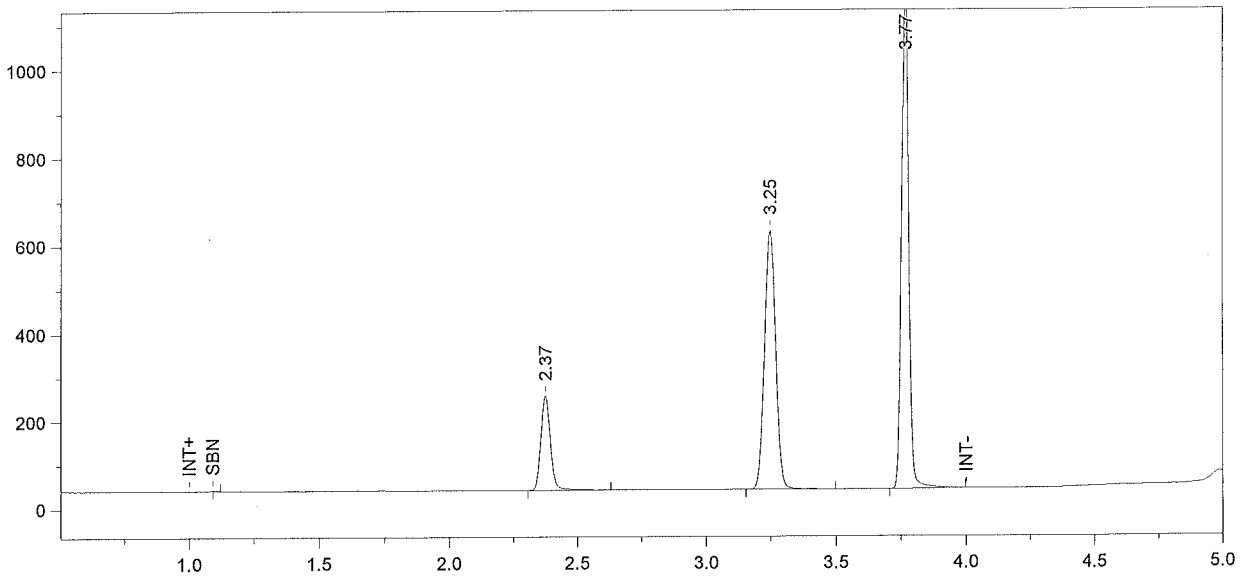
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.37	Ethanol	550729	0.1008	0.0822
3	3.25	t-Butanol	1675668	0.9655	0.7880
4	3.76	n-Propanol	2071354	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 3/19/2009
Today's Time = 4:18:27 PM
Bound File Name = Sim031809.0033.RAW
Sample Name = 0.08B Simulator Solution DMR
Date Taken = 3/19/2009 12:24:53 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 44

