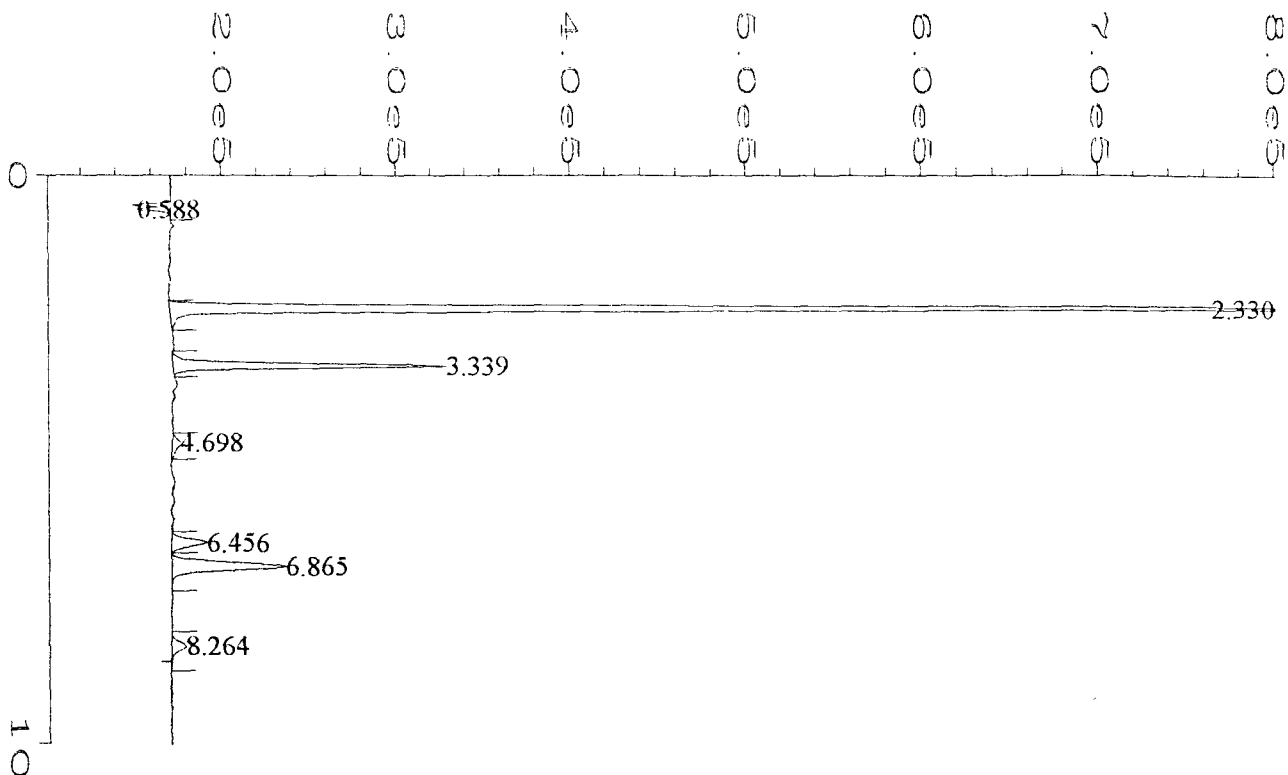


GW - 1

WORK PLANS

1994



External Standard Report

Data File Name : A:\NV-F0945.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-45, PH-23
 Run Time Bar Code:
 Acquired on : 10 Dec 93 02:56 PM
 Report Created on: 21 Jan 94 04:49 PM
 Last Recalib on : 21 Jan 94 03:48 PM
 Multiplier : 1

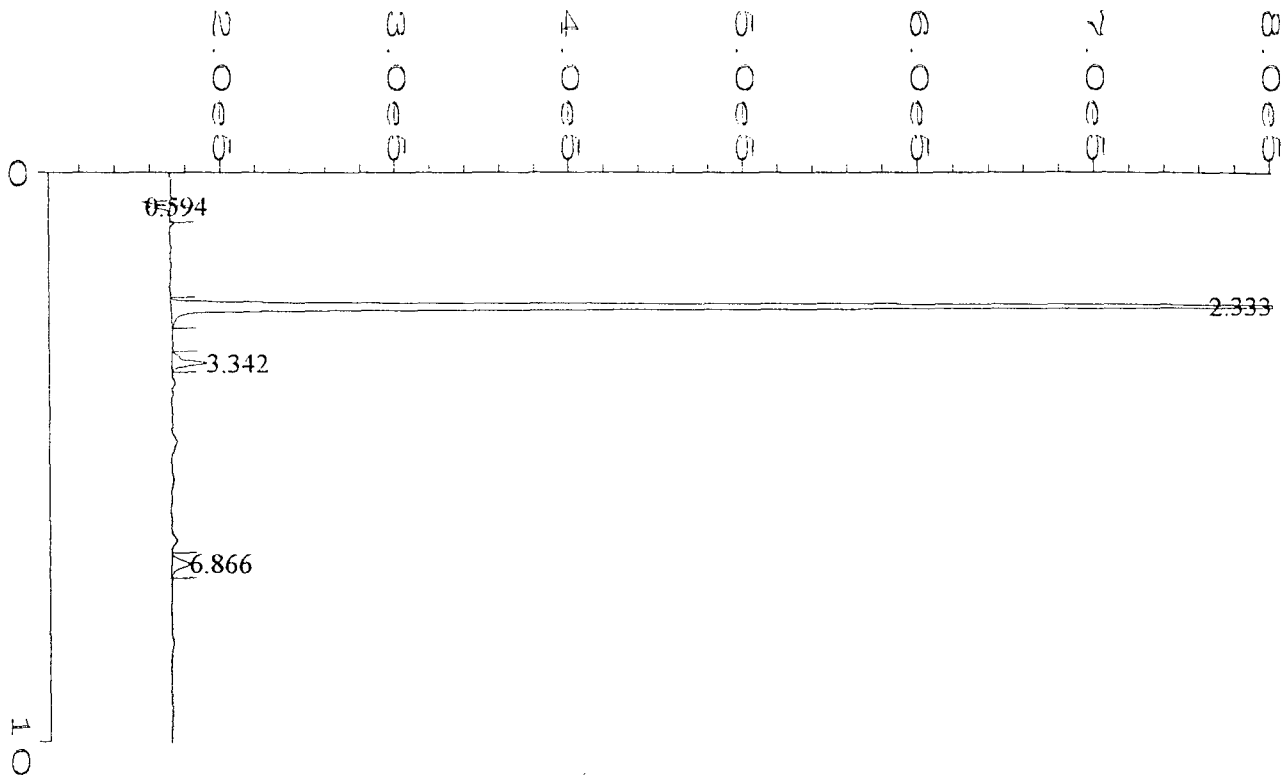
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F0945.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.754	* not found *			1		Benzene
2.330	4650650	BV	0.079	1-R	0.00138	a,a,a-TFT
3.339	919591	BV	0.090	1	11.317	Toluene
6.456	179924	BV	0.137	1	2.752	Ethylbenzene
6.865	630135	VB	0.149	1	8.494	m & p-Xylene
8.264	96175	BB	0.140	1	1.632	o-Xylene
0.588	71365	PV -	0.056		7.14E-005	* uncalibrated *
4.698	63916	BV	0.183		6.39E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.354	2.330	-1.0%

Not all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F0946.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-46, PH-23
 Run Time Bar Code:
 Acquired on : 10 Dec 93 03:22 PM
 Report Created on: 21 Jan 94 04:50 PM
 Last Recalib on : 21 Jan 94 03:48 PM
 Multiplier : 1

