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 Certification Solution

On 5/4/2009, an ethanol solution was prepared by Amanda Bolduc for use as a DataMaster Certification solution. The solution was prepared per standard laboratory practice and assigned the lot number 09-38-160 and an expiration date of 5/4/2010.

On 5/4/2009 and 5/7/09, 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.

0.159 @ 5/8/09

This solution is certified as presenting ~~0.160~~ g/210L simulated breath ethanol concentration and approved for use as a DataMaster Certification solution.

Dated at Burlington, Vermont on Friday, May 08, 2009.

Amanda Bolduc

0.160 EtOH Certification Solution
Lot # 09-38-160
Prep'd 5/4/09 by ALB
Exp 5/4/2010

JFH Cal DMR/ALB prep	ALB Cal DMR/ALB prep	
0.1582	0.1610	
0.1584	0.1600	
0.1582	0.1622	
0.1500	0.1610	
0.1584	0.1629	
0.1584	0.1625	
0.1592	0.1595	
0.1605	0.1628	
0.1587	0.1631	
0.1607	0.1616	
0.1592	0.1622	
0.1591	0.1634	
0.1506	0.1526	
0.1567	0.1614	
0.1576 Average	**0.1612**	**0.1594 Total Average**
0.0032 Std Dev	**0.0027**	**0.0035 Total Std Dev**

reviewed ok DMW 5/8/09

File Name: C:\Methods\BloodAlcohol4.cal
Version: 94

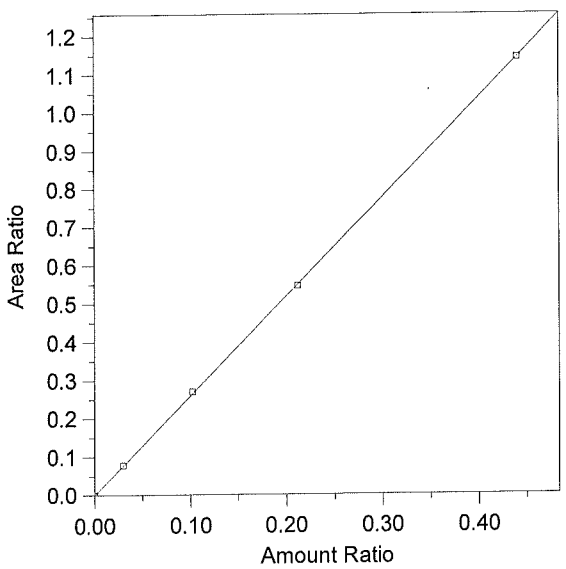
Creator:
Description:
Reason for change:

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

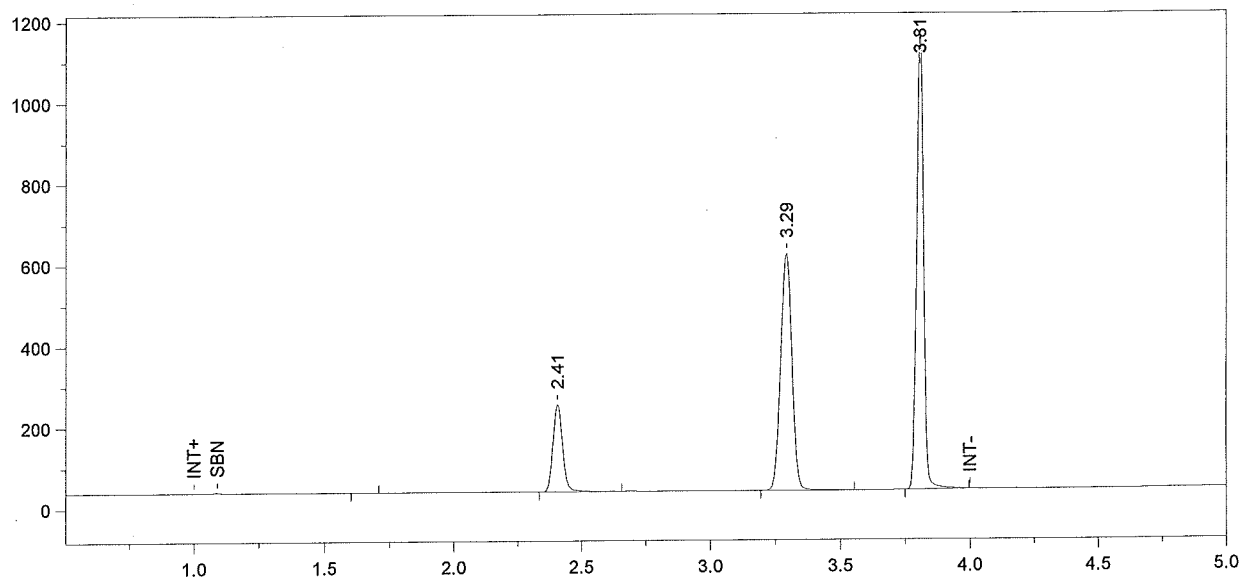
High alarm limit: 0
Low alarm limit: 0
Component constant: 0

Single peak quantification by area

Y = 2.592887 X + 0

Linear fit with equal weighting, forced to origin
Coefficient of determination: 0.9999446
Average error: 1.023%
Average CF: 2.09255
RSD: 55.925%

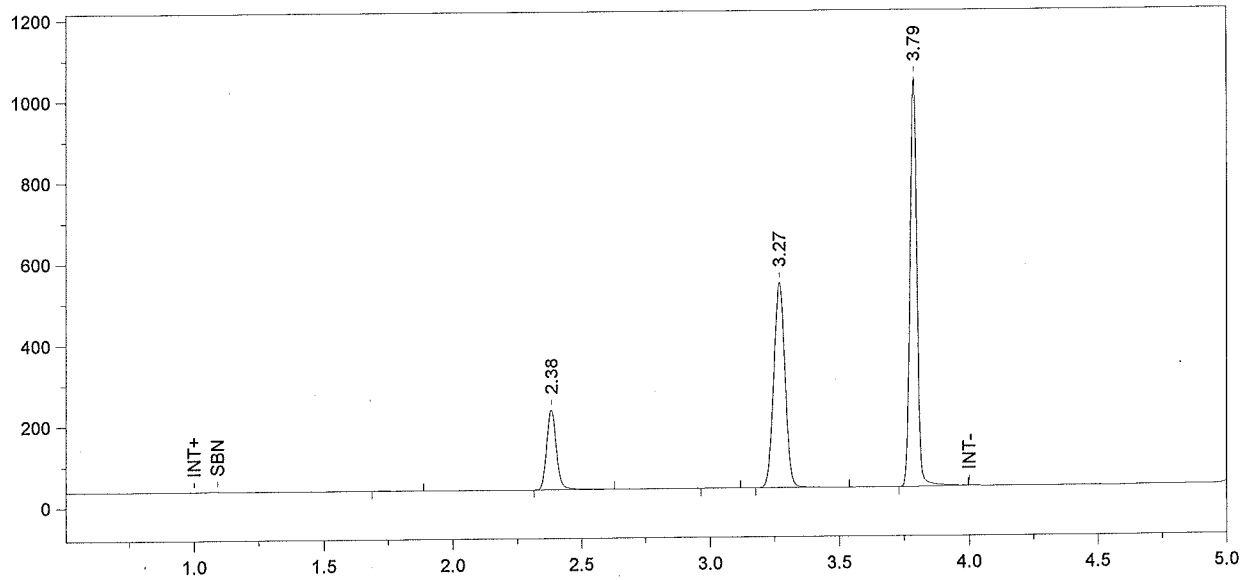
Level	Amount	Response	Cal Factor	Error, %	Amount Ratio	Response Ratio	Source	Date and time
1	0	(0)	--	0.000	0	0	Manual	4/11/2005 10:03:40 AM
2	0.0296	187196.5	6324206	2.395	0.0296	7.858749E-02	C:\Alcohol Data\Alc043009\Alc043009.0003.BND	5/1/2009 9:30:29 AM
3	0.1022	637197.9	6234813	1.845	0.1022	0.2698834	C:\Alcohol Data\Alc043009\Alc043009.0004.BND	5/1/2009 9:30:36 AM
4	0.212	1280503	6040109	-0.798	0.212	0.5453072	C:\Alcohol Data\Alc043009\Alc043009.0005.BND	5/1/2009 9:30:43 AM
5	0.4402	2627649	5969217	0.075	0.4402	1.142242	C:\Alcohol Data\Alc043009\Alc043009.0006.BND	5/1/2009 9:30:50 AM



Format File Name = Alcohol4-JFH.met.FMT

Today's Date = 5/4/2009
Today's Time = 11:58:44 AM
Bound File Name = Sim050409.0001.RAW
Sample Name = CCS
Date Taken = 5/4/2009 11:58:35 AM
VDH Headspace Alcohol
Method file = BloodAlcohol4.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 94

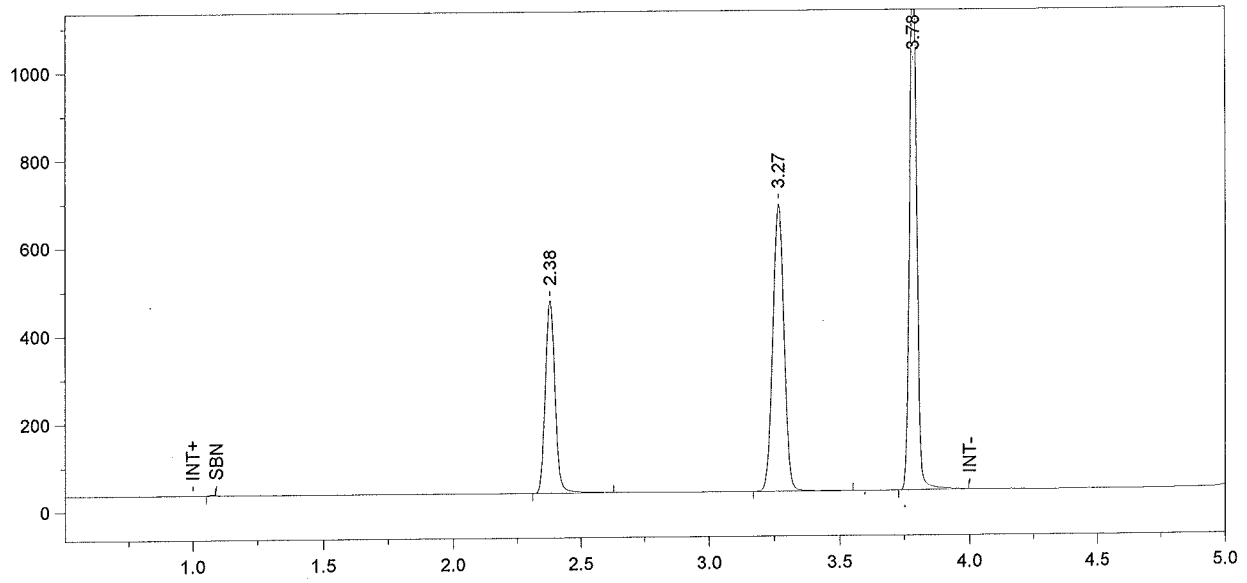
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.41	Ethanol	574467	0.1052
3	3.29	t-Butanol	1745921	0.9745
4	3.81	n-Propanol	2106930	1.0000



Format File Name = Alcohol4-JFH.met.FMT

Today's Date = 5/4/2009
Today's Time = 12:13:39 PM
Bound File Name = Sim050409.0002.RAW
Sample Name = CCS
Date Taken = 5/4/2009 12:13:30 PM
VDH Headspace Alcohol
Method file = BloodAlcohol4.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 94

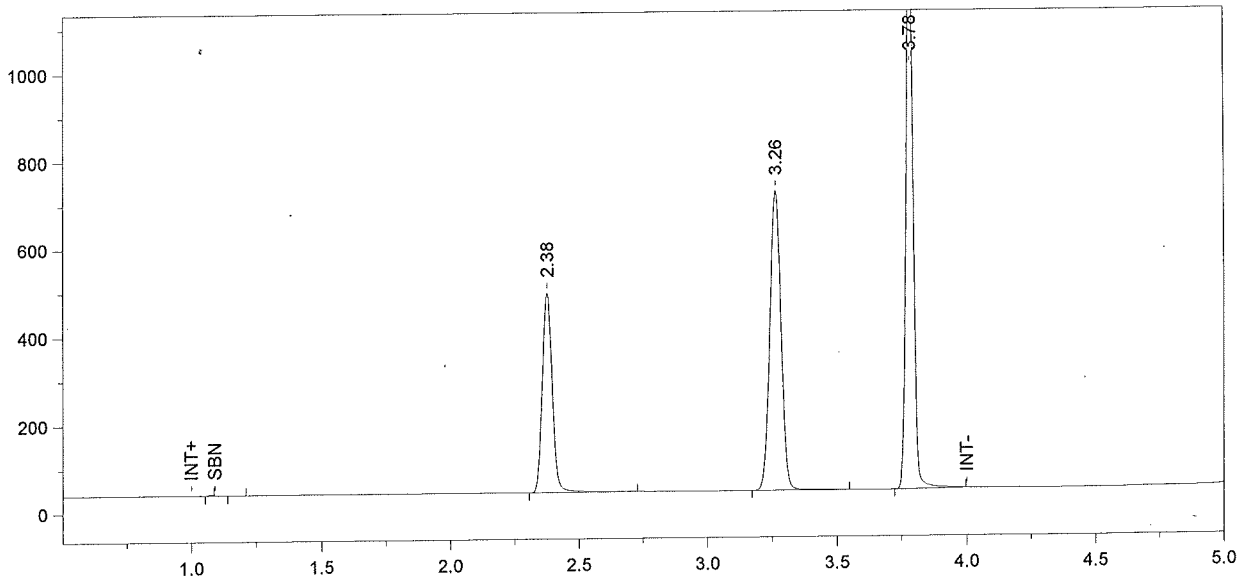
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.38	Ethanol	527378	0.1074
4	3.27	t-Butanol	1520753	0.9443
5	3.79	n-Propanol	1893930	1.0000



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/4/2009
Today's Time = 12:28:34 PM
Bound File Name = Sim050409.0003.RAW
Sample Name = 0.16 DMR
Date Taken = 5/4/2009 12:28:31 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 94

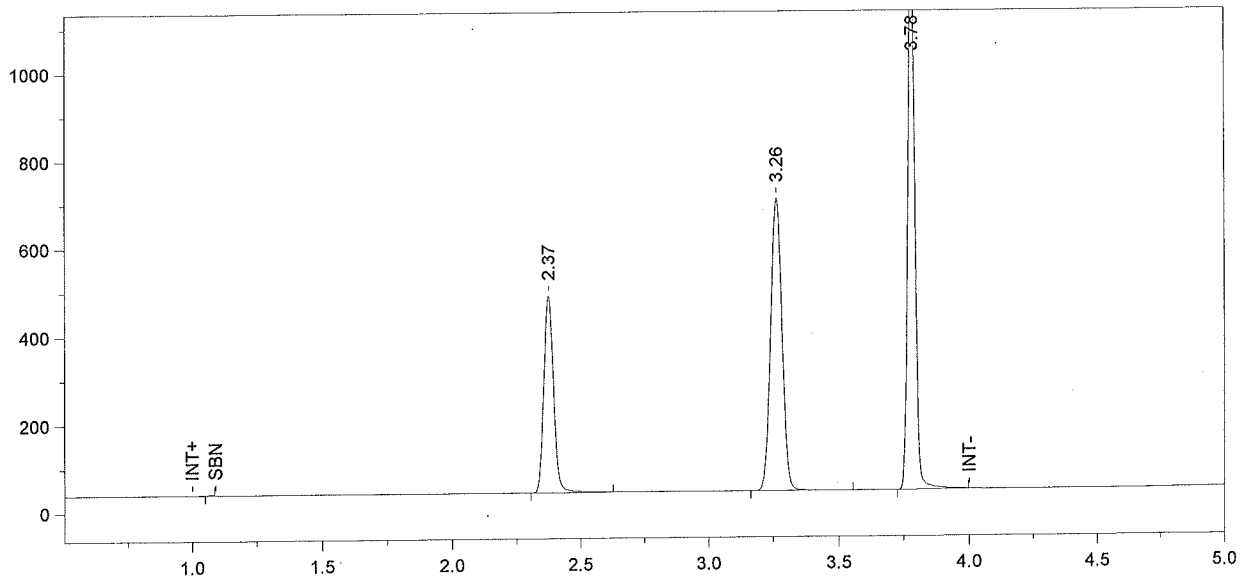
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.38	Ethanol	1164172	0.1938	0.1582
3	3.27	t-Butanol	1967164	0.9987	0.8151
4	3.78	n-Propanol	2316430	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/4/2009
Today's Time = 12:43:39 PM
Bound File Name = Sim050409.0004.RAW
Sample Name = 0.16 DMR
Date Taken = 5/4/2009 12:43:32 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 94