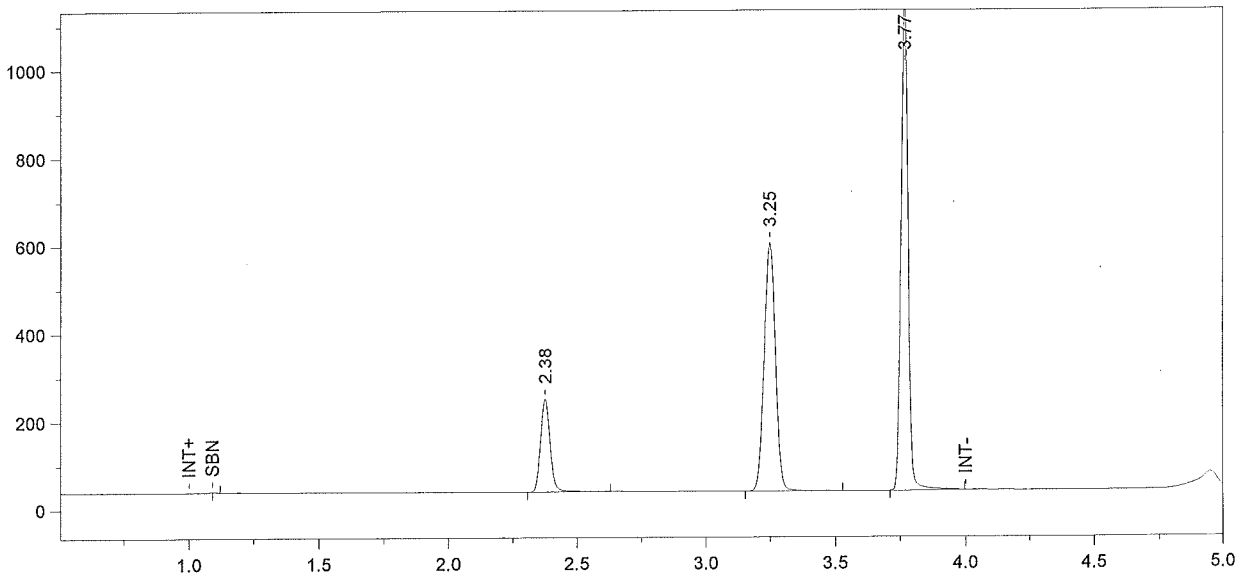
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	2.37	Ethanol	562142	0.0975	0.0796
4	3.25	t-Butanol	1809437	0.9884	0.8067
5	3.77	n-Propanol	2184774	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 3/19/2009
Today's Time = 4:18:30 PM
Bound File Name = Sim031809.0034.RAW
Sample Name = 0.08B Simulator Solution DMR
Date Taken = 3/19/2009 12:39:55 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 44

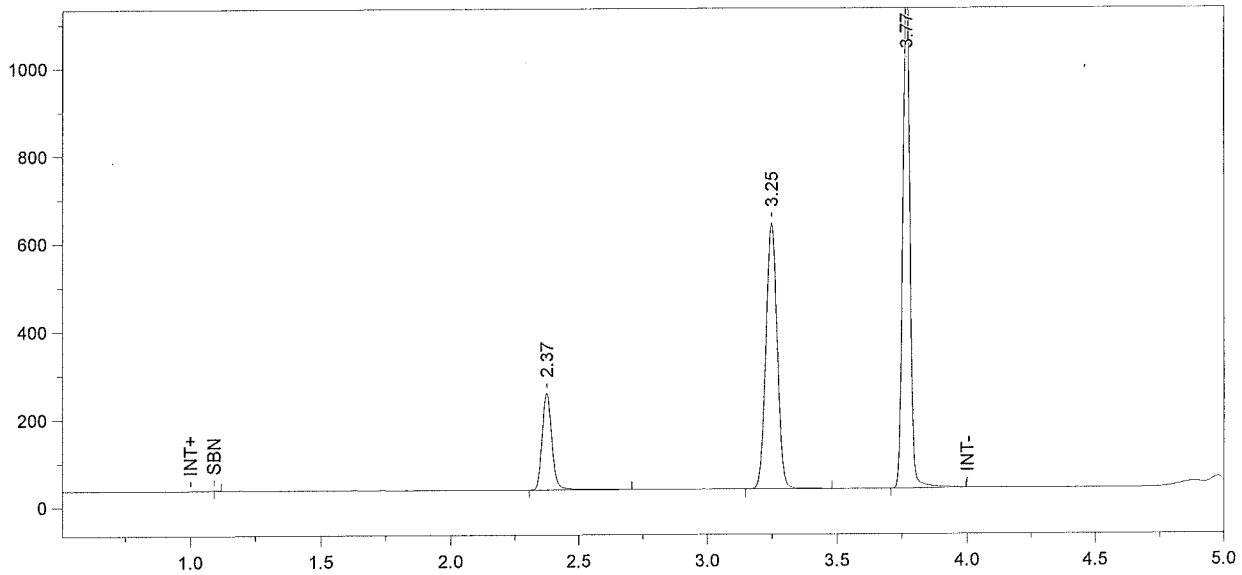
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.37	Ethanol	565489	0.0990	0.0808
3	3.25	t-Butanol	1779557	0.9806	0.8004
4	3.77	n-Propanol	2165700	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 3/19/2009
Today's Time = 4:18:33 PM
Bound File Name = Sim031809.0035.RAW
Sample Name = 0.08B Simulator Solution DMR
Date Taken = 3/19/2009 12:54:56 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 44