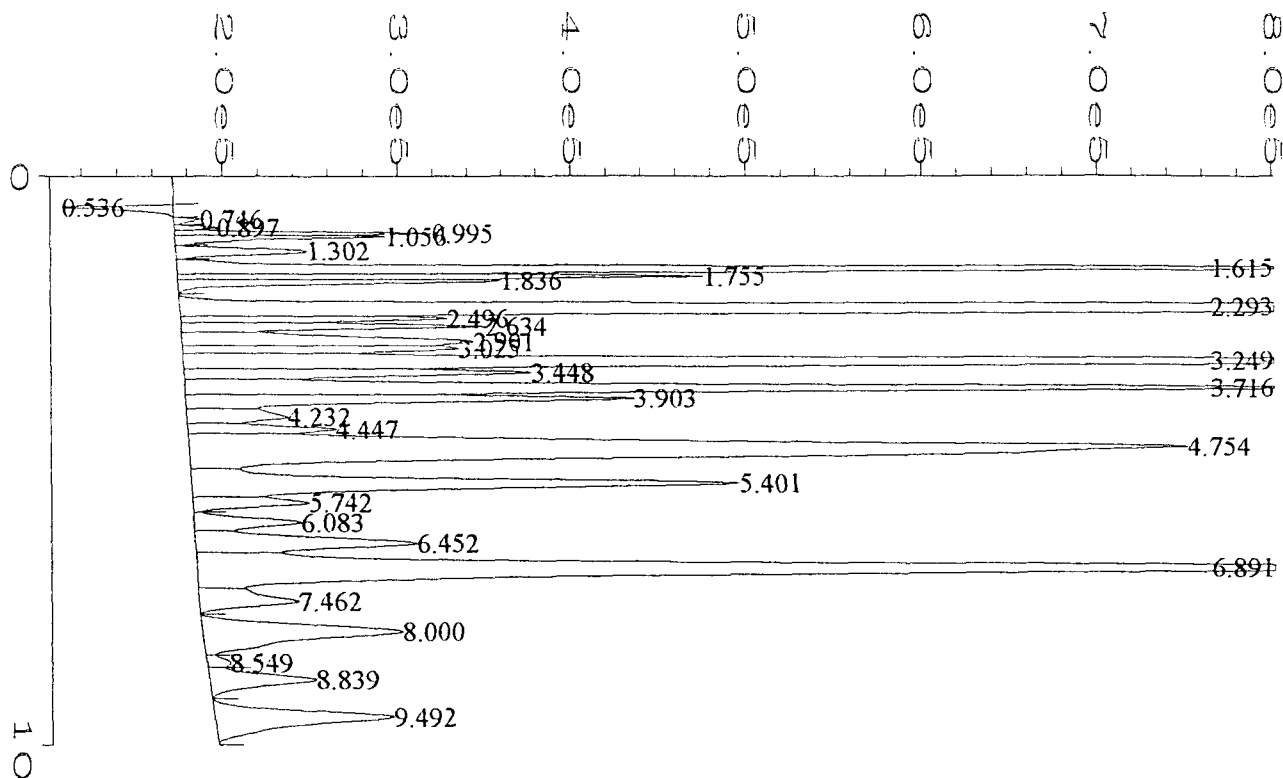
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F0946.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.754	* not found *			1		Benzene
2.333	5169995	BB	0.078	1-R	0.00154	a,a,a-TFT
3.342	139848	BV	0.100	1	1.721	Toluene
6.507	* not found *			1		Ethylbenzene
6.866	100684	BV	0.125	1	1.357	m & p-Xylene
8.325	* not found *			1		o-Xylene
0.594	42332	PP -	0.047		4.23E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.354	2.333	-0.9%

Not all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F0947.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-47, PH-24
 Run Time Bar Code:
 Acquired on : 10 Dec 93 03:46 PM
 Report Created on: 21 Jan 94 04:51 PM
 Last Recalib on : 21 Jan 94 03:48 PM
 Multiplier : 1

Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F0947.D

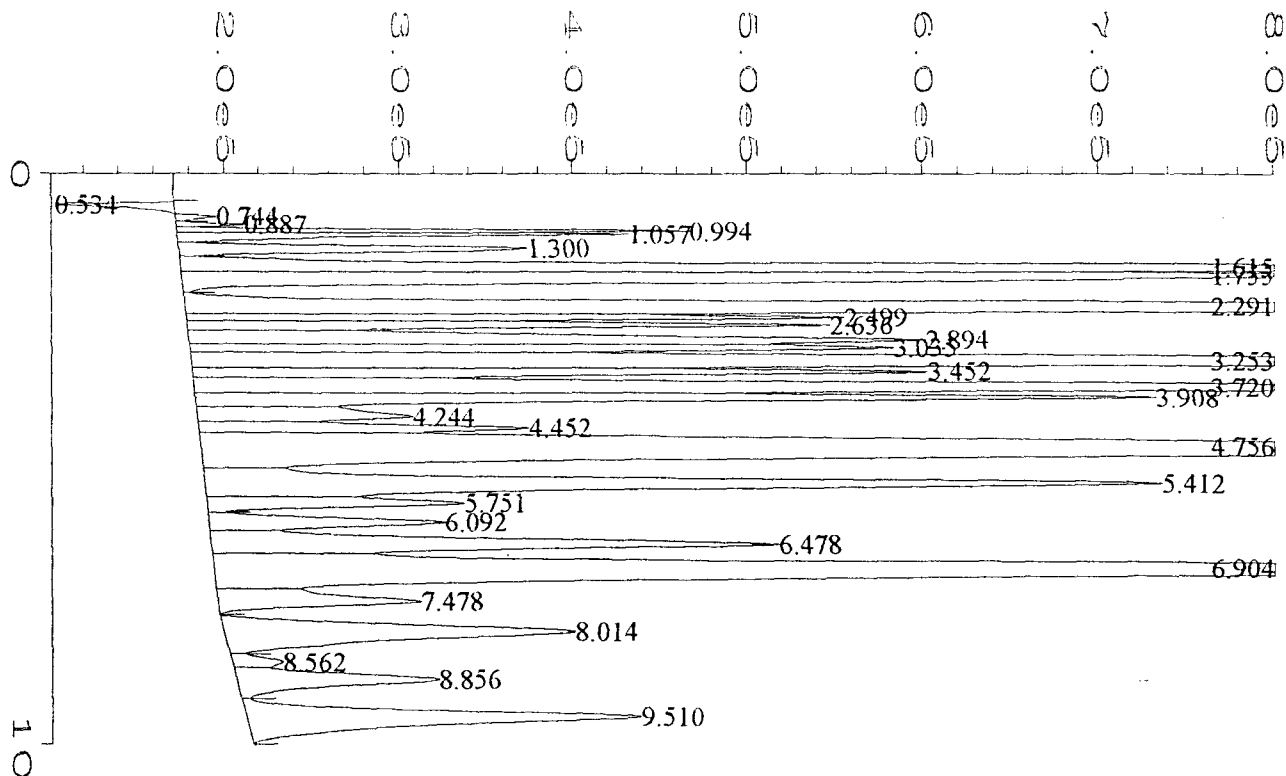
Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.755	1505786	VV	0.072	1	16.109	Benzene
2.293	2.03574E+007	VV	0.112	1-R	0.00605	a,a,a-TFT
3.249	9347478	VV	0.117	1	115.037	Toluene
6.452	1785885	VV	0.217	1	27.315	Ethylbenzene
6.891	1.07266E+007	VV	0.184	1	144.584	m & p-Xylene
8.000	2114308	PV	0.280	1	35.869	o-Xylene
0.536	308524	BP	0.081		0.000309	* uncalibrated *
0.746	65001	PV	0.064		6.50E-005	* uncalibrated *
0.897	94738	VV	0.064		9.47E-005	* uncalibrated *
0.995	505404	VV	0.052		0.000505	* uncalibrated *
1.056	551003	VV	0.065		0.000551	* uncalibrated *
1.302	595038	VV	0.111		0.000595	* uncalibrated *
1.615	5304020	VV	0.079		0.00530	* uncalibrated *
1.836	950060	VV	0.076		0.000950	* uncalibrated *
2.496	822155	VV	0.080		0.000822	* uncalibrated *
2.634	1145493	VV	0.099		0.00115	* uncalibrated *
2.901	1729786	VV	0.146		0.00173	* uncalibrated *