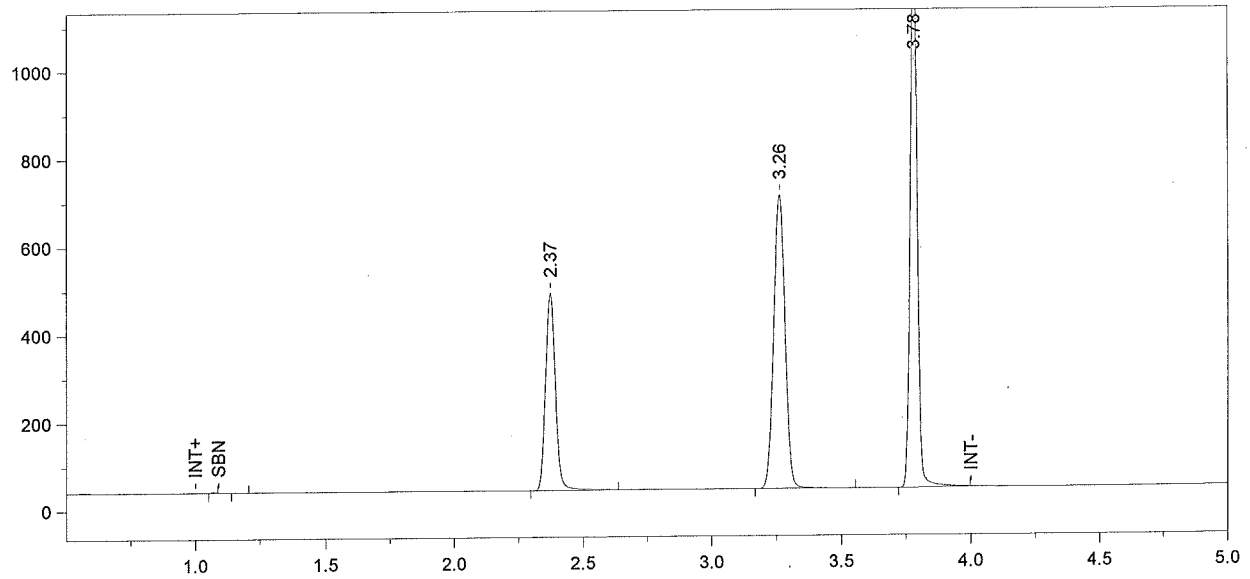
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	2.38	Ethanol	1210693	0.1941	0.1584
4	3.26	t-Butanol	2059865	1.0071	0.8220
5	3.78	n-Propanol	2405415	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/4/2009
Today's Time = 12:58:36 PM
Bound File Name = Sim050409.0005.RAW
Sample Name = 0.16 DMR
Date Taken = 5/4/2009 12:58:33 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 94

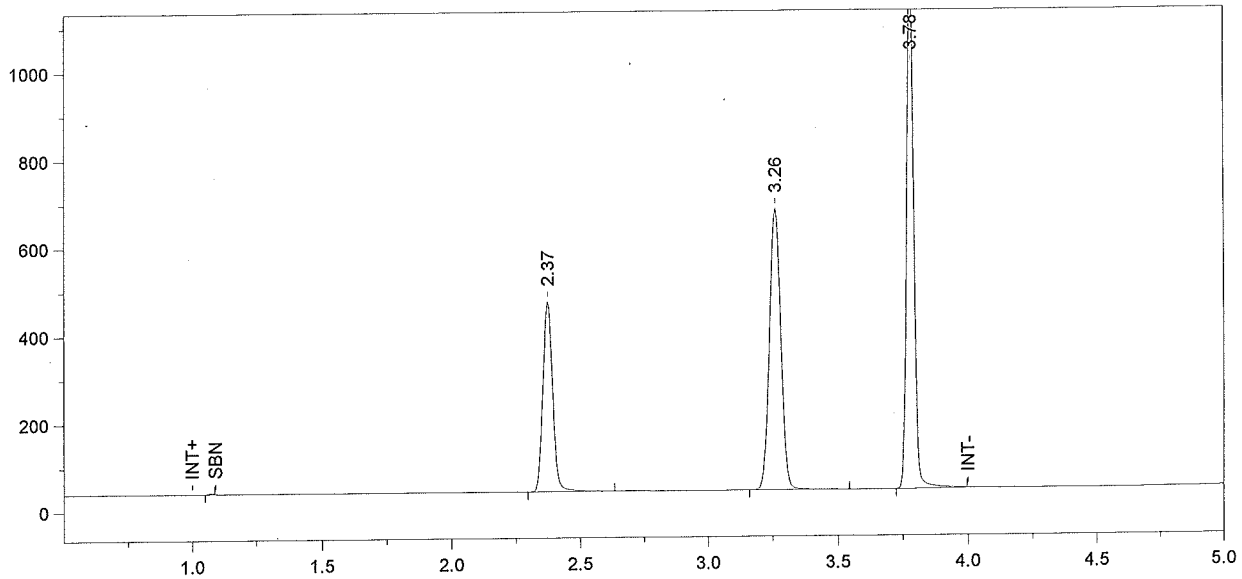
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.37	Ethanol	1189247	0.1938	0.1582
3	3.26	t-Butanol	2021438	1.0044	0.8198
4	3.78	n-Propanol	2366708	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/4/2009
Today's Time = 1:13:39 PM
Bound File Name = Sim050409.0006.RAW
Sample Name = 0.16 DMR
Date Taken = 5/4/2009 1:13:34 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 94

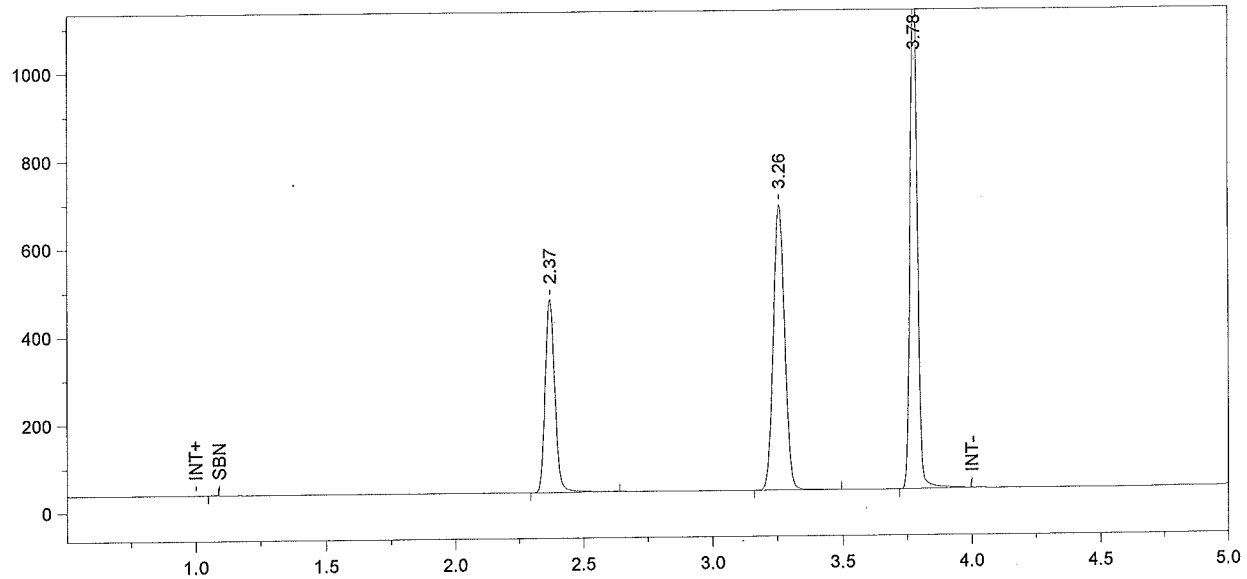
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	2.37	Ethanol	1191638	0.1936	0.1580
4	3.26	t-Butanol	2037472	1.0092	0.8237
5	3.78	n-Propanol	2374139	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/4/2009
Today's Time = 1:28:49 PM
Bound File Name = Sim050409.0007.RAW
Sample Name = 0.16 DMR
Date Taken = 5/4/2009 1:28:47 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 94

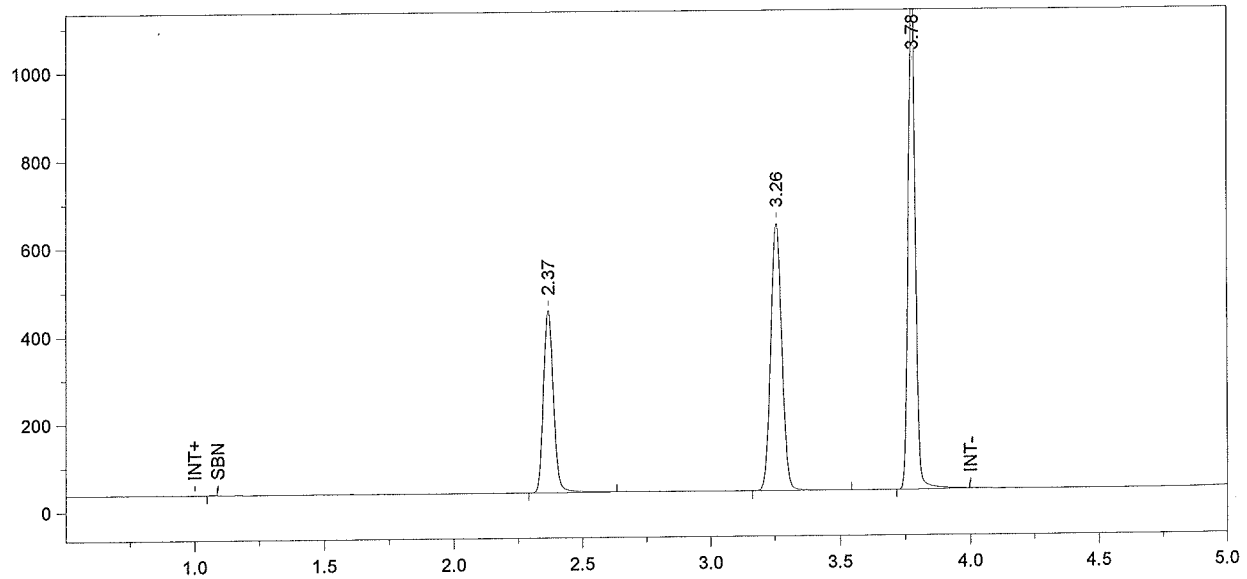
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.37	Ethanol	1146980	0.1941	0.1584
3	3.26	t-Butanol	1942617	1.0024	0.8181
4	3.78	n-Propanol	2279059	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/4/2009
Today's Time = 1:43:52 PM
Bound File Name = Sim050409.0008.RAW
Sample Name = 0.16 DMR
Date Taken = 5/4/2009 1:43:48 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 94

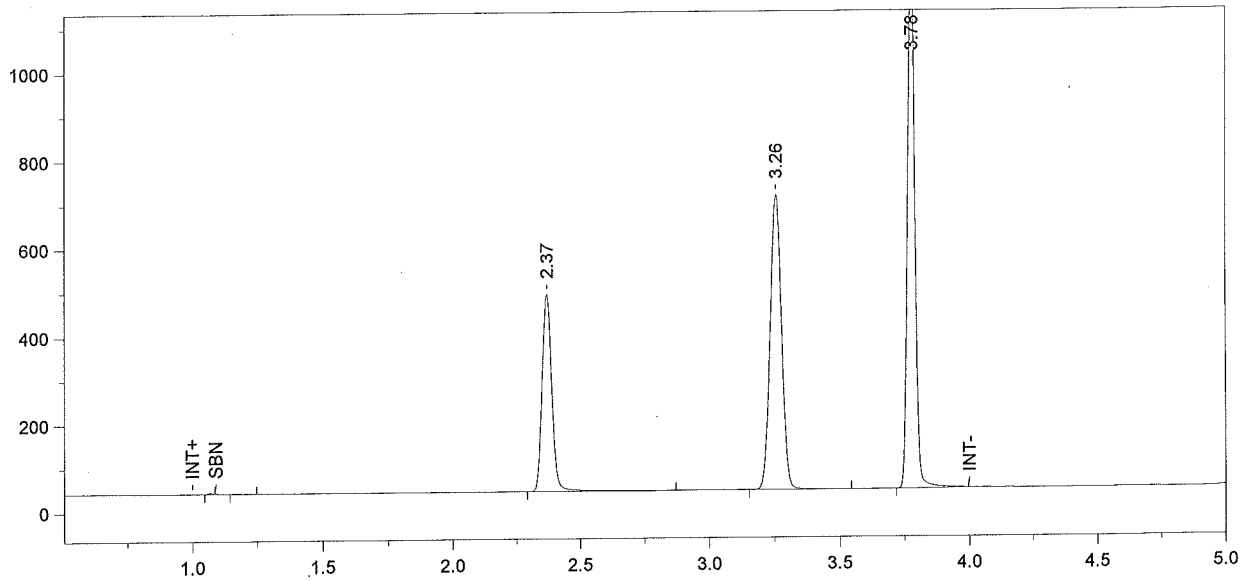
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.37	Ethanol	1166314	0.1940	0.1584
3	3.26	t-Butanol	1972373	1.0006	0.8167
4	3.78	n-Propanol	2318070	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/4/2009
Today's Time = 1:58:39 PM
Bound File Name = Sim050409.0009.RAW
Sample Name = 0.16 DMR
Date Taken = 5/4/2009 1:58:37 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 94

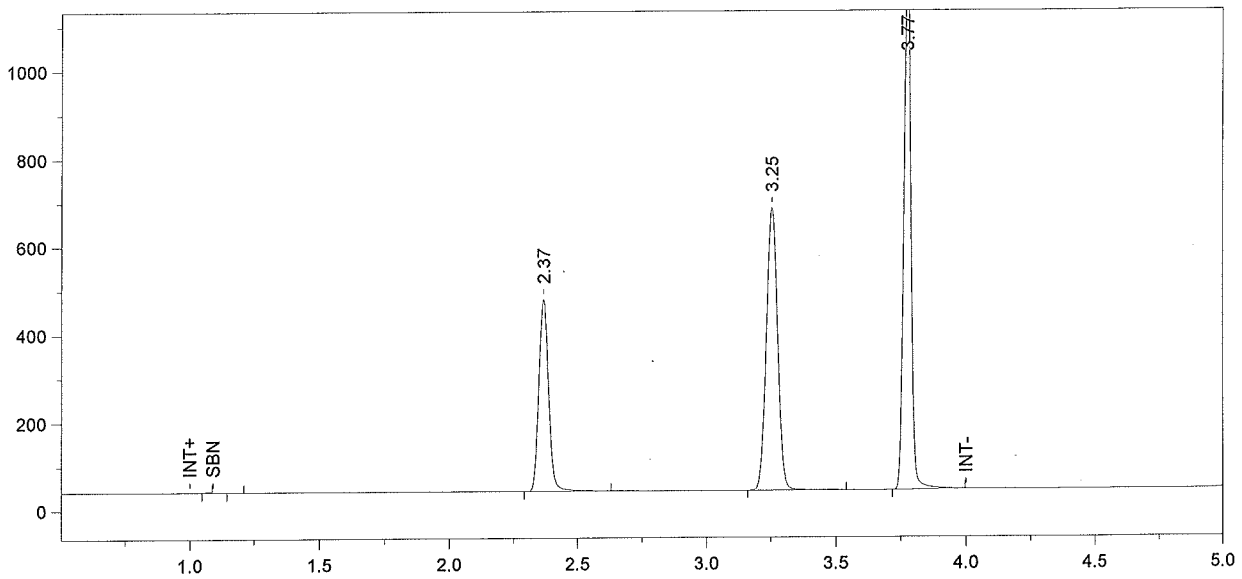
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.37	Ethanol	1104541	0.1950	0.1592
3	3.26	t-Butanol	1854439	0.9983	0.8148
4	3.78	n-Propanol	2184417	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/4/2009
Today's Time = 2:13:45 PM
Bound File Name = Sim050409.0010.RAW
Sample Name = 0.16 ALB
Date Taken = 5/4/2009 2:13:39 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 94