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.38	Ethanol	553932	0.0995	0.0812
3	3.25	t-Butanol	1701246	0.9622	0.7853
4	3.77	n-Propanol	2110174	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

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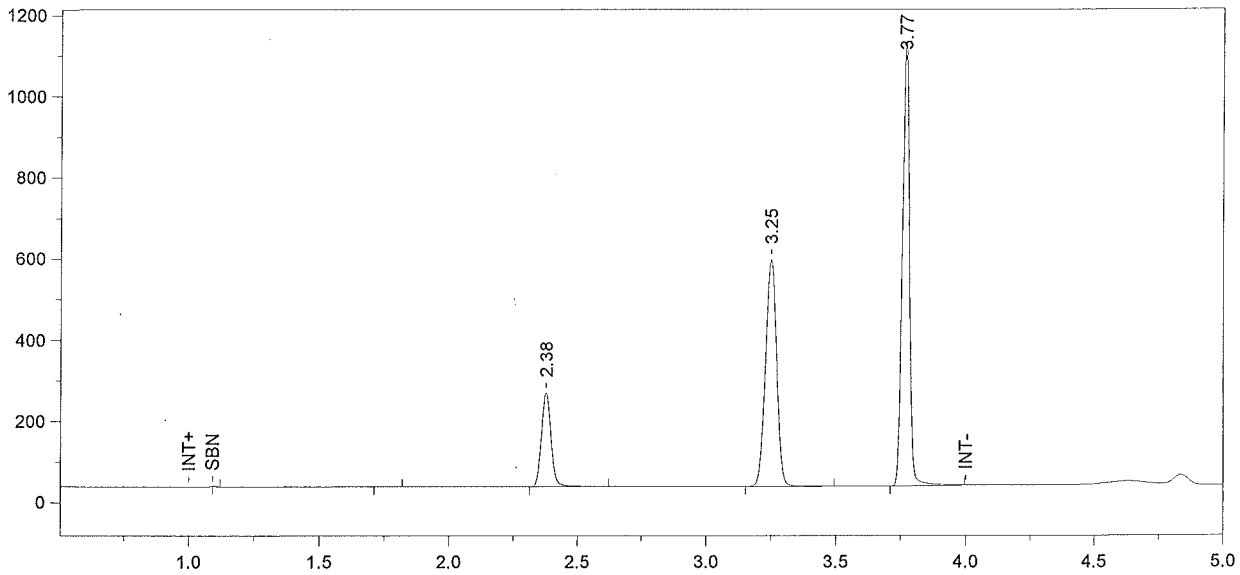
Today's Time = 4:18:36 PM
Bound File Name = Sim031809.0036.RAW
Sample Name = 0.08B Simulator Solution DMR
Date Taken = 3/19/2009 1:09:56 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 44

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.37	Ethanol	584037	0.0997	0.0814
3	3.25	t-Butanol	1820399	0.9789	0.7989
4	3.77	n-Propanol	2219468	1.0000	0.8162



Format File Name = Alcohol4-JFH.met.FMT

Today's Date = 3/19/2009
Today's Time = 4:18:39 PM
Bound File Name = Sim031809.0037.RAW
Sample Name = CCS
Date Taken = 3/19/2009 2:16:24 PM
VDH Headspace Alcohol
Method file = BloodAlcohol4.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 44

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.38	Ethanol	609595	0.1106
4	3.25	t-Butanol	1681954	0.9612
5	3.77	n-Propanol	2088264	1.0000