File Name : A:\NV-F0947.D
Operator :
Instrument : RECON GC
Sample Name : SG-47, PH-24
In Time Bar Code:
Acquired on : 10 Dec 93 03:46 PM
Report Created on: 21 Jan 94 04:51 PM
Last Recalib on : 21 Jan 94 03:48 PM
Multiplier : 1

Page Number : 2
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: BLOOMREF.MTH
Analysis Method : BLOOMREF.MTH
Sample Amount : 0
ISTD Amount :

3.025	1138166	VV	0.105	0.00114	* uncalibrated *
3.448	1536009	VV	0.115	0.00154	* uncalibrated *
3.716	5641701	VV	0.125	0.00564	* uncalibrated *
3.903	2184127	VV	0.126	0.00218	* uncalibrated *
4.232	720935	VV	0.177	0.000721	* uncalibrated *
4.447	686357	VV	0.122	0.000686	* uncalibrated *
4.754	1.04592E+007	VV	0.243	0.0105	* uncalibrated *
5.401	3933209	VV	0.186	0.00393	* uncalibrated *
5.742	659928	VV	0.151	0.000660	* uncalibrated *
6.083	685110	VV	0.172	0.000685	* uncalibrated *
7.462	855637	VV	0.217	0.000856	* uncalibrated *
8.549	139568	VV	0.160	0.000140	* uncalibrated *
8.839	858840	VV	0.215	0.000859	* uncalibrated *
9.492	1747089	VBA	0.255	0.00175	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.354	2.293	-2.6%



External Standard Report

File Name : A:\NV-F0948.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-48, PH-24
 Time Bar Code:
 Acquired on : 10 Dec 93 04:10 PM
 Report Created on: 21 Jan 94 04:52 PM
 Last Recalib on : 21 Jan 94 03:48 PM
 Multiplier : 1

Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

1 in A:\NV-F0948.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.755	8247648	VV	0.100	1	88.232	Benzene
2.291	4.95426E+007	VV	0.093	1-R	0.0147	a,a,a-TFT
3.253	2.19795E+007	VV	0.116	1	270.497	Toluene
6.478	4109196	VV	0.187	1	62.849	Ethylbenzene
6.904	2.45163E+007	VV	0.178	1	330.455	m & p-Xylene
8.014	3679035	PV	0.275	1	62.414	o-Xylene
0.534	335569	BP	0.082		0.000336	* uncalibrated *
0.744	98304	PV	0.062		9.83E-005	* uncalibrated *
0.887	136611	VV	0.055		0.000137	* uncalibrated *
0.994	980116	VV	0.051		0.000980	* uncalibrated *
1.057	1201118	VV	0.066		0.00120	* uncalibrated *
1.300	1522303	VV	0.124		0.00152	* uncalibrated *
1.615	1.47151E+007	VV	0.079		0.0147	* uncalibrated *
2.499	2193724	VV	0.086		0.00219	* uncalibrated *
2.636	2383945	VV	0.097		0.00238	* uncalibrated *
2.894	4132082	VV	0.139		0.00413	* uncalibrated *
3.035	3001583	VV	0.109		0.00300	* uncalibrated *

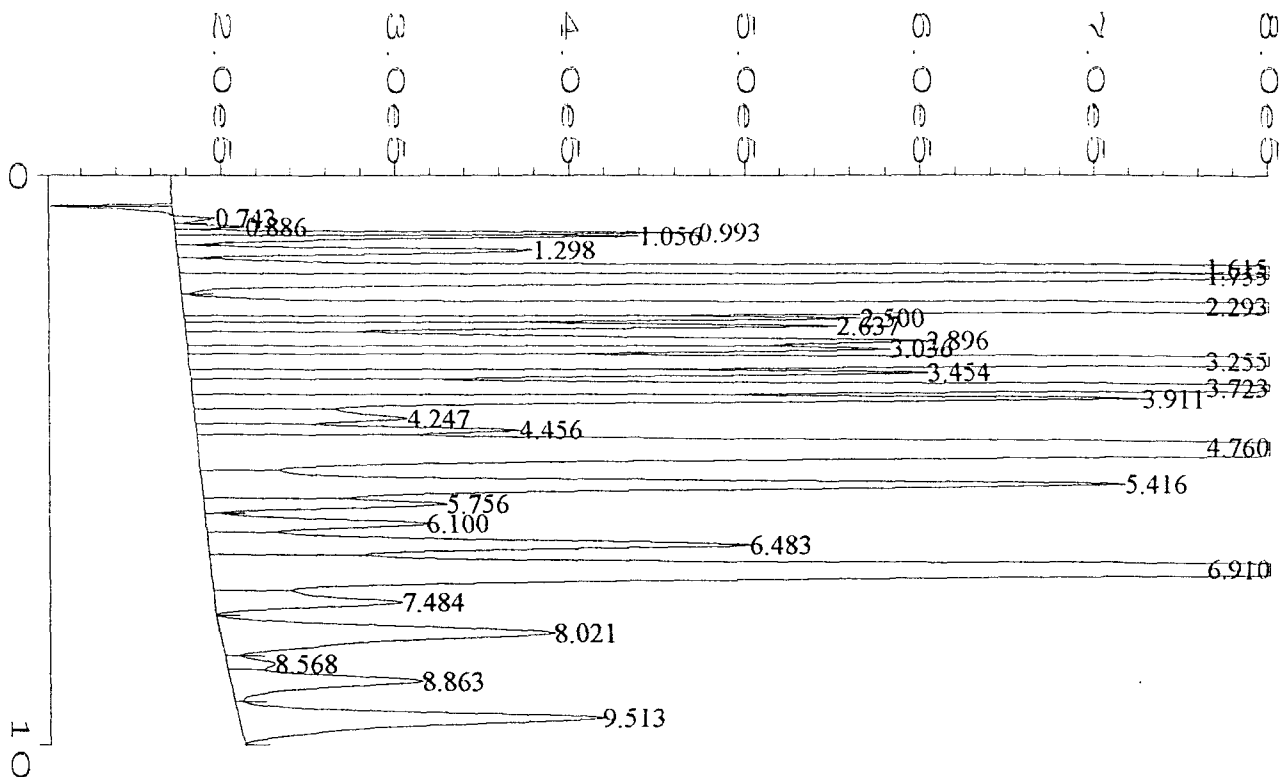
ta File Name : A:\NV-F0948.D
erator :
nstrument : RECON GC
Sample Name : SG-48, PH-24
n Time Bar Code:
Required on : 10 Dec 93 04:10 PM
Report Created on: 21 Jan 94 04:52 PM
st Recalib on : 21 Jan 94 03:48 PM
ltiplier : 1

Page Number : 2
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: BLOOMREF.MTH
Analysis Method : BLOOMREF.MTH
Sample Amount : 0
ISTD Amount :

3.452	3213953	VV	0.114	0.00321	* uncalibrated *
3.720	1.09685E+007	VV	0.126	0.0110	* uncalibrated *
3.908	4575777	VV	0.124	0.00458	* uncalibrated *
4.244	1556683	VV	0.176	0.00156	* uncalibrated *
4.452	1578982	VV	0.125	0.00158	* uncalibrated *
4.756	1.98992E+007	VV	0.223	0.0199	* uncalibrated *
5.412	6973750	VV	0.190	0.00697	* uncalibrated *
5.751	1496591	VV	0.154	0.00150	* uncalibrated *
6.092	1507736	VV	0.173	0.00151	* uncalibrated *
7.478	1630089	VV	0.206	0.00163	* uncalibrated *
8.562	312106	VV	0.168	0.000312	* uncalibrated *
8.856	1704502	VV	0.222	0.00170	* uncalibrated *
9.510	3856846	VBA	0.252	0.00386	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.354	2.291	-2.7%