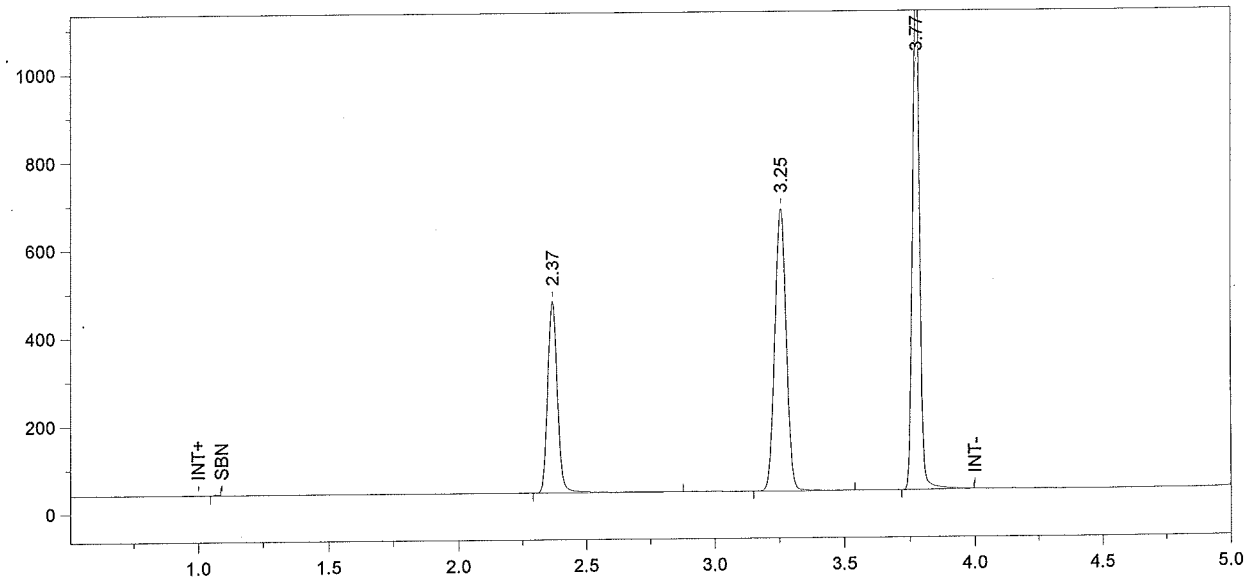
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	2.37	Ethanol	1207905	0.1967	0.1605
4	3.26	t-Butanol	2027483	1.0066	0.8216
5	3.78	n-Propanol	2368770	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/4/2009
Today's Time = 2:28:42 PM
Bound File Name = Sim050409.0011.RAW
Sample Name = 0.16 ALB
Date Taken = 5/4/2009 2:28:40 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 94

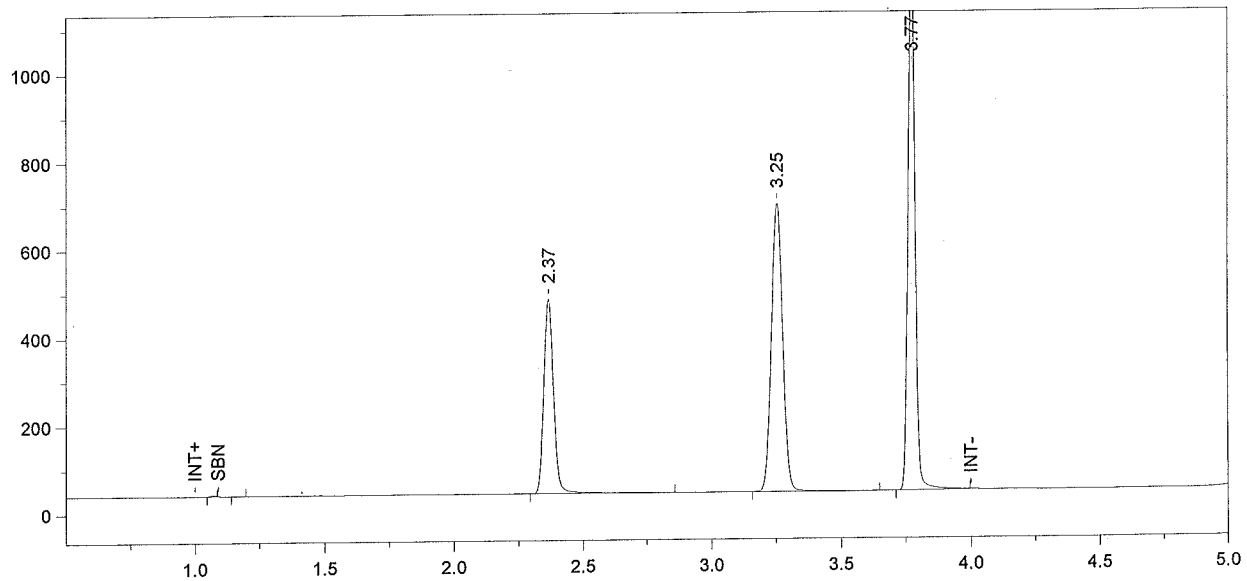
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	2.37	Ethanol	1154919	0.1945	0.1587
4	3.25	t-Butanol	1953404	1.0030	0.8187
5	3.77	n-Propanol	2290251	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/4/2009
Today's Time = 2:43:45 PM
Bound File Name = Sim050409.0012.RAW
Sample Name = 0.16 ALB
Date Taken = 5/4/2009 2:43:41 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 94

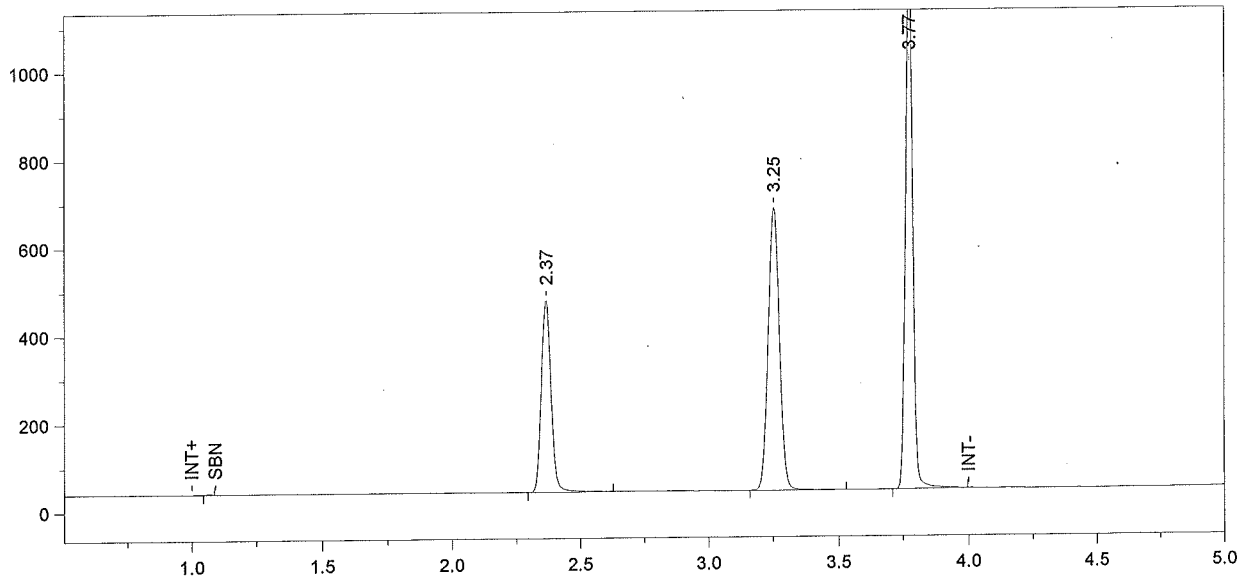
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.37	Ethanol	1164434	0.1969	0.1607
3	3.25	t-Butanol	1935656	0.9981	0.8147
4	3.77	n-Propanol	2280622	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/4/2009
Today's Time = 2:58:51 PM
Bound File Name = Sim050409.0013.RAW
Sample Name = 0.16 ALB
Date Taken = 5/4/2009 2:58:44 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 94

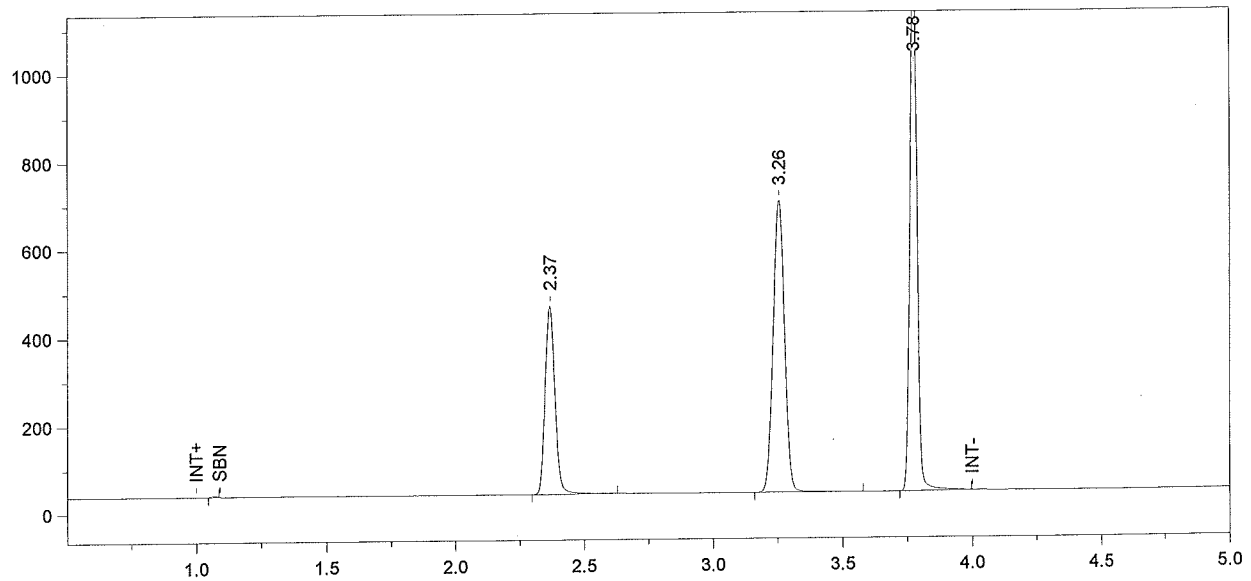
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	2.37	Ethanol	1180166	0.1951	0.1592
4	3.25	t-Butanol	1989317	1.0026	0.8183
5	3.77	n-Propanol	2333276	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/4/2009
Today's Time = 3:13:51 PM
Bound File Name = Sim050409.0014.RAW
Sample Name = 0.16 ALB
Date Taken = 5/4/2009 3:13:46 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 94

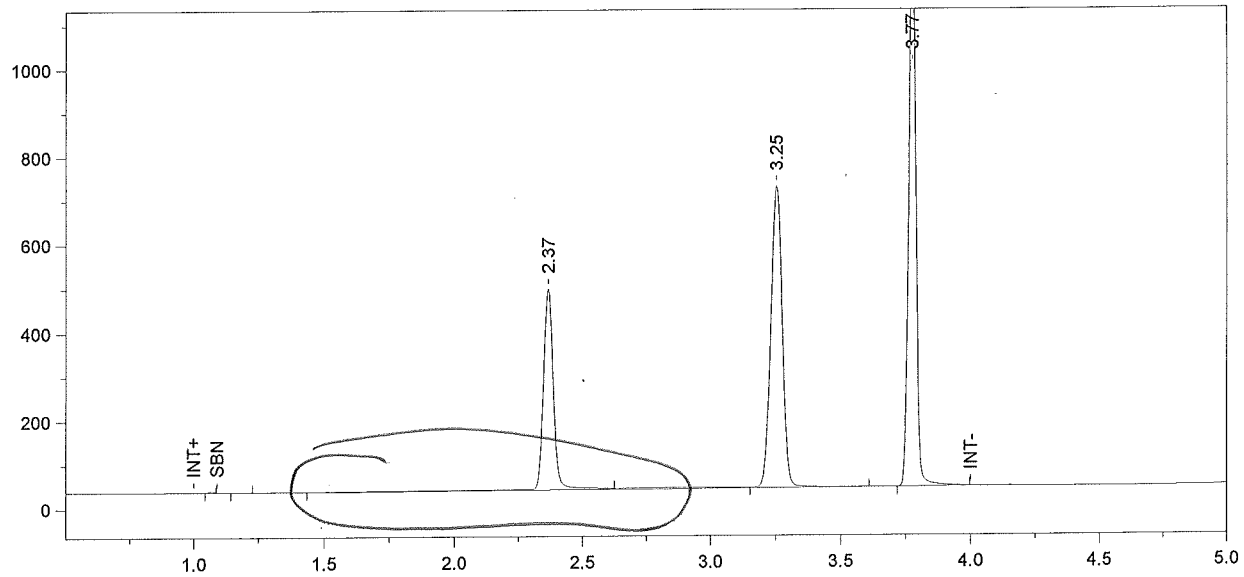
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.37	Ethanol	1153951	0.1950	0.1591
3	3.25	t-Butanol	1942122	1.0006	0.8167
4	3.77	n-Propanol	2282479	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/4/2009
Today's Time = 3:28:50 PM
Bound File Name = Sim050409.0015.RAW
Sample Name = 0.16 ALB
Date Taken = 5/4/2009 3:28:47 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 94

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.37	Ethanol	1130366	0.1845	0.1506
3	3.26	t-Butanol	2011376	1.0011	0.8171
4	3.78	n-Propanol	2362681	1.0000	0.8162

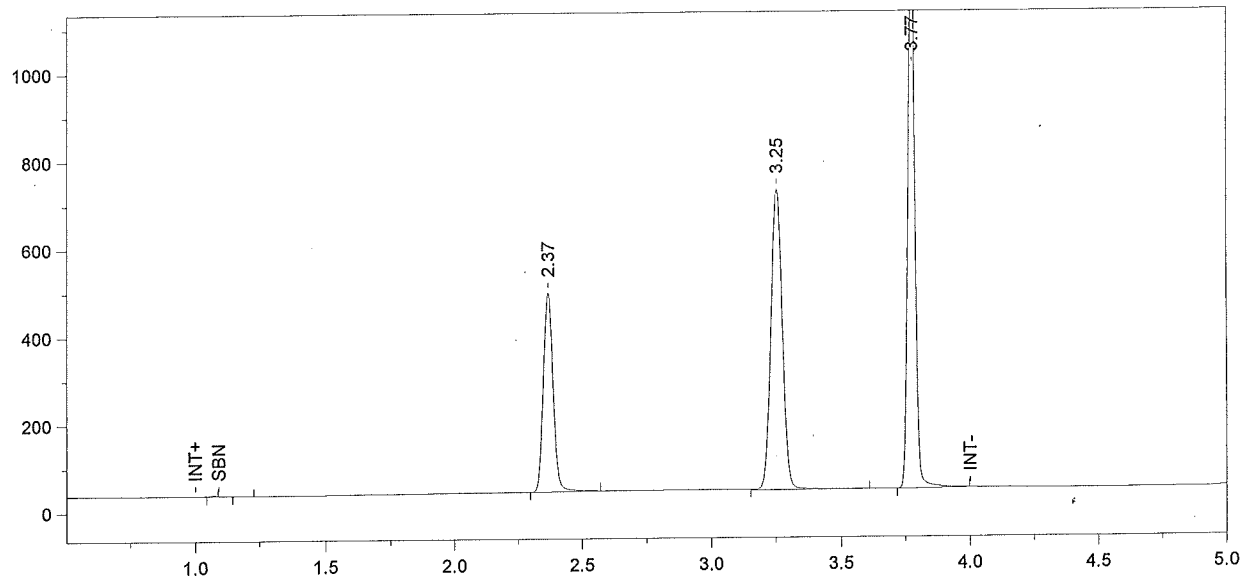


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/4/2009
Today's Time = 3:43:55 PM
Bound File Name = Sim050409.0016.RAW
Sample Name = 0.16 ALB
Date Taken = 5/4/2009 3:43:48 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 94