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External Standard Report

Data File Name : A:\NV-F0949.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-48(D), PH-24
 Run Time Bar Code:
 Acquired on : 10 Dec 93 04:34 PM
 Report Created on: 21 Jan 94 04:54 PM
 Last Recalib on : 21 Jan 94 03:48 PM
 Multiplier : 1

Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F0949.D

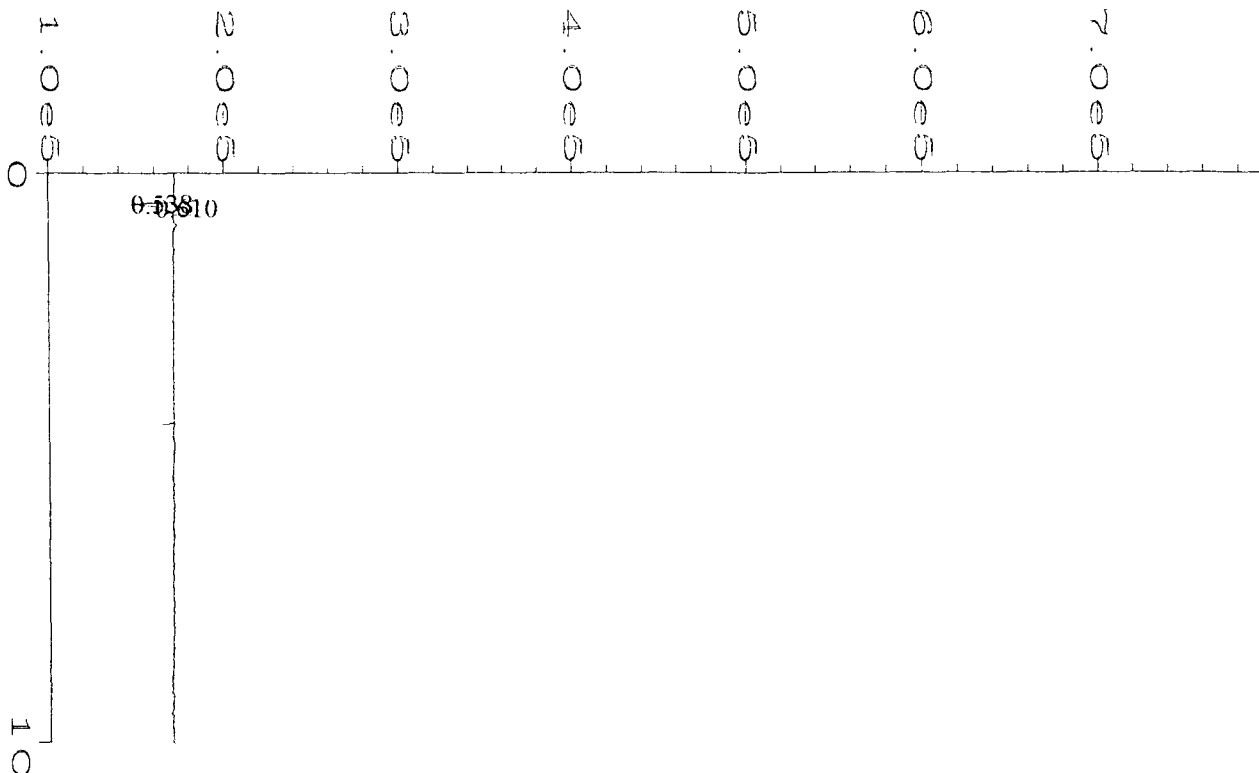
Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.755	8489222	VV	0.101	1	90.816	Benzene
2.293	5.17397E+007	VV	0.094	1-R	0.0154	a,a,a-TFT
3.255	2.21367E+007	VV	0.116	1	272.432	Toluene
6.483	3938594	VV	0.187	1	60.240	Ethylbenzene
6.910	2.32378E+007	VV	0.179	1	313.223	m & p-Xylene
8.021	3512301	PV	0.277	1	59.586	o-Xylene
0.743	124973	PV -	0.000		0.000125	* uncalibrated *
0.886	142240	VV	0.056		0.000142	* uncalibrated *
0.993	1004430	VV	0.051		0.00100	* uncalibrated *
1.056	1226298	VV	0.066		0.00123	* uncalibrated *
1.298	1564660	VV	0.104		0.00156	* uncalibrated *
1.615	1.51278E+007	VV	0.079		0.0151	* uncalibrated *
2.500	2232148	VV	0.085		0.00223	* uncalibrated *
2.637	2427101	VV	0.098		0.00243	* uncalibrated *
2.896	4136494	VV	0.141		0.00414	* uncalibrated *
3.036	3001301	VV	0.109		0.00300	* uncalibrated *
3.454	3239706	VV	0.116		0.00324	* uncalibrated *

File Name : A:\NV-F0949.D
Operator :
Instrument : RECON GC
Sample Name : SG-48(D), PH-24
Time Bar Code:
Acquired on : 10 Dec 93 04:34 PM
Report Created on: 21 Jan 94 04:54 PM
Recalib on : 21 Jan 94 03:48 PM
Multiplier : 1

Page Number : 2
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: BLOOMREF.MTH
Analysis Method : BLOOMREF.MTH
Sample Amount : 0
ISTD Amount :

1.723	1.09449E+007	VV	0.127	0.0109	* uncalibrated *
1.911	4537771	VV	0.124	0.00454	* uncalibrated *
4.247	1543609	VV	0.171	0.00154	* uncalibrated *
4.456	1544571	VV	0.124	0.00154	* uncalibrated *
1.760	1.96842E+007	VV	0.223	0.0197	* uncalibrated *
3.416	6716081	VV	0.189	0.00672	* uncalibrated *
5.756	1419941	VV	0.155	0.00142	* uncalibrated *
1.100	1449327	VV	0.172	0.00145	* uncalibrated *
1.484	1513199	VV	0.206	0.00151	* uncalibrated *
8.568	305578	VV	0.168	0.000306	* uncalibrated *
8.863	1623993	VV	0.217	0.00162	* uncalibrated *
1.513	3535243	VBA	0.254	0.00354	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.354	2.293	-2.6%