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	2.37	Ethanol	1286154	0.2050	0.1673
4	3.25	t-Butanol	2096180	1.0186	0.8314
5	3.77	n-Propanol	2420164	1.0000	0.8162

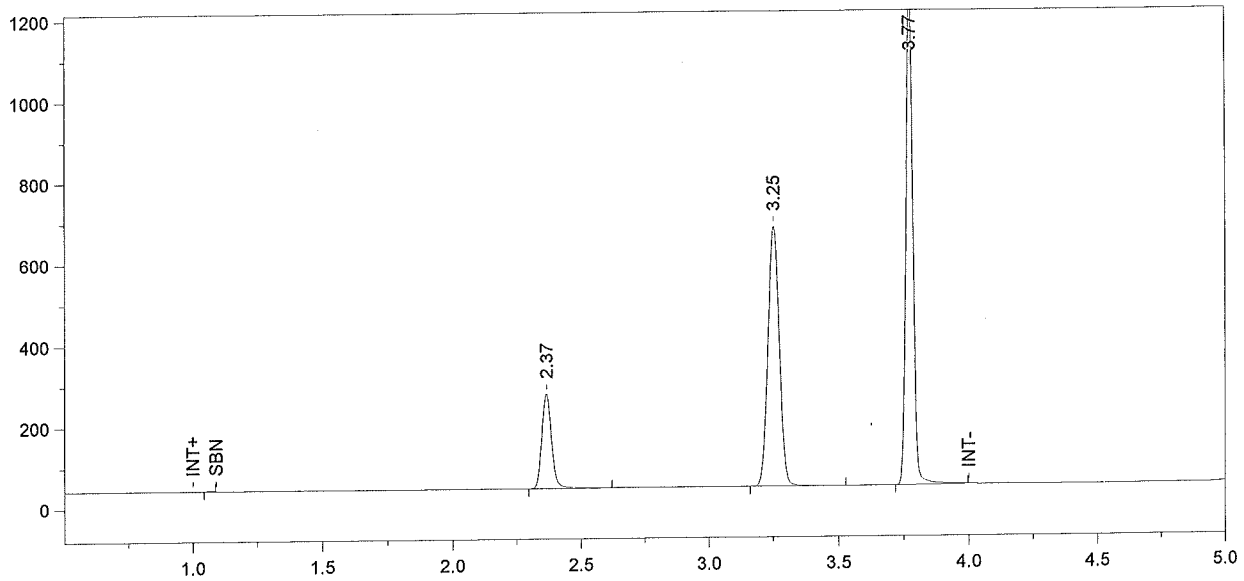
Reintigrated manually
5/8/09



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/8/2009
Today's Time = 9:51:24 AM
Bound File Name = Sim050409.0016.RAW
Sample Name = 0.16 ALB
Date Taken = 5/4/2009 3:43:48 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 101

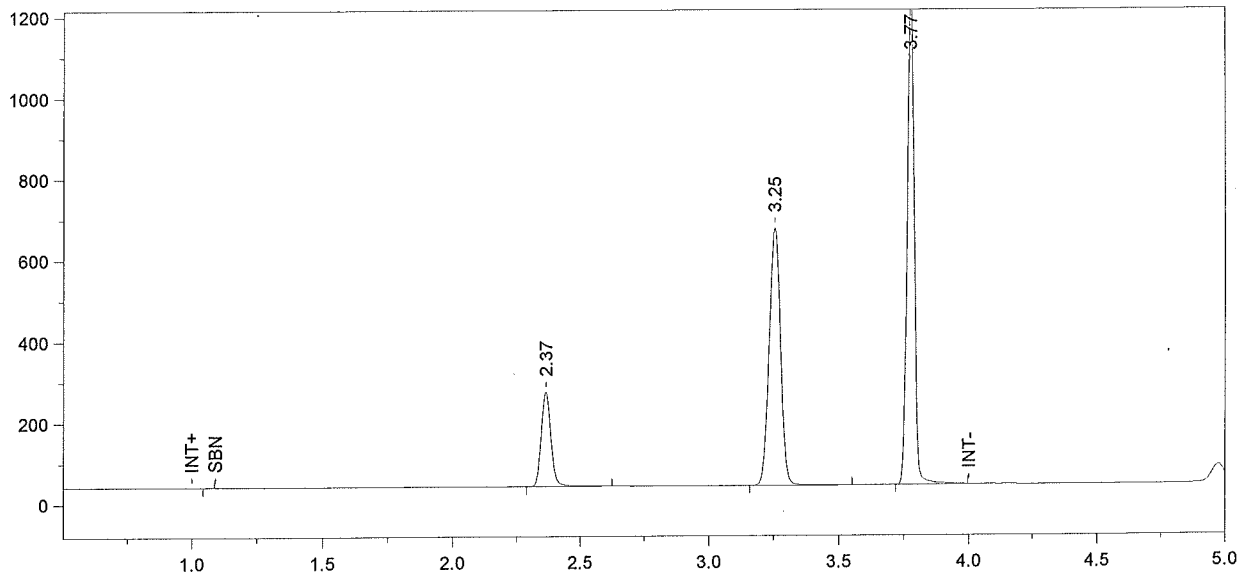
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	2.37	Ethanol	1199003	0.1920	0.1567
4	3.25	t-Butanol	2096180	1.0045	0.8199
5	3.77	n-Propanol	2420164	1.0000	0.8162



Format File Name = Alcohol4-JFH.met.FMT

Today's Date = 5/4/2009
Today's Time = 3:58:53 PM
Bound File Name = Sim050409.0017.RAW
Sample Name = CCS
Date Taken = 5/4/2009 3:58:49 PM
VDH Headspace Alcohol
Method file = BloodAlcohol4.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 94

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.37	Ethanol	617972	0.1035
3	3.25	t-Butanol	1928949	0.9852
4	3.77	n-Propanol	2302533	1.0000



Format File Name = Alcohol4-JFH.met.FMT

Today's Date = 5/4/2009
Today's Time = 4:14:03 PM
Bound File Name = Sim050409.0018.RAW
Sample Name = CCS
Date Taken = 5/4/2009 4:13:49 PM
VDH Headspace Alcohol
Method file = BloodAlcohol4.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 94

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.37	Ethanol	618474	0.1038
3	3.25	t-Butanol	1919126	0.9822
4	3.77	n-Propanol	2297724	1.0000

File Name: C:\Methods\BloodAlcohol4.cal
Version: 99

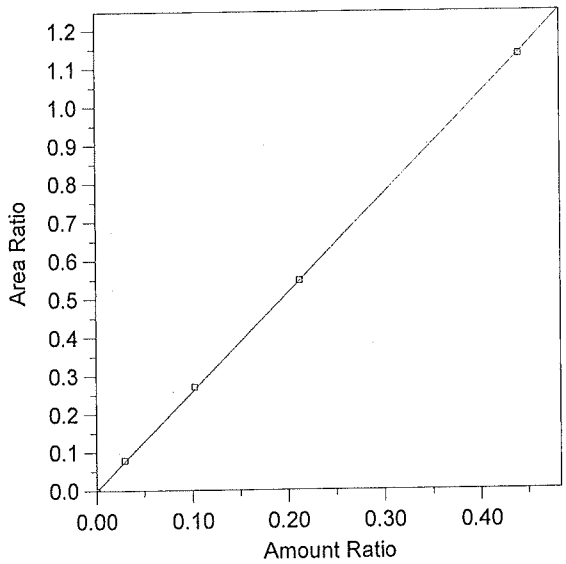
Creator:
Description:
Reason for change:

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

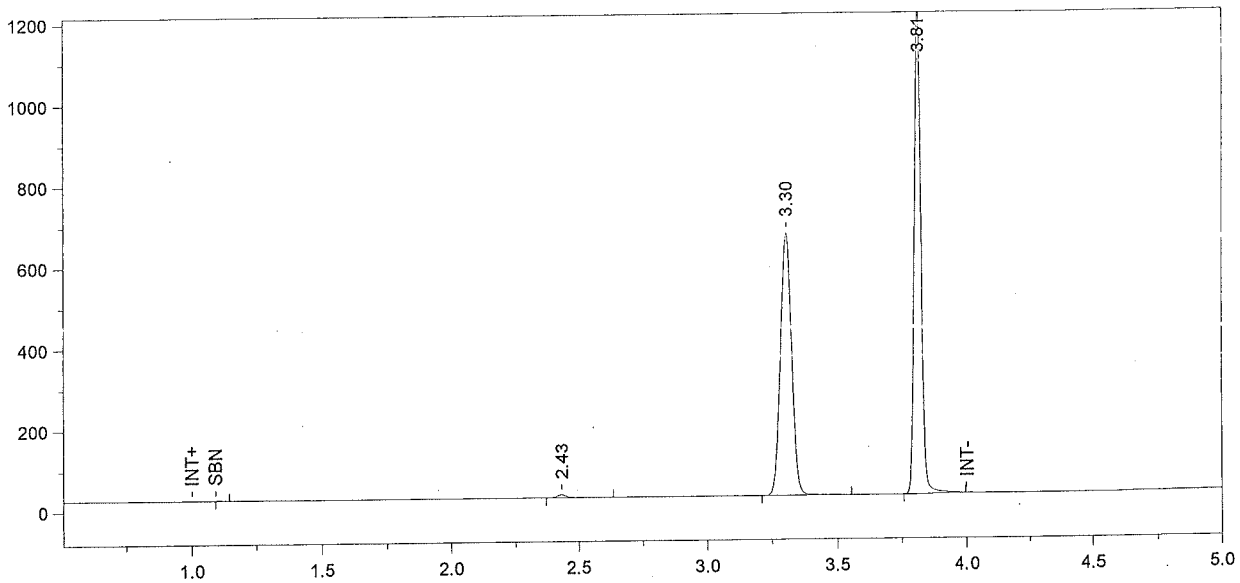
High alarm limit: 0
Low alarm limit: 0
Component constant: 0

Single peak quantification by area

Y = 2.580095 X + 0

Linear fit with equal weighting, forced to origin
Coefficient of determination: 0.9999182
Average error: 1.442%
Average CF: 2.099456
RSD: 55.948%

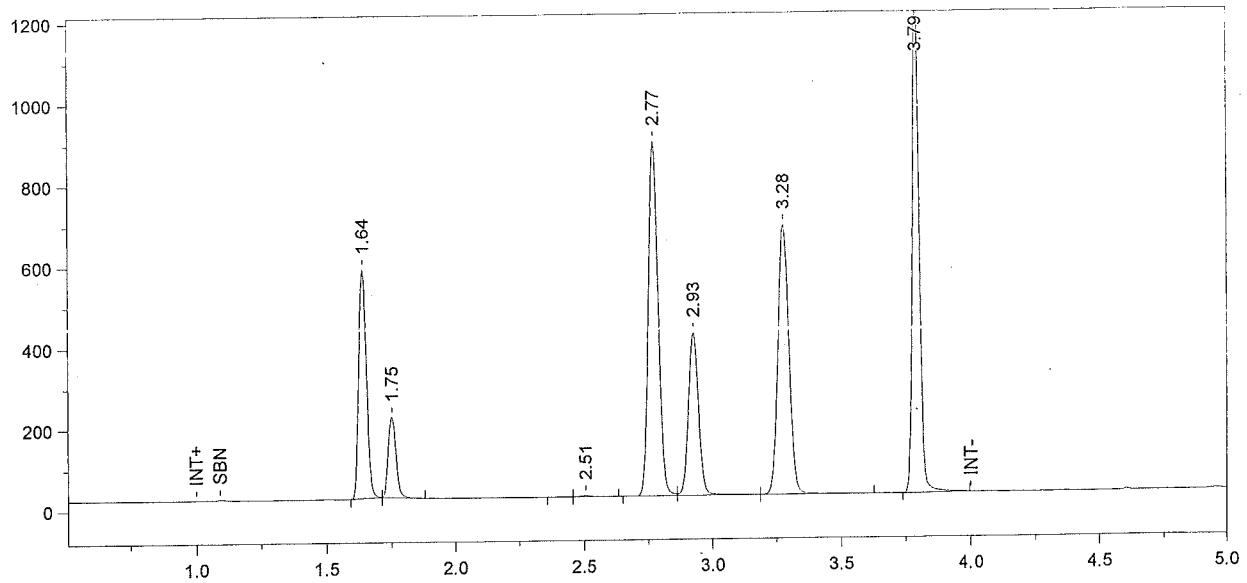
Level	Amount	Response	Cal Factor	Error, %	Amount Ratio	Response Ratio	Source	Date and time
1	0	(0)	--	0.000	0	0	Manual	4/11/2005 10:03:40 AM
2	0.0296	173894.8	5874824	4.207	0.0296	7.958368E-02	C:\Alcohol Data\Alc050709\Alc050709(2).0001.BND	5/7/2009 8:59:56 AM
3	0.1022	646394.9	6324803	2.794	0.1022	0.2710524	C:\Alcohol Data\Alc050709\Alc050709(3).0001.BND	5/7/2009 9:15:02 AM
4	0.212	1282956	6051680	0.033	0.212	0.5471606	C:\Alcohol Data\Alc050709\Alc050709(4).0001.BND	5/7/2009 9:29:54 AM
5	0.4402	2708515	6152919	-0.177	0.4402	1.133744	C:\Alcohol Data\Alc050709\Alc050709(5).0001.BND	5/7/2009 9:44:54 AM



Format File Name = Alcohol4-JFH.met.FMT

Today's Date = 5/7/2009
Today's Time = 11:02:10 AM
Bound File Name = Alc050709.0001.RAW
Sample Name = Blank
Date Taken = 5/7/2009 8:29:59 AM
VDH Headspace Alcohol
Method file = BloodAlcohol4.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 101

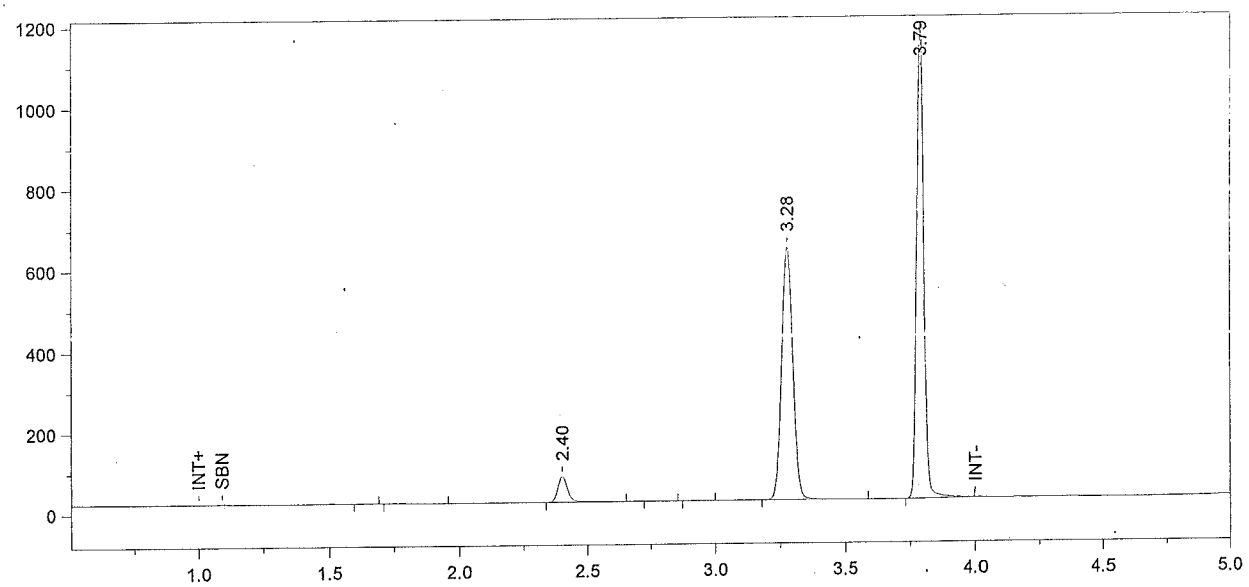
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.43	Ethanol	22417	<0.005
3	3.30	t-Butanol	1935476	1.0080
4	3.81	n-Propanol	2226992	1.0000



Format File Name = Alcohol4-JFH.met.FMT

Today's Date = 5/7/2009
Today's Time = 11:02:14 AM
Bound File Name = Alc050709.0002.RAW
Sample Name = TMX
Date Taken = 5/7/2009 8:44:47 AM
VDH Headspace Alcohol
Method file = BloodAlcohol4.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 101

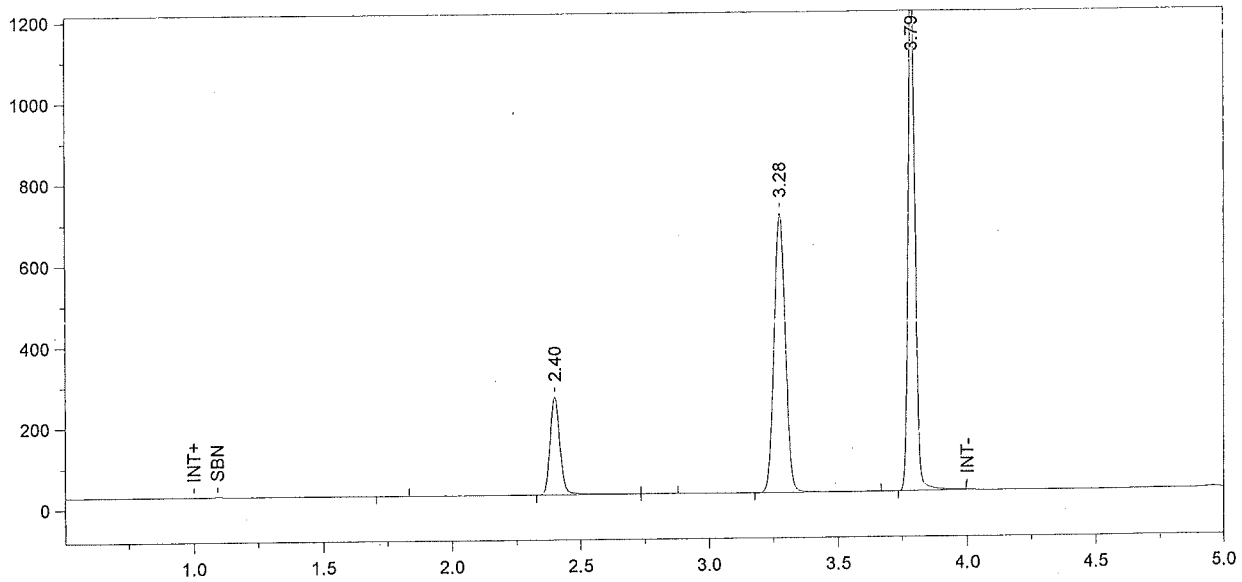
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
1	1.64	Acetaldehyde	1196580	0.0940
2	1.75	Methanol	420299	0.1524
5	2.77	Acetone	2300972	0.0818
6	2.93	Isopropanol	1109621	0.0894
7	3.28	t-Butanol	1991442	1.0016
8	3.79	n-Propanol	2305988	1.0000



Format File Name = Alcohol4-JFH.met.FMT

Today's Date = 5/7/2009
Today's Time = 11:02:17 AM
Bound File Name = Alc050709.0003.RAW
Sample Name = Std A
Date Taken = 5/7/2009 8:59:49 AM
VDH Headspace Alcohol
Method file = BloodAlcohol4.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 101

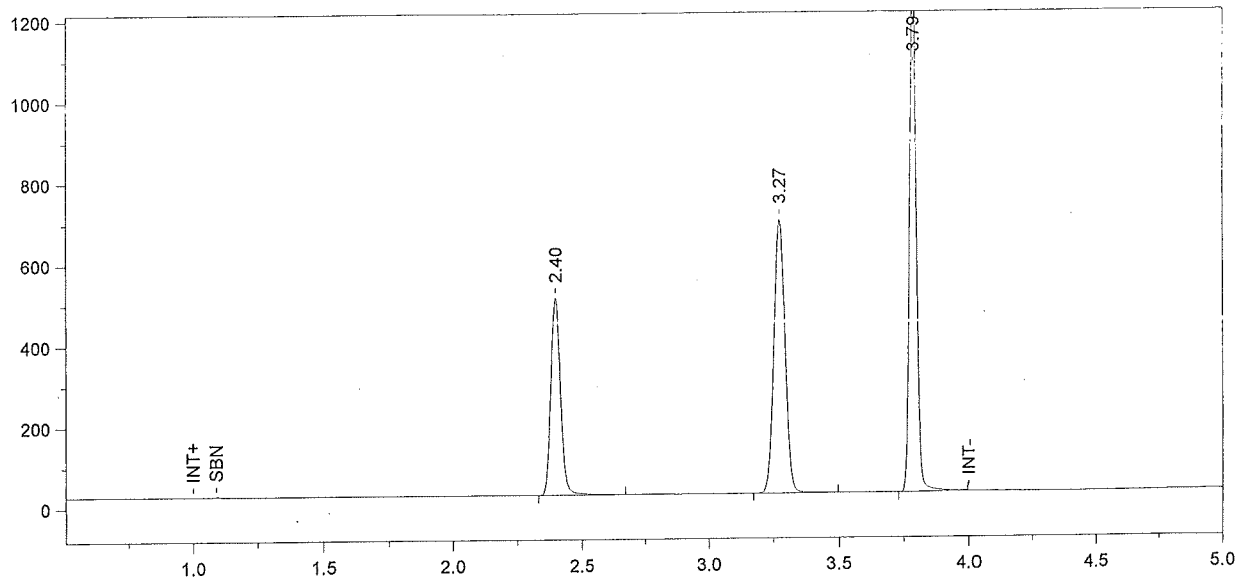
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.40	Ethanol	173895	0.0308
6	3.28	t-Butanol	1871665	0.9934
7	3.79	n-Propanol	2185056	1.0000



Format File Name = Alcohol4-JFH.met.FMT

Today's Date = 5/7/2009
Today's Time = 11:02:21 AM
Bound File Name = Alc050709.0004.RAW
Sample Name = Std B
Date Taken = 5/7/2009 9:14:51 AM
VDH Headspace Alcohol
Method file = BloodAlcohol4.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 101

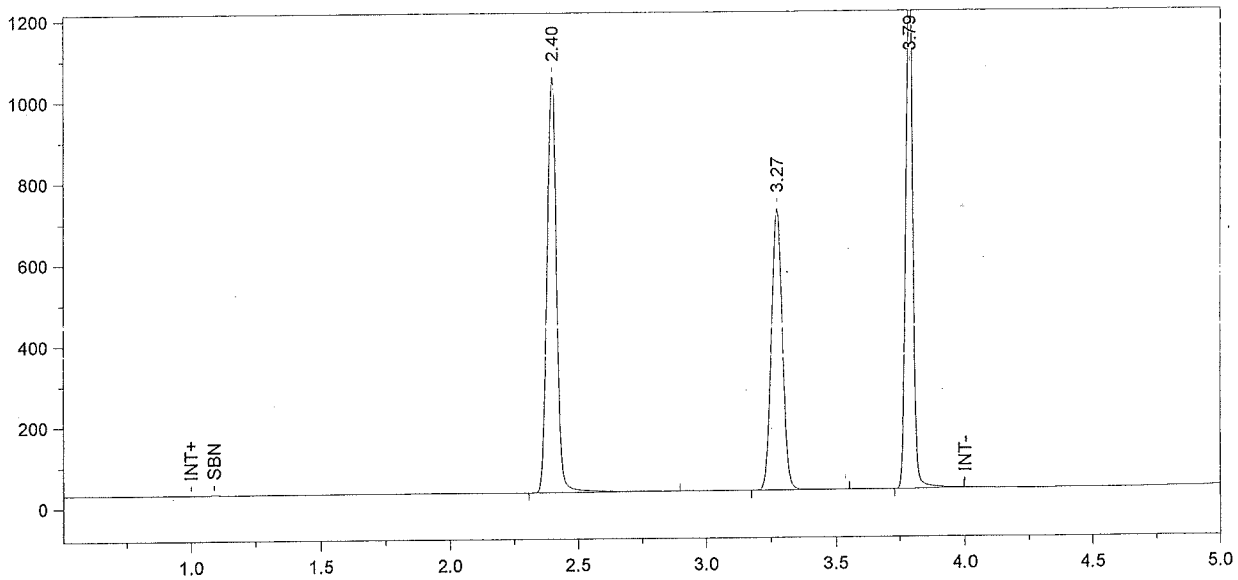
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.40	Ethanol	646395	0.1051
4	3.28	t-Butanol	2060338	1.0020
5	3.79	n-Propanol	2384760	1.0000



Format File Name = Alcohol4-JFH.met.FMT

Today's Date = 5/7/2009
Today's Time = 11:02:25 AM
Bound File Name = Alc050709.0005.RAW
Sample Name = Std C
Date Taken = 5/7/2009 9:29:52 AM
VDH Headspace Alcohol
Method file = BloodAlcohol4.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 101

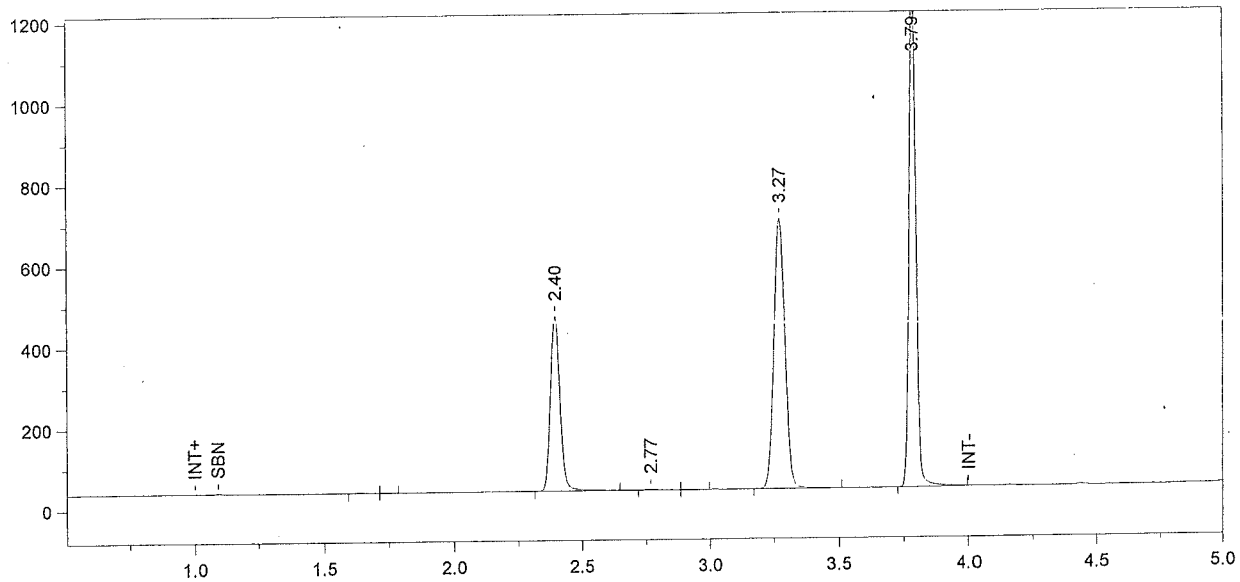
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
1	2.40	Ethanol	1282956	0.2121
2	3.27	t-Butanol	2021600	0.9999
3	3.79	n-Propanol	2344752	1.0000



Format File Name = Alcohol4-JFH.met.FMT

Today's Date = 5/7/2009
Today's Time = 11:02:28 AM
Bound File Name = Alc050709.0006.RAW
Sample Name = Std D
Date Taken = 5/7/2009 9:44:51 AM
VDH Headspace Alcohol
Method file = BloodAlcohol4.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 101

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
1	2.40	Ethanol	2708515	0.4394
2	3.27	t-Butanol	2066139	1.0030
3	3.79	n-Propanol	2389000	1.0000



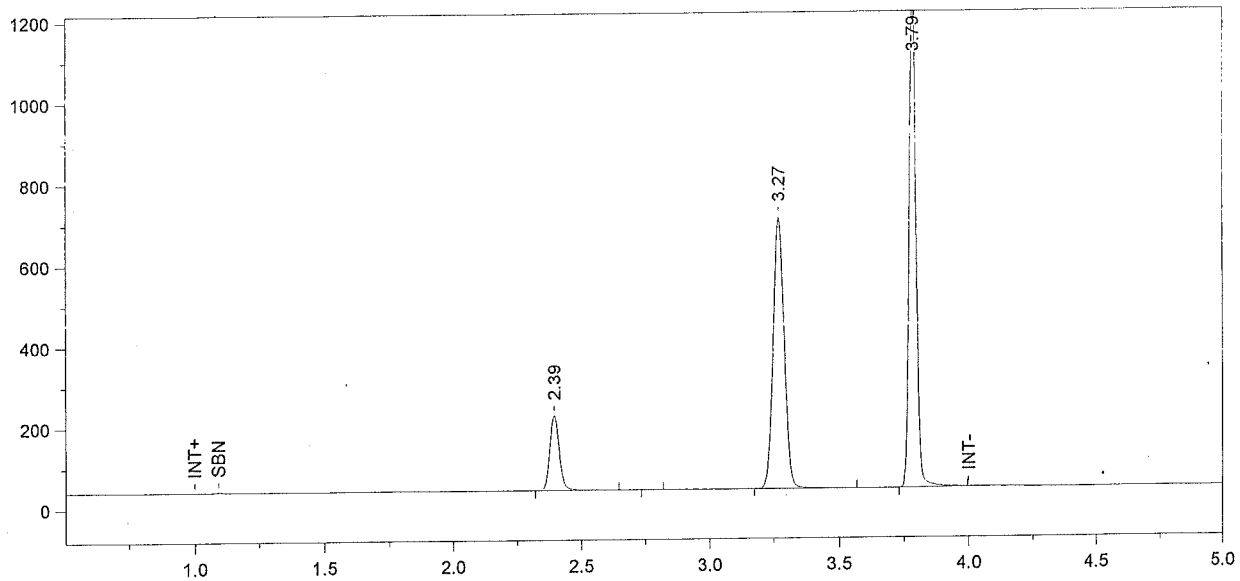
Format File Name = Alcohol4-JFH.met.FMT

Today's Date = 5/7/2009
Today's Time = 11:02:31 AM

Bound File Name = Alc050709.0007.RAW
Sample Name = WB QC Level 2
Date Taken = 5/7/2009 10:00:04 AM
VDH Headspace Alcohol

Method file = BloodAlcohol4.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 101