External Standard Report

```

File Name       : A:\NV-F0950.D
Operator        :
Instrument       : RECON GC
Sample Name     : BLANK-09
Time Bar Code   :
Acquired on    : 10 Dec 93  04:59 PM
Report Created on: 21 Jan 94  04:55 PM
Last Recalib on : 21 Jan 94  03:48 PM
Multiplier     : 1

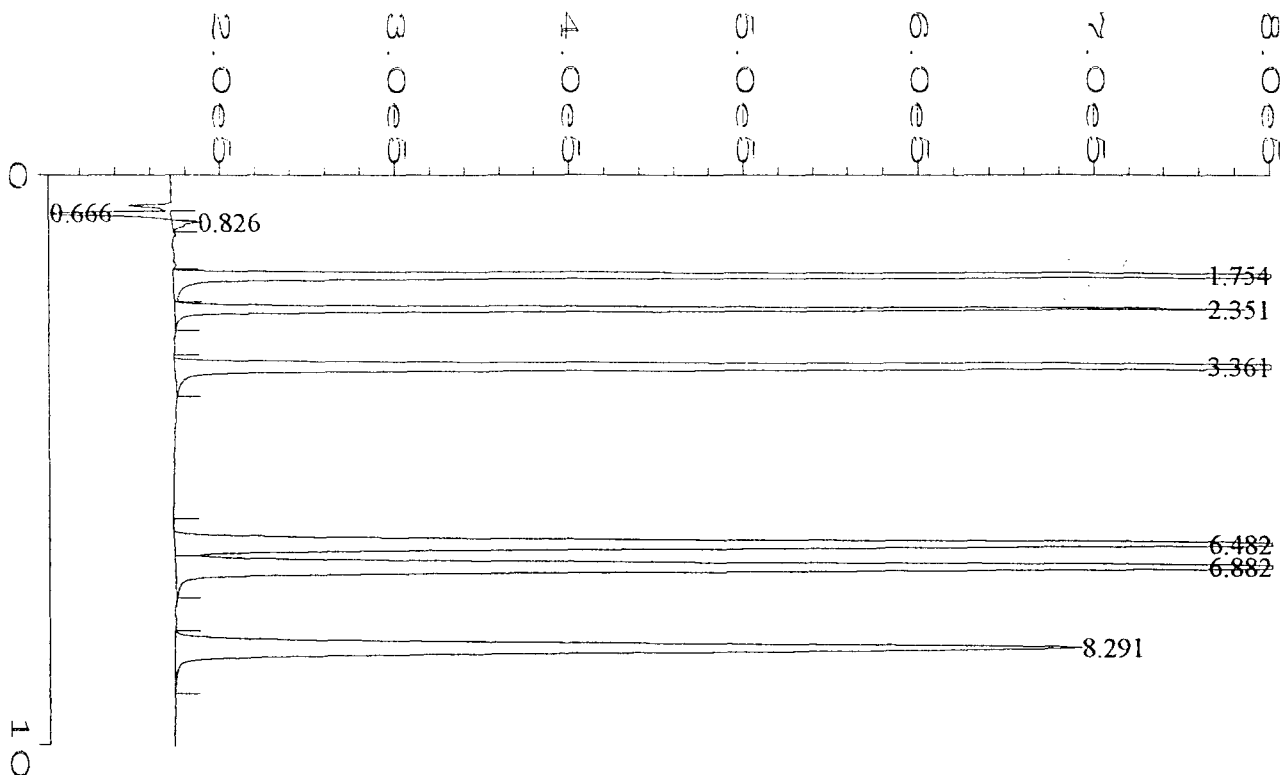
Page Number     : 1
Vial Number     :
Injection Number :
Sequence Line   :
Instrument Method: BLOOMREF.MTH
Analysis Method : BLOOMREF.MTH
Sample Amount   : 0
ISTD Amount     :
  
```

```

. 1 in A:\NV-F0950.D
Time      Area      Type Width Ref#  ug/L      Name
-----
1.754 * not found *      1      Benzene
2.354 * not found *     1-R     a,a,a-TFT
3.370 * not found *      1      Toluene
6.507 * not found *      1      Ethylbenzene
6.909 * not found *      1      m & p-Xylene
8.325 * not found *      1      o-Xylene
0.538      75996 BV - 0.049    7.60E-005 * uncalibrated *
0.610      36689 PV - 0.051    3.67E-005 * uncalibrated *
  
```

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.354	* not found *	

Could not find time reference peak:
 No peak of Number 2's description at 2.354 + 0.082 - 0.082 min.
 Not all time reference peaks were found



External Standard Report

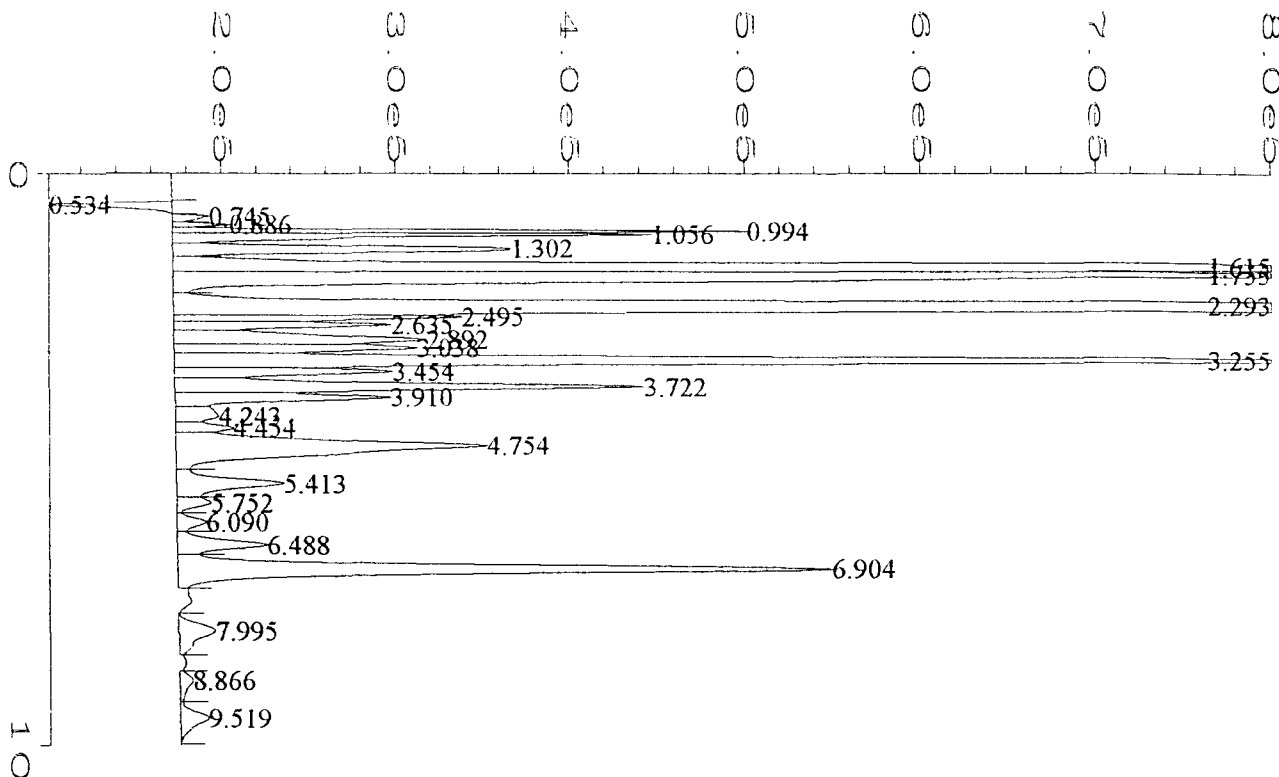
Data File Name : A:\NV-F0951.D
 Operator :
 Instrument : RECON GC
 Sample Name : STD-1210-04
 Run Time Bar Code:
 Acquired on : 10 Dec 93 05:11 PM
 Report Created on: 21 Jan 94 04:56 PM
 Last Recalib on : 21 Jan 94 03:48 PM
 Multiplier : 1

Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F0951.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.754	9244615	PV	0.063	1	98.897	Benzene
2.351	3160820	VB	0.080	1-R	0.000940	a,a,a-TFT
3.361	8471980	BV	0.089	1	104.263	Toluene
6.482	6715560	BV	0.142	1	102.713	Ethylbenzene
6.882	7302545	VB	0.149	1	98.431	m & p-Xylene
8.291	5782018	BB	0.174	1	98.091	o-Xylene
0.666	329058	PP -	0.077		0.000329	* uncalibrated *
0.826	72271	PV	0.067		7.23E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.354	2.351	-0.1%



External Standard Report

Data File Name : A:\NV-F0952.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-49, PH-25
 Run Time Bar Code:
 Acquired on : 10 Dec 93 05:28 PM
 Report Created on: 21 Jan 94 04:57 PM
 Last Recalib on : 21 Jan 94 03:48 PM
 Multiplier : 1

Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F0952.D

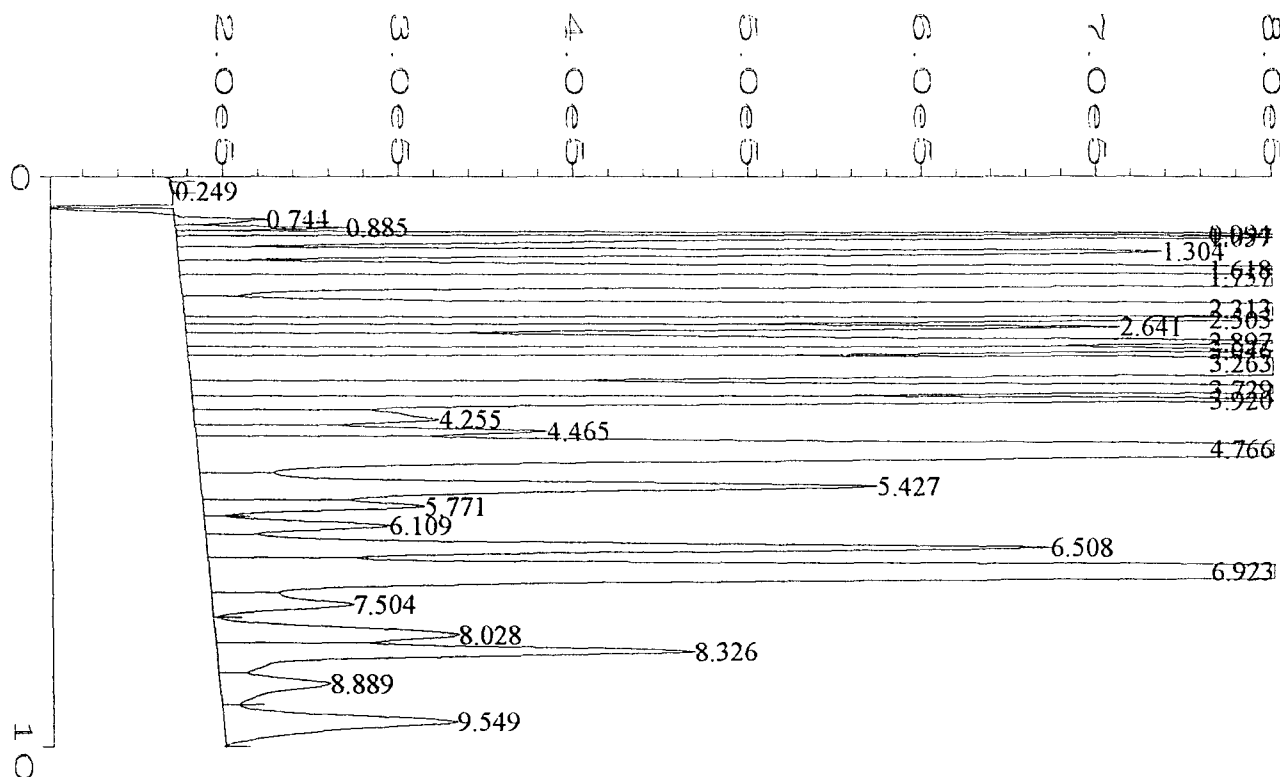
Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.755	8465984	VV	0.091	1	90.568	Benzene
2.293	3.35089E+007	VV	0.095	1-R	0.000996	a,a,a-TFT
3.255	6183870	VV	0.117	1	76.104	Toluene
6.488	617710	VV	0.176	1	9.448	Ethylbenzene
6.904	4070053	VV	0.165	1	54.860	m & p-Xylene
7.995	425971	VV	0.293	1	7.227	o-Xylene
0.534	392574	BP -	0.092		0.000393	* uncalibrated *
0.745	107024	PV	0.071		0.000107	* uncalibrated *
0.886	115521	VV	0.057		0.000116	* uncalibrated *
0.994	1108294	VV	0.051		0.00111	* uncalibrated *
1.056	1338311	VV	0.068		0.00134	* uncalibrated *
1.302	1563638	VV	0.112		0.00156	* uncalibrated *
1.615	1.49133E+007	VV	0.077		0.0149	* uncalibrated *
2.495	905287	VV	0.081		0.000905	* uncalibrated *
2.635	814965	VV	0.098		0.000815	* uncalibrated *
2.892	1452479	VV	0.141		0.00145	* uncalibrated *
3.038	1043808	VV	0.110		0.00104	* uncalibrated *

File Name : A:\NV-F0952.D
Operator :
Instrument : RECON GC
Sample Name : SG-49, PH-25
In Time Bar Code:
Acquired on : 10 Dec 93 05:28 PM
Report Created on: 21 Jan 94 04:57 PM
Last Recalib on : 21 Jan 94 03:48 PM
Multiplier : 1

Page Number : 2
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: BLOOMREF.MTH
Analysis Method : BLOOMREF.MTH
Sample Amount : 0
ISTD Amount :

3.454	975176 VV	0.116	0.000975	* uncalibrated *
3.722	2279748 VV	0.127	0.00228	* uncalibrated *
3.910	1033178 VV	0.124	0.00103	* uncalibrated *
4.243	344755 VV	0.190	0.000345	* uncalibrated *
4.454	287174 VV	0.128	0.000287	* uncalibrated *
4.754	2922030 VV	0.223	0.00292	* uncalibrated *
5.413	829820 VV	0.198	0.000830	* uncalibrated *
5.752	204417 VV	0.153	0.000204	* uncalibrated *
6.090	193564 VV	0.168	0.000194	* uncalibrated *
8.866	137197 VV	0.258	0.000137	* uncalibrated *
9.519	294817 VBA	0.266	0.000295	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.354	2.293	-2.6%



External Standard Report

Data File Name : A:\NV-F0953.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-50, PH-25
 Run Time Bar Code:
 Acquired on : 10 Dec 93 05:51 PM
 Report Created on: 21 Jan 94 04:58 PM
 Last Recalib on : 21 Jan 94 03:48 PM
 Multiplier : 1

Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F0953.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.757	4.17806E+007	VV	0.081	1	446.962	Benzene
2.313	1.13437E+008	VV	0.101	1-R	0.0337	a,a,a-TFT
3.263	4.32471E+007	VV	0.143	1	532.232	Toluene
6.508	5333992	VV	0.166	1	81.583	Ethylbenzene
6.923	3.99177E+007	VV	0.161	1	538.052	m & p-Xylene
8.326	3581142	VV	0.196	1	60.754	o-Xylene
0.249	11588	VB	0.080		1.16E-005	* uncalibrated *
0.744	8459	PV -	0.009		8.46E-006	* uncalibrated *
0.885	343877	VV	0.056		0.000344	* uncalibrated *
0.994	2612942	VV	0.051		0.00261	* uncalibrated *
1.057	3722110	VV	0.071		0.00372	* uncalibrated *
1.304	4472194	VV	0.110		0.00447	* uncalibrated *
1.618	4.53761E+007	VV	0.079		0.0454	* uncalibrated *
2.503	4102222	VV	0.088		0.00410	* uncalibrated *
2.641	3482274	VV	0.096		0.00348	* uncalibrated *
2.897	6711772	VV	0.140		0.00671	* uncalibrated *
3.046	4962913	VV	0.111		0.00496	* uncalibrated *