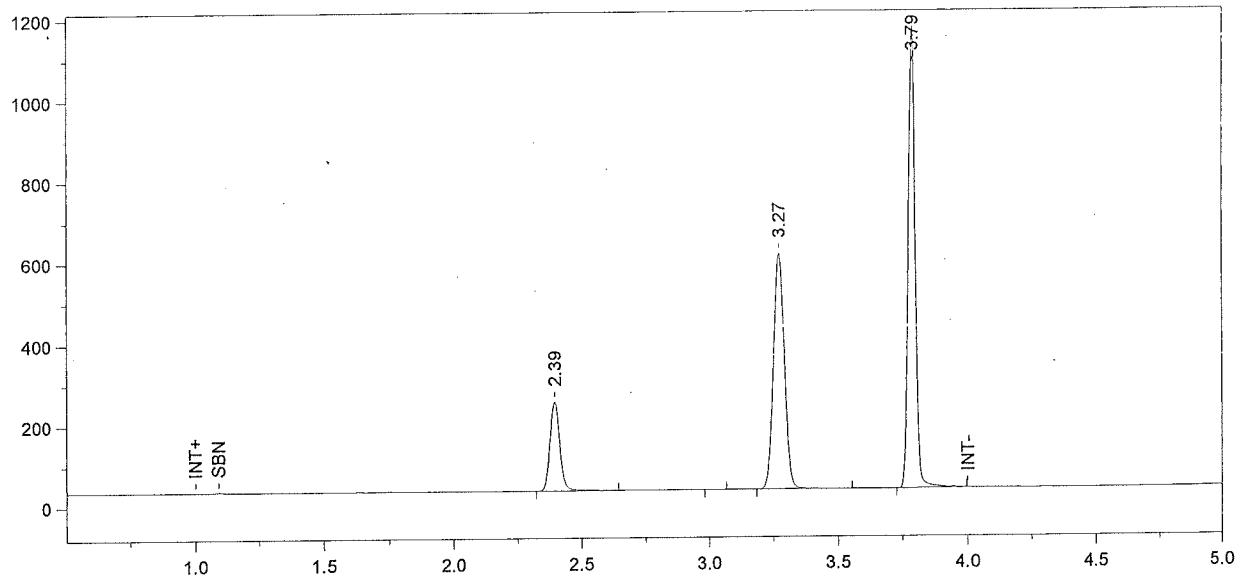
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
3	2.40	Ethanol	1143669	0.1891
4	2.77	Acetone	08293	<0.005
6	3.27	t-Butanol	1994954	0.9870
7	3.79	n-Propanol	2344104	1.0000



Format File Name = Alcohol4-JFH.met.FMT

Today's Date = 5/7/2009
Today's Time = 11:02:34 AM
Bound File Name = Alc050709.0008.RAW
Sample Name = Aq QC
Date Taken = 5/7/2009 10:15:08 AM
VDH Headspace Alcohol
Method file = BloodAlcohol4.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 101

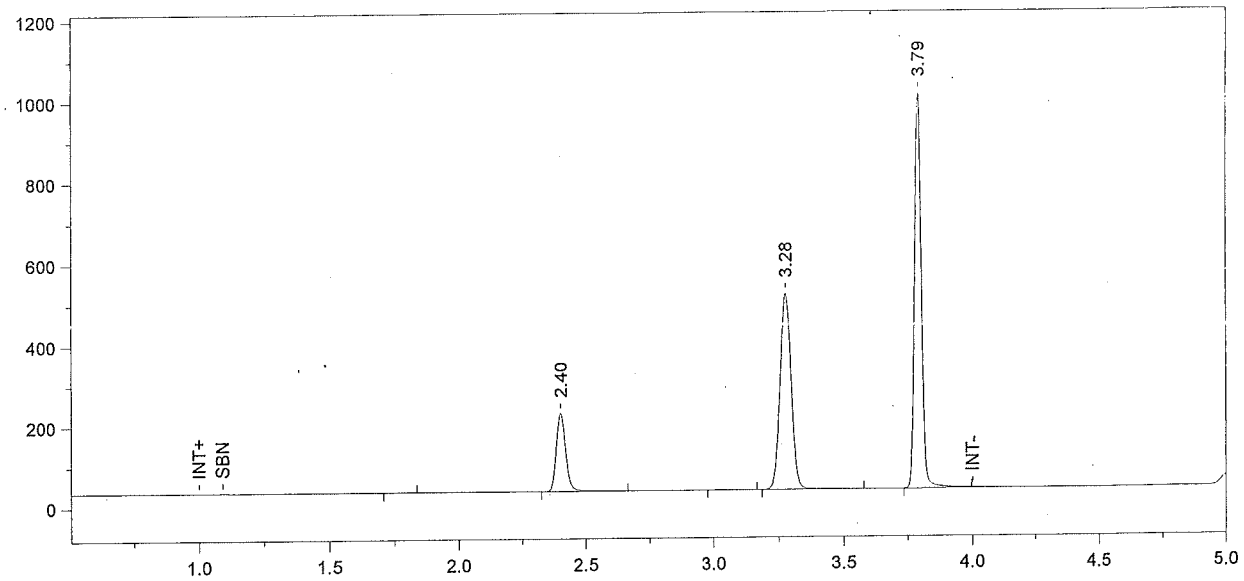
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
1	2.39	Ethanol	490874	0.0820
3	3.27	t-Butanol	2004690	1.0019
4	3.79	n-Propanol	2320588	1.0000



Format File Name = Alcohol4-JFH.met.FMT

Today's Date = 5/7/2009
Today's Time = 2:48:58 PM
Bound File Name = Alc050709.0011.RAW
Sample Name = CCS
Date Taken = 5/7/2009 2:48:53 PM
VDH Headspace Alcohol
Method file = BloodAlcohol4.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 101

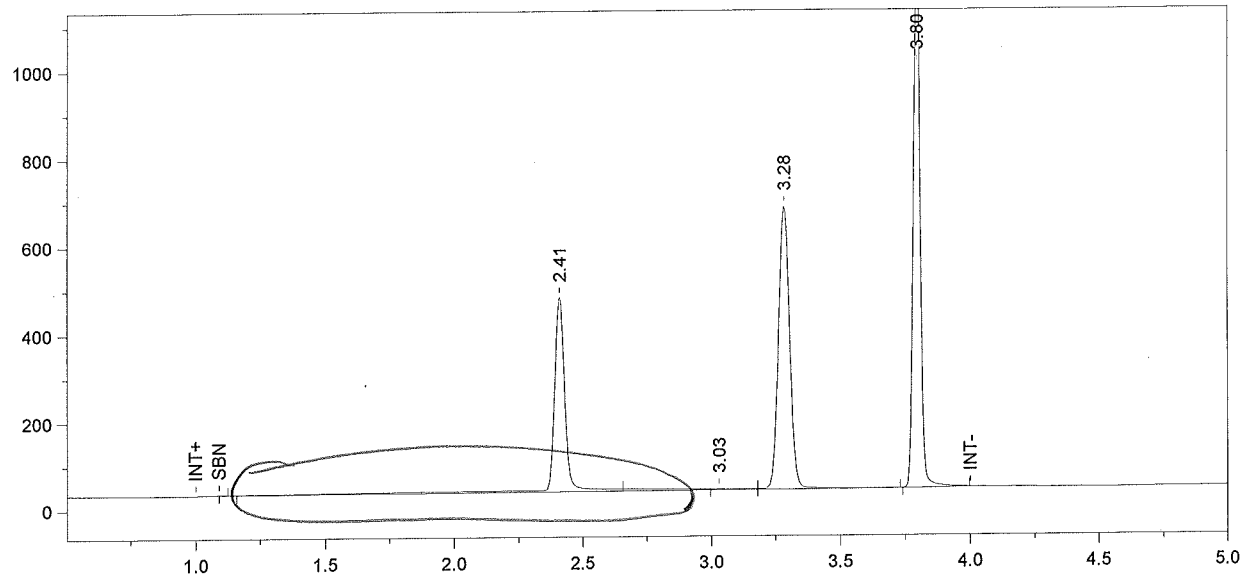
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
1	2.39	Ethanol	581461	0.1067
3	3.27	t-Butanol	1745252	0.9582
4	3.79	n-Propanol	2112349	1.0000



Format File Name = Alcohol4-JFH.met.FMT

Today's Date = 5/7/2009
Today's Time = 3:03:57 PM
Bound File Name = Alc050709.0012.RAW
Sample Name = CCS
Date Taken = 5/7/2009 3:03:54 PM
VDH Headspace Alcohol
Method file = BloodAlcohol4.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 101

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.40	Ethanol	519108	0.1107
4	3.28	t-Butanol	1448928	0.9244
5	3.79	n-Propanol	1817790	1.0000

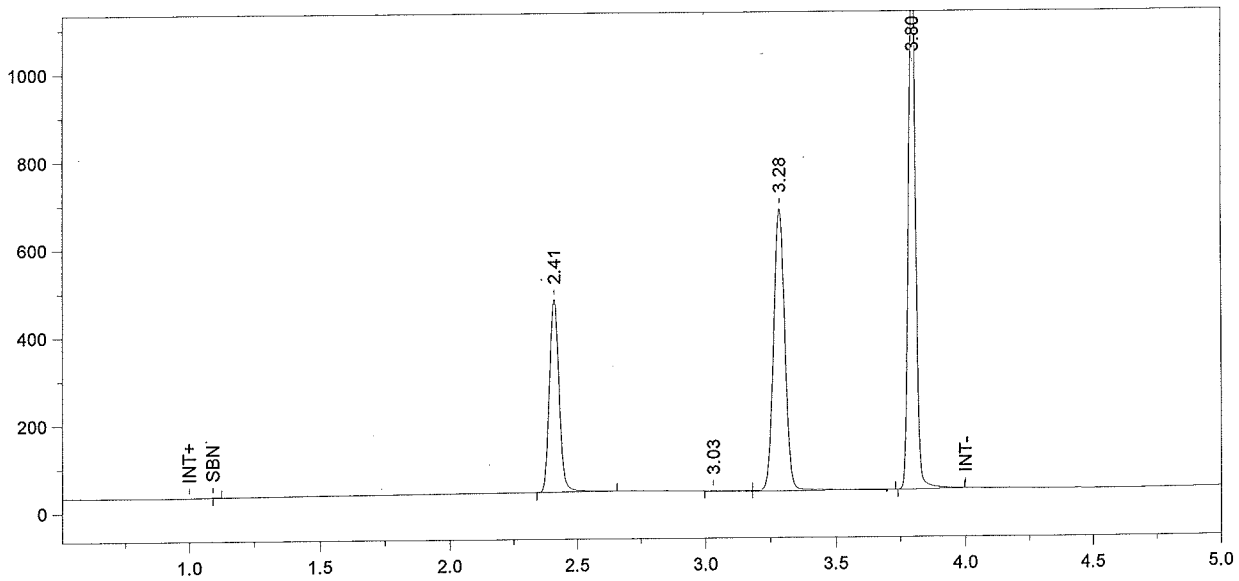


Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/7/2009
Today's Time = 3:19:04 PM
Bound File Name = Alc050709.0013.RAW
Sample Name = 0.16 sim DMR
Date Taken = 5/7/2009 3:18:56 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 101

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.41	Ethanol	1343445	0.2283	0.1863
4	3.28	t-Butanol	1946108	0.9894	0.8076
5	3.80	n-Propanol	2281229	1.0000	0.8162

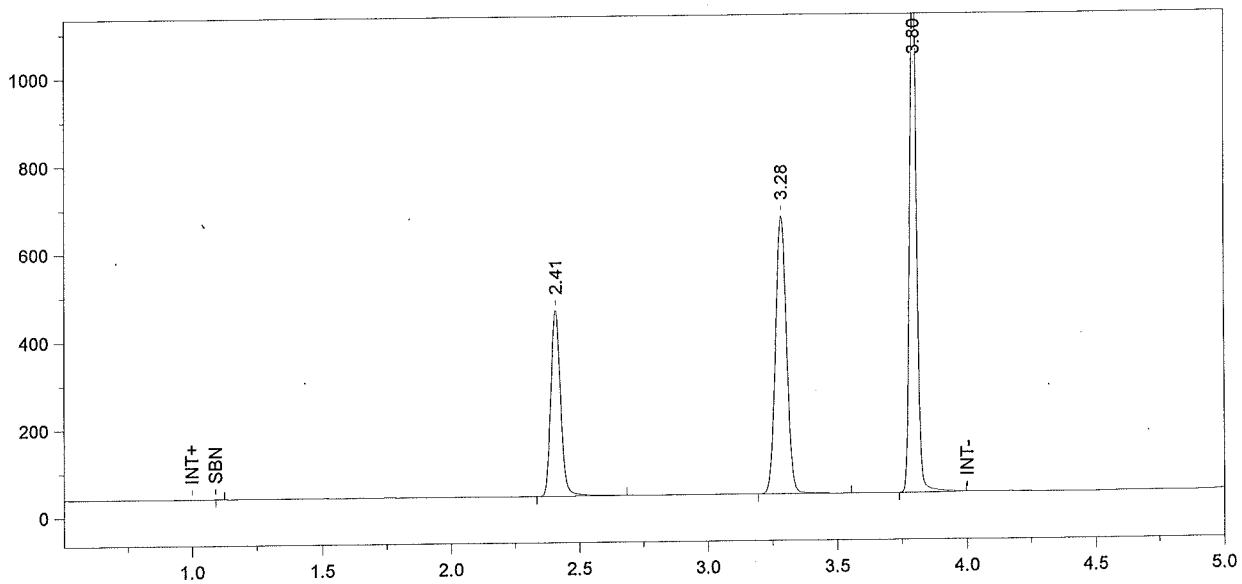
Reintigrated manually
5/8/09



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/8/2009
Today's Time = 9:48:22 AM
Bound File Name = Alc050709.0013.RAW
Sample Name = 0.16 sim DMR
Date Taken = 5/7/2009 3:18:56 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 101

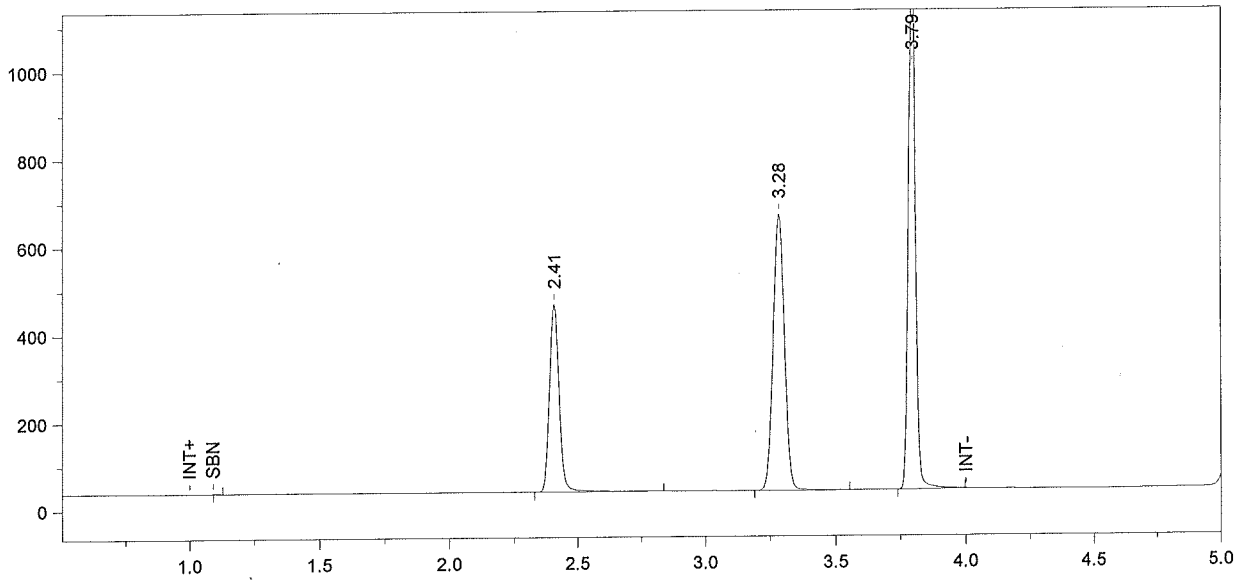
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.41	Ethanol	1161317	0.1973	0.1610
4	3.28	t-Butanol	1946108	0.9894	0.8076
5	3.80	n-Propanol	2281229	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/7/2009
Today's Time = 3:34:00 PM
Bound File Name = Alc050709.0014.RAW
Sample Name = 0.16 sim DMR
Date Taken = 5/7/2009 3:33:55 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 101