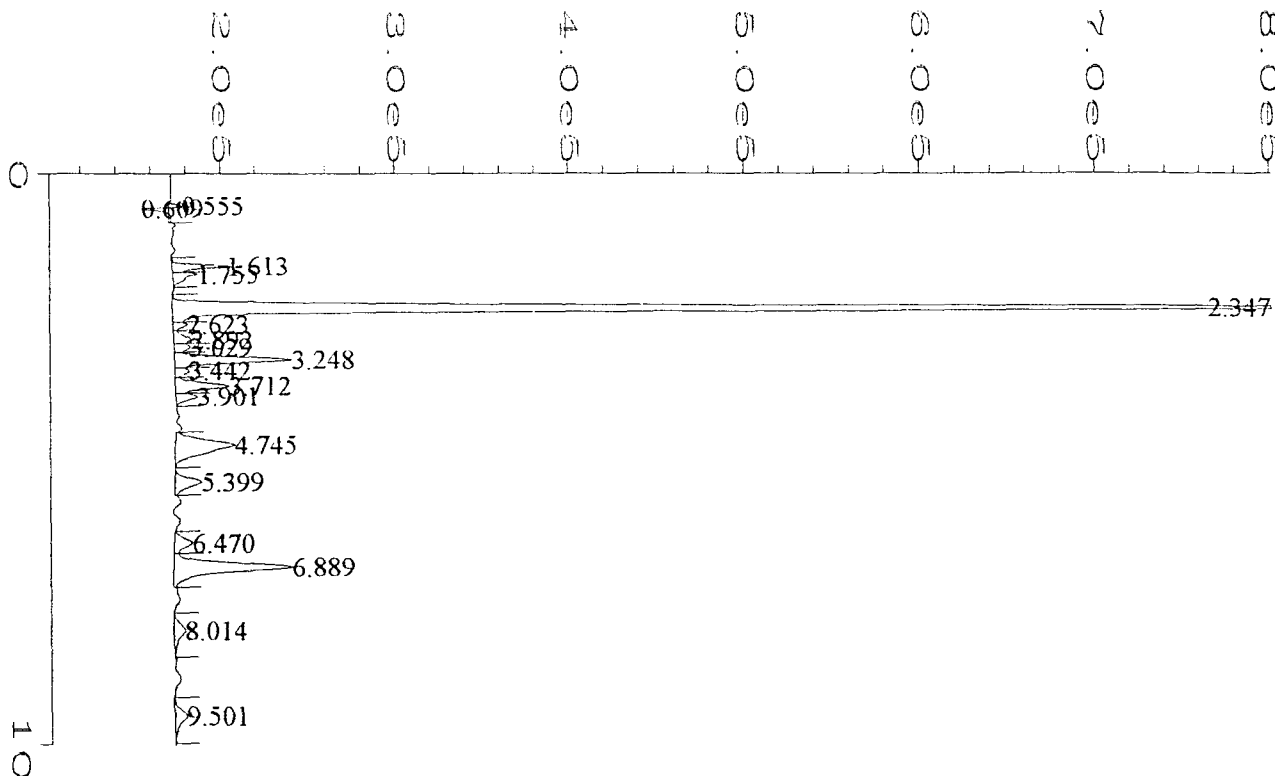
File Name : A:\NV-F0953.D
rator :
strument : RECON GC
ole Name : SG-50, PH-25
Time Bar Code:
quired on : 10 Dec 93 05:51 PM
ort Created on: 21 Jan 94 04:58 PM
Recalib on : 21 Jan 94 03:48 PM
Multiplier : 1

Page Number : 2
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: BLOOMREF.MTH
Analysis Method : BLOOMREF.MTH
Sample Amount : 0
ISTD Amount :

3.729	1.27183E+007	VV	0.130	0.0127	* uncalibrated *
3.920	5850472	VV	0.125	0.00585	* uncalibrated *
4.255	1911377	VV	0.186	0.00191	* uncalibrated *
4.465	1722659	VV	0.128	0.00172	* uncalibrated *
4.766	1.8407E+007	VV	0.214	0.0184	* uncalibrated *
5.427	5179392	VV	0.196	0.00518	* uncalibrated *
5.771	1320592	VV	0.157	0.00132	* uncalibrated *
6.109	1201329	VV	0.175	0.00120	* uncalibrated *
7.504	1140004	VV	0.209	0.00114	* uncalibrated *
8.028	2106243	VV	0.241	0.00211	* uncalibrated *
8.889	1086395	VV	0.254	0.00109	* uncalibrated *
9.549	2348923	VBA	0.261	0.00235	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.354	2.313	-1.7%

=====



External Standard Report

File Name : A:\NV-F0954.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-51, PH-26
 In Time Bar Code:
 Acquired on : 10 Dec 93 07:01 PM
 Report Created on: 21 Jan 94 04:59 PM
 Last Recalib on : 21 Jan 94 03:48 PM
 Multiplier : 1

Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

1 in A:\NV-F0954.D

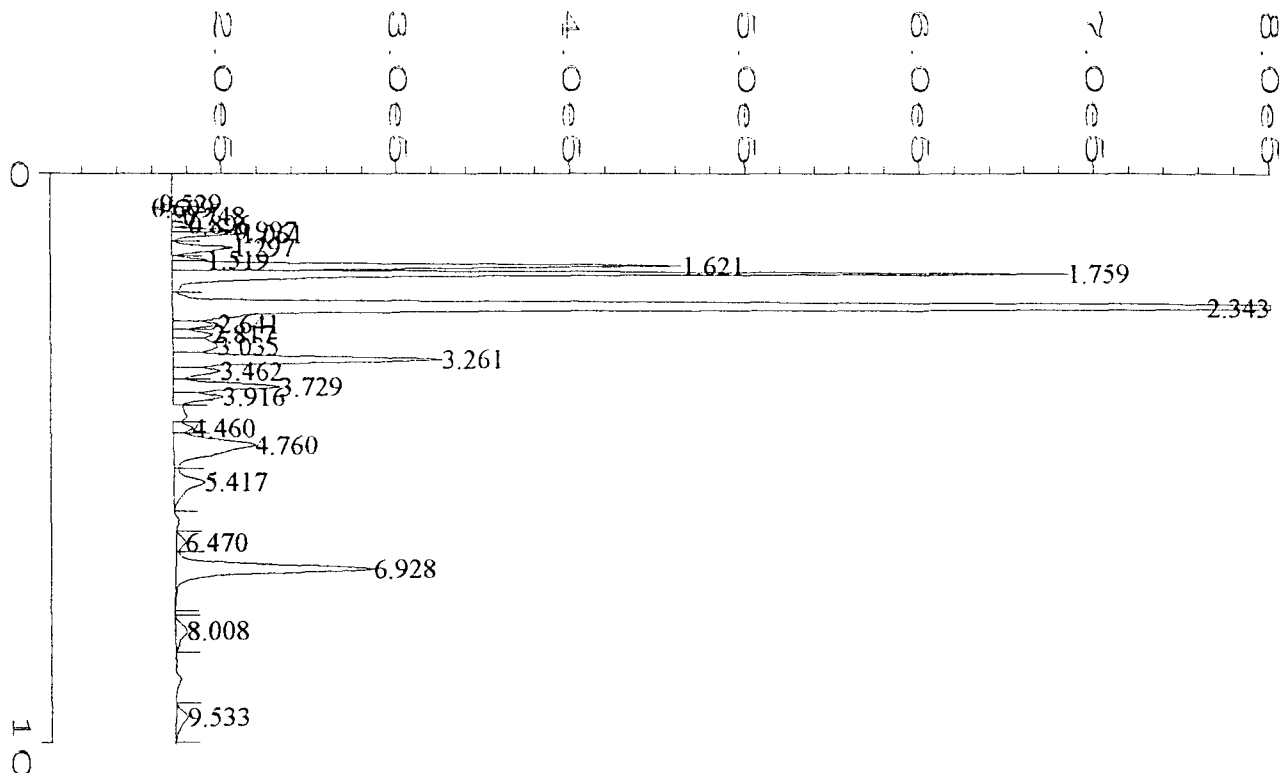
Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.755	97796	VB	0.098	1	1.046	Benzene
2.347	5532685	BV	0.087	1-R	0.00165	a,a,a-TFT
3.442	60315	VV	0.109	1	0.742	Toluene
6.470	122291	VV	0.162	1	1.870	Ethylbenzene
6.889	793056	VV	0.176	1	10.690	m & p-Xylene
8.014	117972	PV	0.236	1	2.001	o-Xylene
0.555	21865	BP	0.048		2.19E-005	* uncalibrated *
0.609	36401	PP	0.042		3.64E-005	* uncalibrated *
1.613	164466	BV	0.080		0.000164	* uncalibrated *
2.623	51190	VV	0.091		5.12E-005	* uncalibrated *
2.892	90289	VV	0.121		9.03E-005	* uncalibrated *
3.029	63879	VV	0.089		6.39E-005	* uncalibrated *
3.248	498658	VV	0.116		0.000499	* uncalibrated *
3.712	251949	VV	0.126		0.000252	* uncalibrated *
3.901	90507	VB	0.111		9.05E-005	* uncalibrated *
4.745	509733	VV	0.208		0.000510	* uncalibrated *
5.399	173064	PV	0.169		0.000173	* uncalibrated *