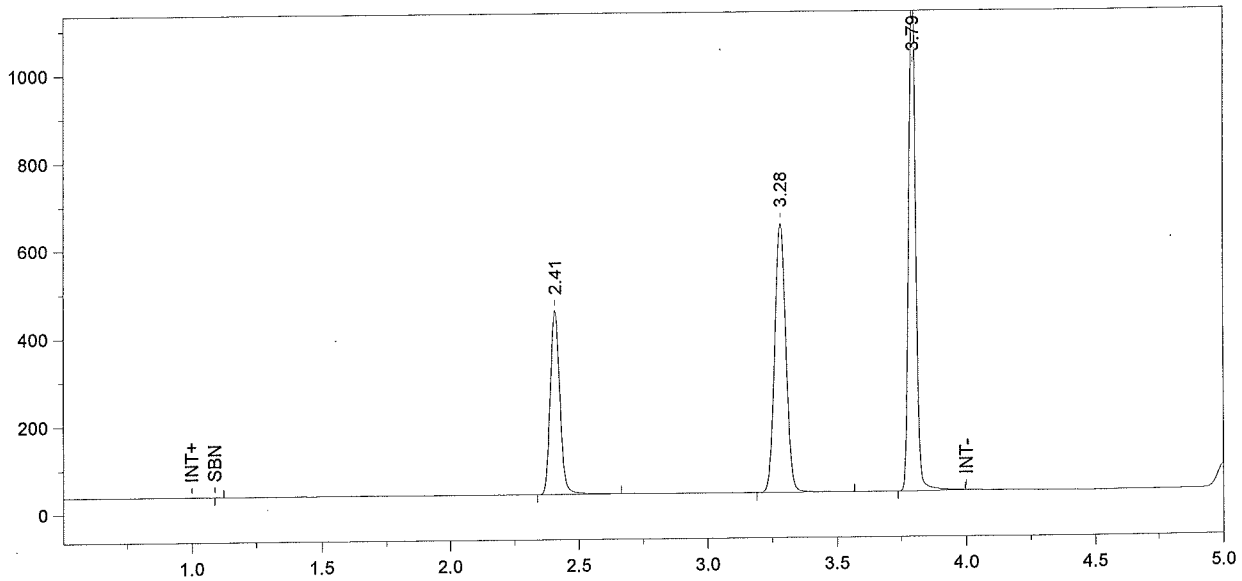
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.41	Ethanol	1122240	0.1961	0.1600
3	3.28	t-Butanol	1893288	0.9899	0.8079
4	3.80	n-Propanol	2218290	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/7/2009
Today's Time = 3:49:13 PM
Bound File Name = Alc050709.0015.RAW
Sample Name = 0.16 sim DMR
Date Taken = 5/7/2009 3:49:08 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 101

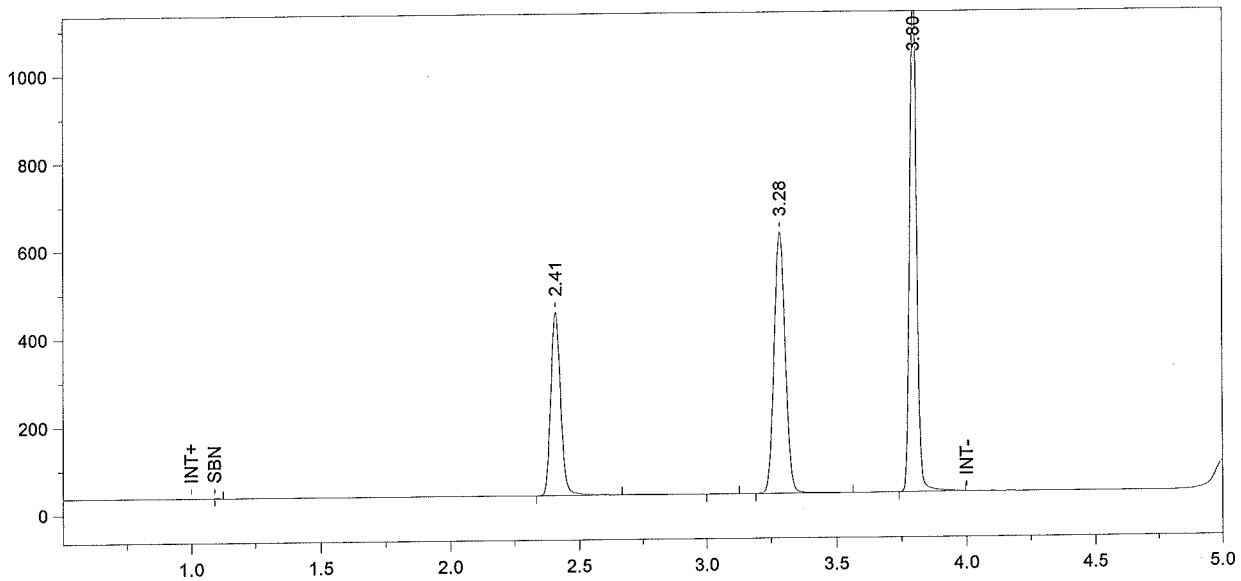
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.41	Ethanol	1137217	0.1987	0.1622
3	3.28	t-Butanol	1873870	0.9797	0.7996
4	3.79	n-Propanol	2218364	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/7/2009
Today's Time = 4:04:12 PM
Bound File Name = Alc050709.0016.RAW
Sample Name = 0.16 sim DMR
Date Taken = 5/7/2009 4:04:10 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 101

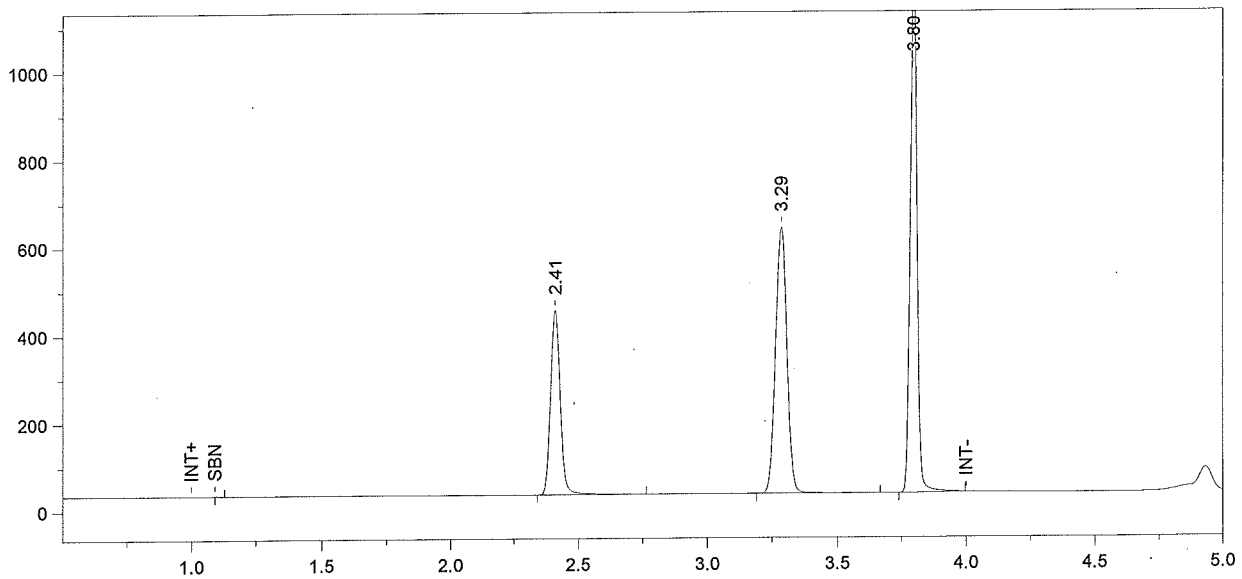
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.41	Ethanol	1104087	0.1973	0.1610
3	3.28	t-Butanol	1835695	0.9816	0.8012
4	3.79	n-Propanol	2168800	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/7/2009
Today's Time = 4:19:06 PM
Bound File Name = Alc050709.0017.RAW
Sample Name = 0.16 sim DMR
Date Taken = 5/7/2009 4:18:59 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 101

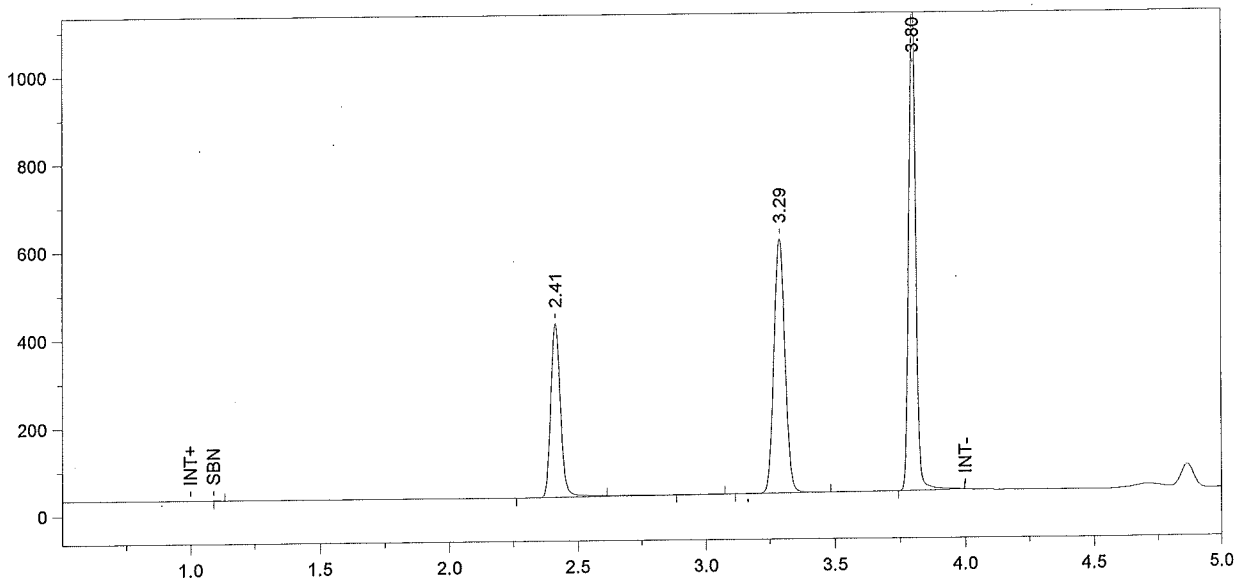
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.41	Ethanol	1107305	0.1996	0.1629
4	3.28	t-Butanol	1777025	0.9587	0.7825
5	3.80	n-Propanol	2149833	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/7/2009
Today's Time = 4:34:02 PM
Bound File Name = Alc050709.0018.RAW
Sample Name = 0.16 sim DMR
Date Taken = 5/7/2009 4:34:00 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 101

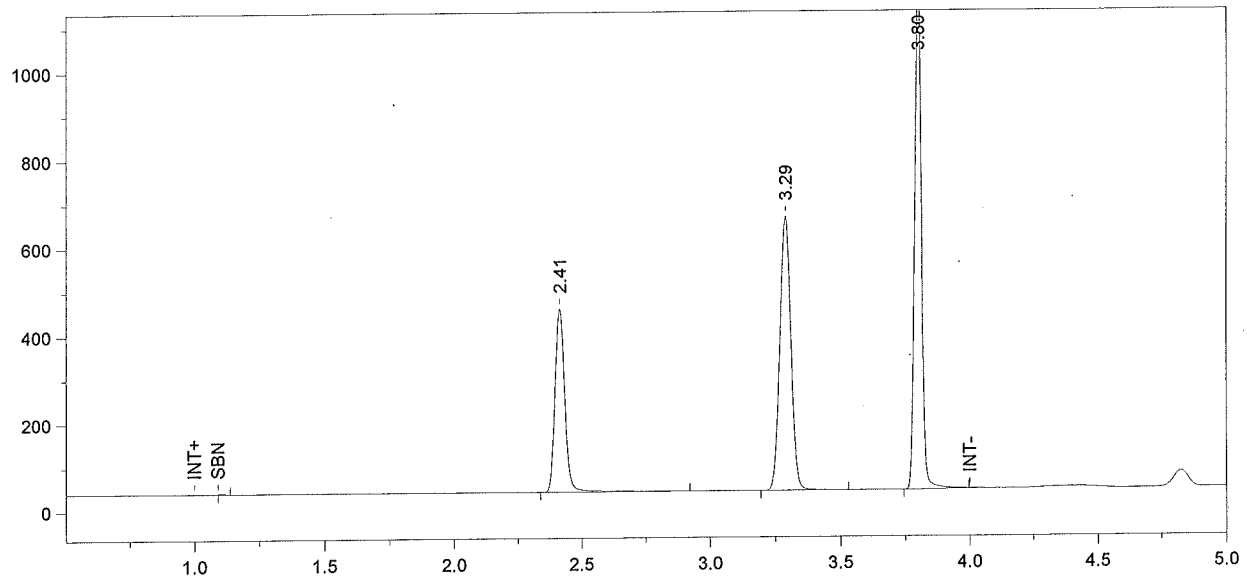
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.41	Ethanol	1114141	0.1992	0.1625
3	3.29	t-Butanol	1817526	0.9722	0.7935
4	3.80	n-Propanol	2168307	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/7/2009
Today's Time = 4:49:05 PM
Bound File Name = Alc050709.0019.RAW
Sample Name = 0.16 sim DMR
Date Taken = 5/7/2009 4:49:02 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 101

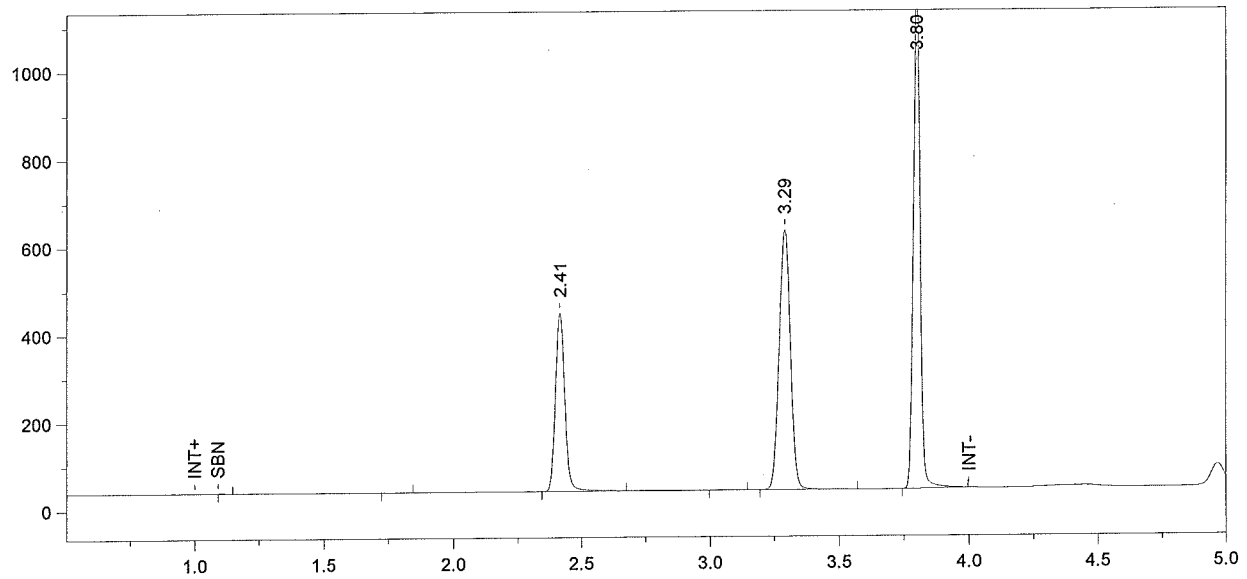
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.41	Ethanol	1055110	0.1954	0.1595
4	3.29	t-Butanol	1727759	0.9576	0.7816
5	3.80	n-Propanol	2092488	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/7/2009
Today's Time = 5:04:08 PM
Bound File Name = Alc050709.0020.RAW
Sample Name = 0.16 sim ALB
Date Taken = 5/7/2009 5:04:03 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 101

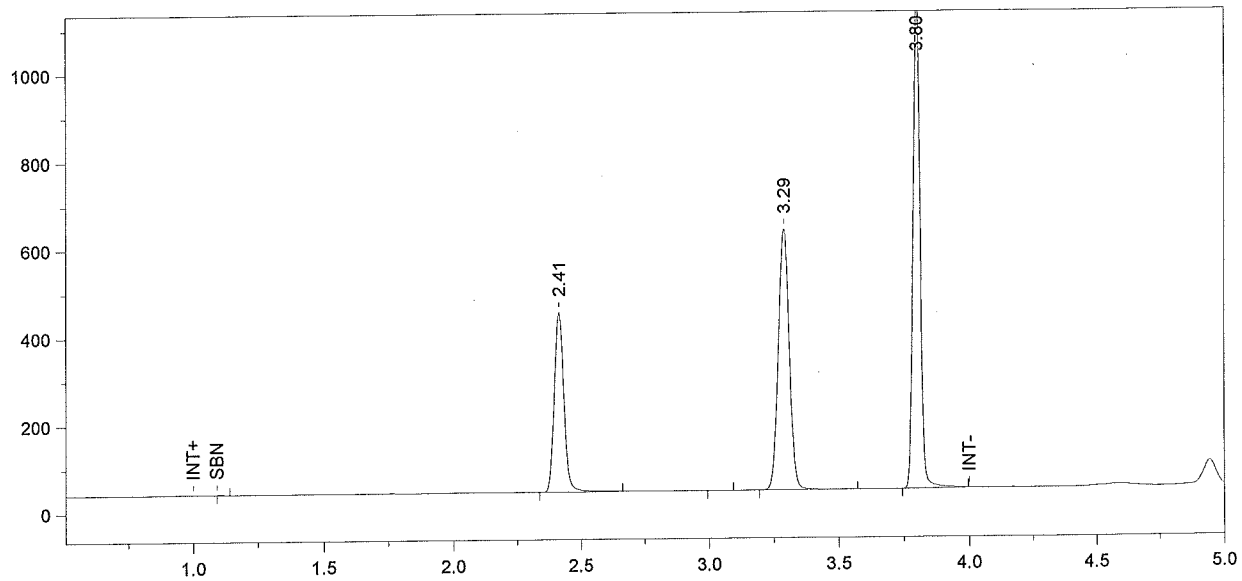
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.41	Ethanol	1117601	0.1995	0.1628
3	3.29	t-Butanol	1859629	0.9932	0.8106
4	3.80	n-Propanol	2171628	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/7/2009
Today's Time = 5:19:14 PM
Bound File Name = Alc050709.0021.RAW
Sample Name = 0.16 sim ALB
Date Taken = 5/7/2009 5:19:08 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 101

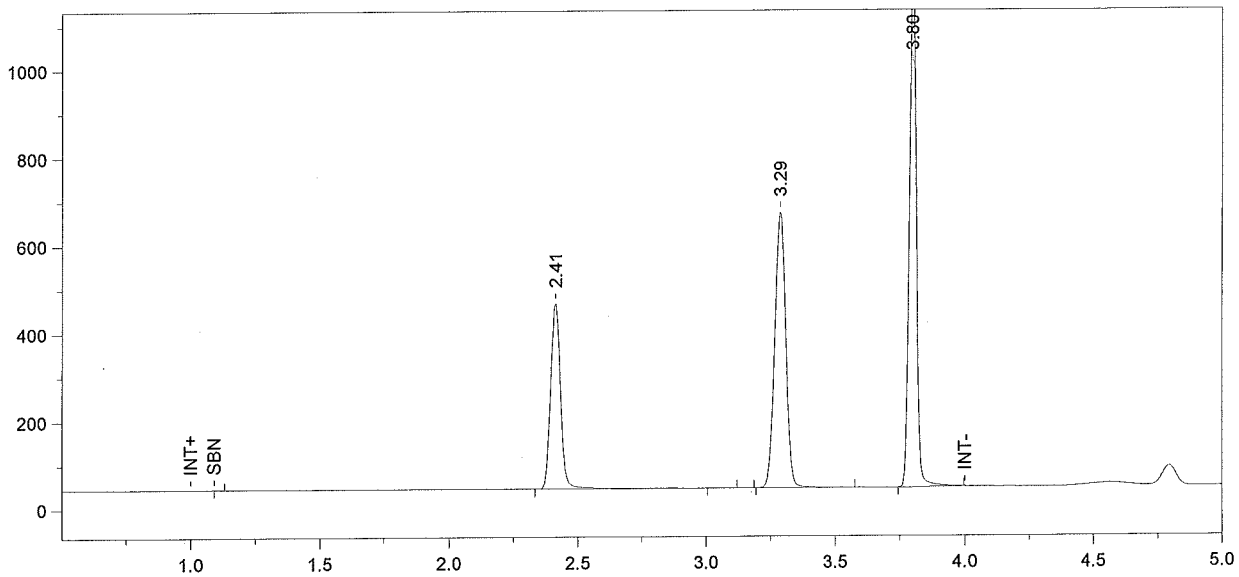
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	2.41	Ethanol	1084303	0.1998	0.1631
5	3.29	t-Butanol	1768658	0.9751	0.7959
6	3.80	n-Propanol	2103594	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/7/2009
Today's Time = 5:34:11 PM
Bound File Name = Alc050709.0022.RAW
Sample Name = 0.16 sim ALB
Date Taken = 5/7/2009 5:34:08 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 101

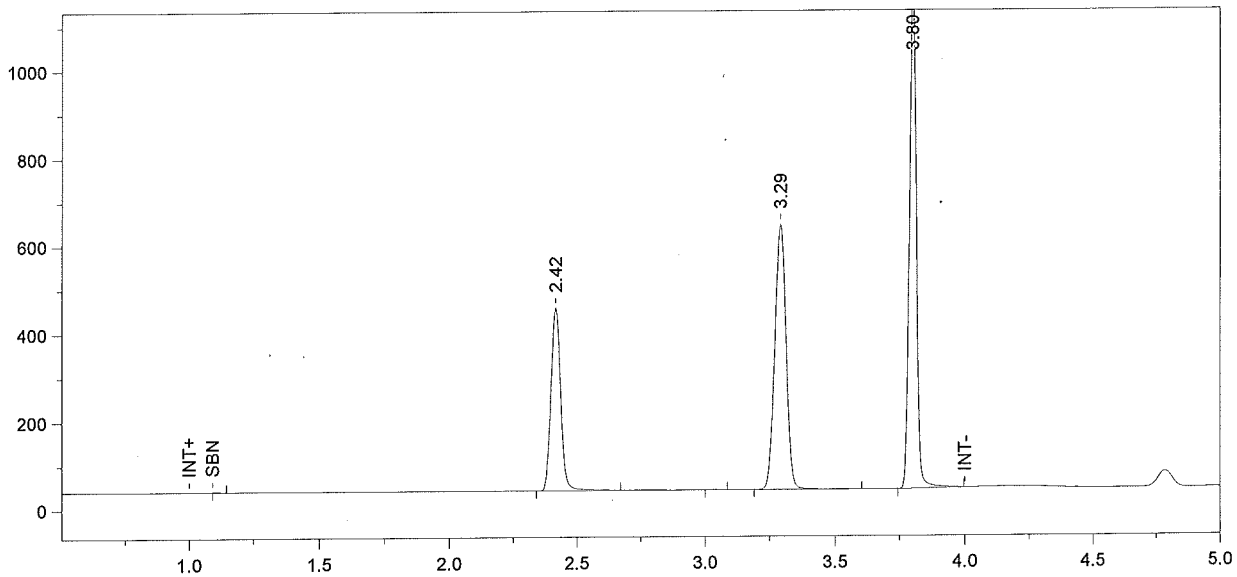
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.41	Ethanol	1079949	0.1980	0.1616
4	3.29	t-Butanol	1773874	0.9733	0.7944
5	3.80	n-Propanol	2113699	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/7/2009
Today's Time = 5:49:12 PM
Bound File Name = Alc050709.0023.RAW
Sample Name = 0.16 sim ALB
Date Taken = 5/7/2009 5:49:09 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 101

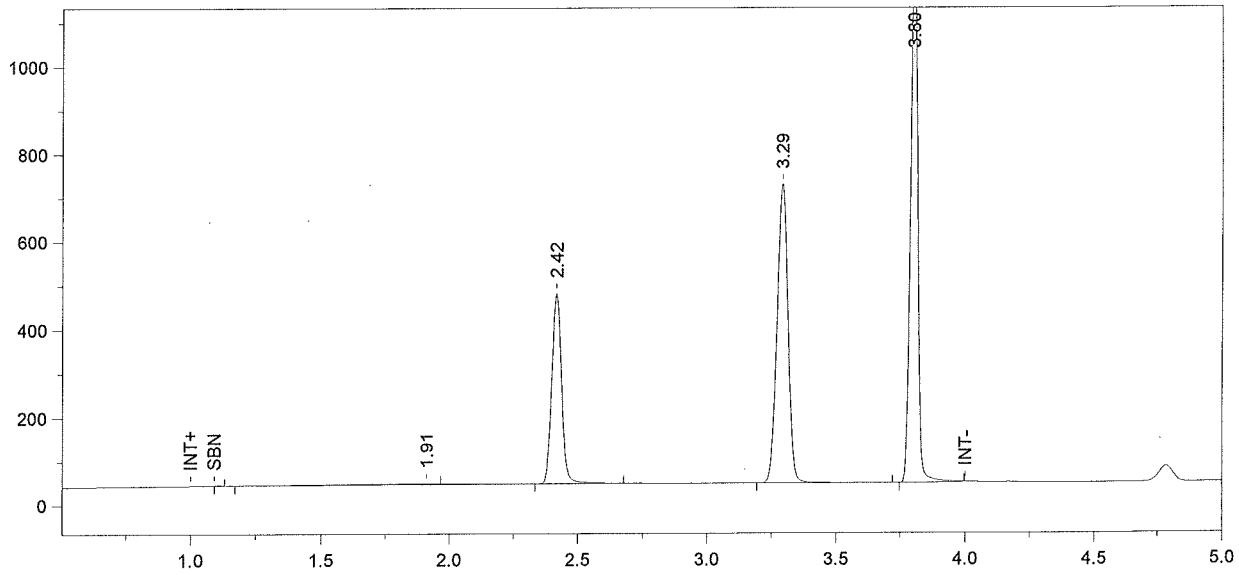
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.41	Ethanol	1131179	0.1987	0.1622
4	3.29	t-Butanol	1874776	0.9853	0.8042
5	3.80	n-Propanol	2206854	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/7/2009
Today's Time = 6:04:16 PM
Bound File Name = Alc050709.0024.RAW
Sample Name = 0.16 sim ALB
Date Taken = 5/7/2009 6:04:11 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 101

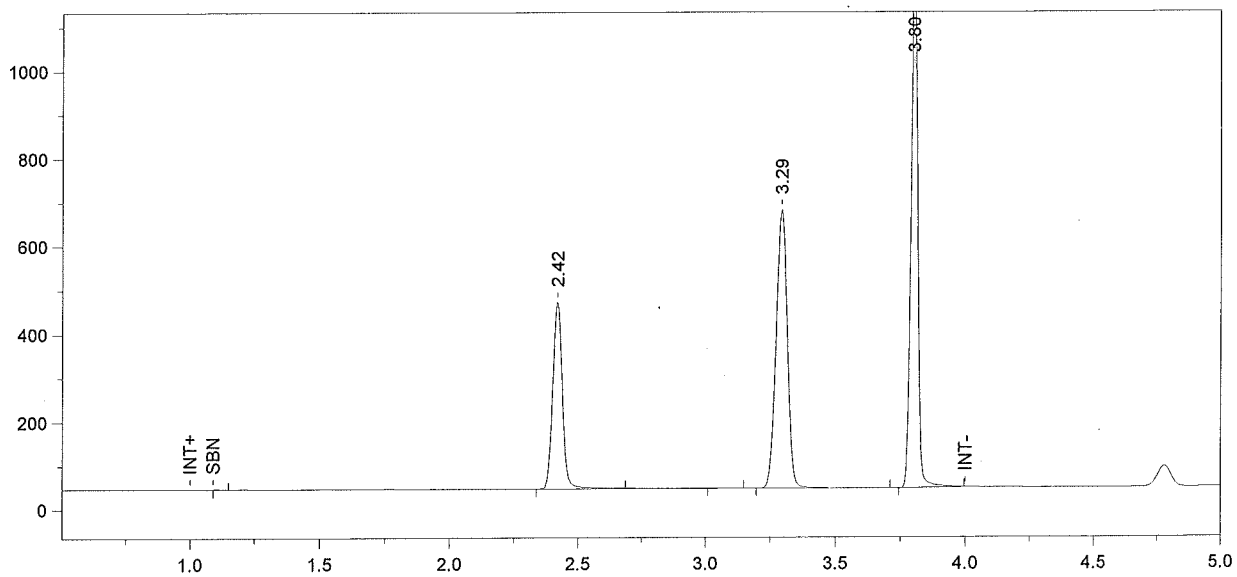
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.42	Ethanol	1107298	0.2002	0.1634
4	3.29	t-Butanol	1794607	0.9708	0.7924
5	3.80	n-Propanol	2143864	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/7/2009
Today's Time = 6:19:21 PM
Bound File Name = Alc050709.0025.RAW
Sample Name = 0.16 sim ALB
Date Taken = 5/7/2009 6:19:12 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 101

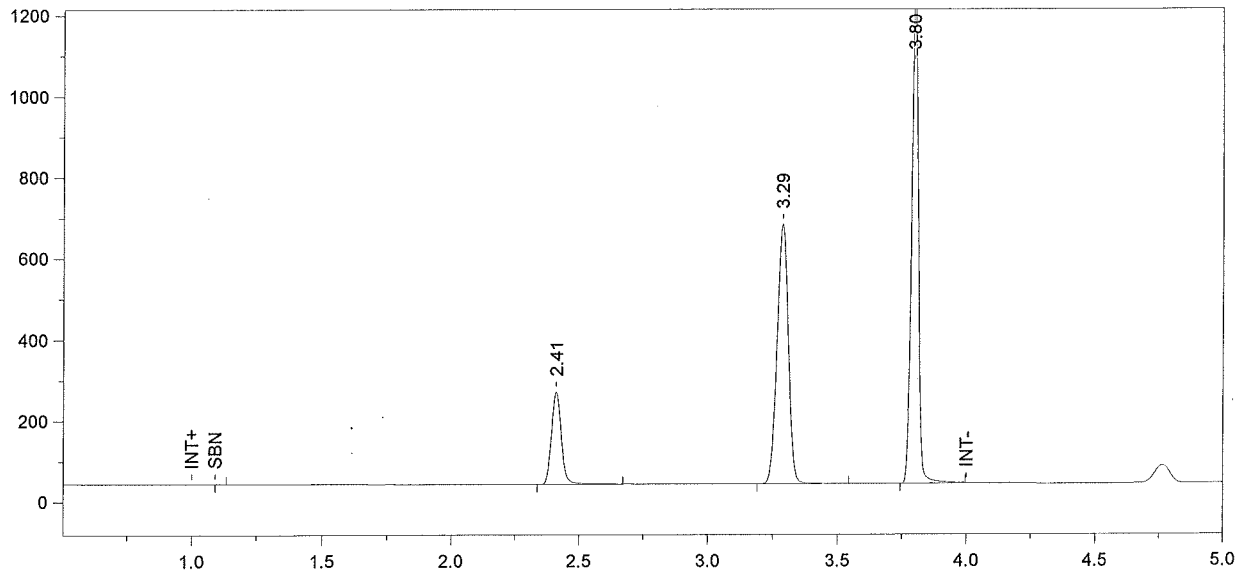
Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
3	2.42	Ethanol	1140365	0.1869	0.1526
4	3.29	t-Butanol	2032125	0.9968	0.8136
5	3.80	n-Propanol	2364294	1.0000	0.8162



Format File Name = simsoln-JFH.met.FMT

Today's Date = 5/7/2009
Today's Time = 6:34:13 PM
Bound File Name = Alc050709.0026.RAW
Sample Name = 0.16 sim ALB
Date Taken = 5/7/2009 6:34:12 PM
VDH Headspace Alcohol
Method file = simsoln.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 101

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL	Headspace Conversion
2	2.42	Ethanol	1132430	0.1978	0.1614
4	3.29	t-Butanol	1893634	0.9895	0.8076
5	3.80	n-Propanol	2219451	1.0000	0.8162



Format File Name = Alcohol4-JFH.met.FMT

Today's Date = 5/7/2009
Today's Time = 6:49:29 PM
Bound File Name = Alc050709.0027.RAW
Sample Name = CCS
Date Taken = 5/7/2009 6:49:25 PM
VDH Headspace Alcohol
Method file = BloodAlcohol4.met
Calibration file = BloodAlcohol4.cal
Calibration Version = 101

Peak Number	Ret Time (min)	Peak Name	Area	Amount % WT/VOL
2	2.41	Ethanol	605005	0.1043
3	3.29	t-Butanol	1912349	0.9868
4	3.80	n-Propanol	2247543	1.0000