File Name : A:\NV-F0954.D
rator :
strument : RECON GC
ple Name : SG-51, PH-26
Time Bar Code:
quired on : 10 Dec 93 07:01 PM
ort Created on: 21 Jan 94 04:59 PM
Recalib on : 21 Jan 94 03:48 PM
Multiplier : 1

Page Number : 2
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: BLOOMREF.MTH
Analysis Method : BLOOMREF.MTH
Sample Amount : 0
ISTD Amount :

9.501 110589 BBA 0.199 0.000111 * uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.354	2.347	-0.3%



External Standard Report

Data File Name : A:\NV-F0955.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-52, PH-26
 Run Time Bar Code:
 Acquired on : 10 Dec 93 07:27 PM
 Report Created on: 21 Jan 94 05:01 PM
 Last Recalib on : 21 Jan 94 03:48 PM
 Multiplier : 1

Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F0955.D

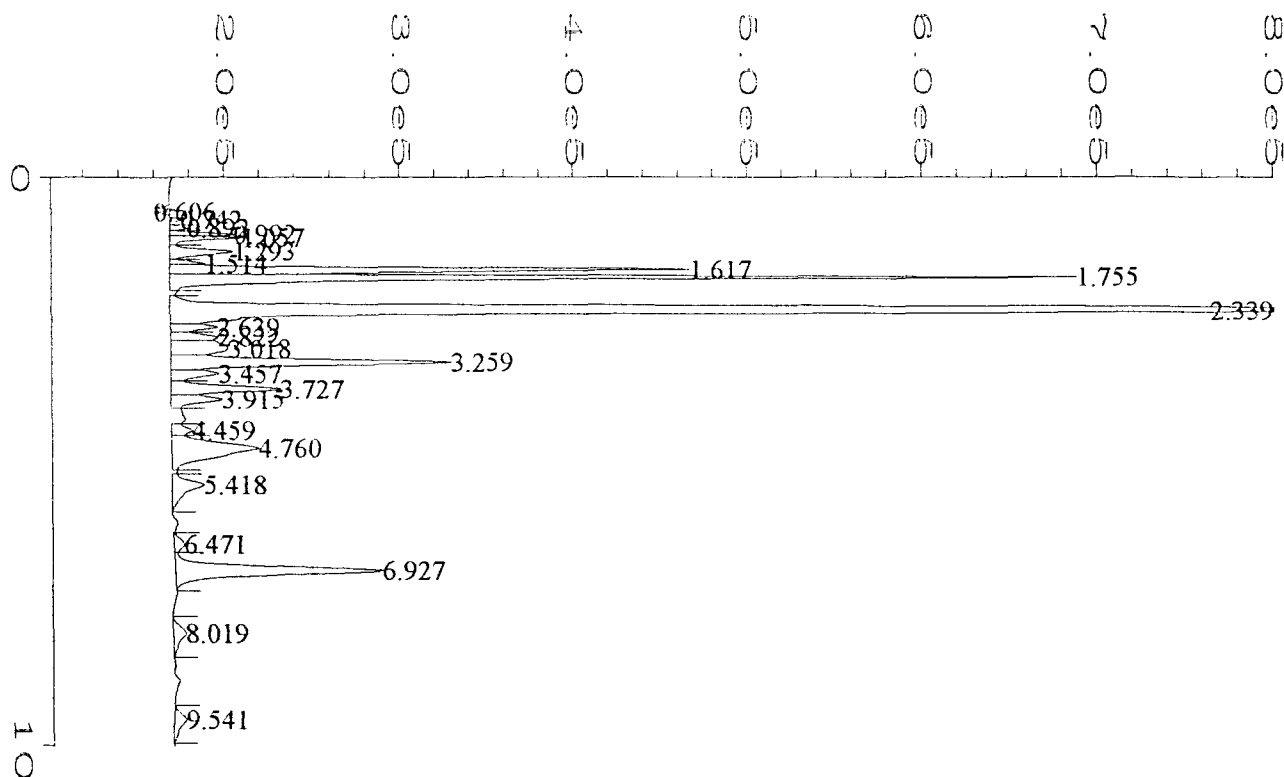
Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.759	2532991	VV	0.073	1	27.098	Benzene
2.343	7013899	VV	0.131	1-R	0.00209	a,a,a-TFT
3.261	1171018	VV	0.117	1	14.411	Toluene
6.470	62944	BV	0.159	1	0.963	Ethylbenzene
6.928	1211384	VB	0.161	1	16.328	m & p-Xylene
8.008	122231	BB	0.226	1	2.074	o-Xylene
0.529	15381	BP -	0.037		1.54E-005	* uncalibrated *
0.609	34139	PP -	0.048		3.41E-005	* uncalibrated *
0.748	28156	PV	0.066		2.82E-005	* uncalibrated *
0.896	38555	VV	0.063		3.86E-005	* uncalibrated *
0.997	116930	VV	0.050		0.000117	* uncalibrated *
1.061	166053	VV	0.061		0.000166	* uncalibrated *
1.297	255484	VV	0.102		0.000255	* uncalibrated *
1.519	68654	VV	0.054		6.87E-005	* uncalibrated *
1.621	1490040	VV	0.077		0.00149	* uncalibrated *
2.641	171197	VV	0.097		0.000171	* uncalibrated *
2.817	164790	VV	0.107		0.000165	* uncalibrated *

ta File Name : A:\NV-F0955.D
erator :
Instrument : RECON GC
Sample Name : SG-52, PH-26
In Time Bar Code:
Acquired on : 10 Dec 93 07:27 PM
Report Created on: 21 Jan 94 05:01 PM
Last Recalib on : 21 Jan 94 03:48 PM
Multiplier : 1

Page Number : 2
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: BLOOMREF.MTH
Analysis Method : BLOOMREF.MTH
Sample Amount : 0
ISTD Amount :

3.035	332719 VV	0.186	0.000333	* uncalibrated *
3.462	215862 VV	0.120	0.000216	* uncalibrated *
3.729	485264 VV	0.121	0.000485	* uncalibrated *
3.916	237597 VV	0.124	0.000238	* uncalibrated *
4.460	97411 VV	0.128	9.74E-005	* uncalibrated *
4.760	804513 VV	0.238	0.000805	* uncalibrated *
5.417	282273 VV	0.222	0.000282	* uncalibrated *
9.533	111257 BBA	0.217	0.000111	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.354	2.343	-0.5%



External Standard Report

Data File Name : A:\NV-F0956.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-52(D), PH-26
 Run Time Bar Code:
 Acquired on : 10 Dec 93 07:42 PM
 Report Created on: 21 Jan 94 05:02 PM
 Last Recalib on : 21 Jan 94 03:48 PM
 Multiplier : 1

Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F0956.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.755	2499753	VV	0.071	1	26.742	Benzene
2.339	6985928	VV	0.132	1-R	0.00208	a,a,a-TFT
3.259	1214057	VV	0.117	1	14.941	Toluene
6.471	75347	VV	0.171	1	1.152	Ethylbenzene
6.927	1235618	VV	0.159	1	16.655	m & p-Xylene
8.019	134923	BV	0.240	1	2.289	o-Xylene
0.606	22778	PP	0.043		2.28E-005	* uncalibrated *
0.742	27124	PV	0.074		2.71E-005	* uncalibrated *
0.892	38546	VV	0.060		3.85E-005	* uncalibrated *
0.992	119259	VV	0.049		0.000119	* uncalibrated *
1.057	179279	VV	0.063		0.000179	* uncalibrated *
1.293	270884	VV	0.103		0.000271	* uncalibrated *
1.514	68164	VV	0.048		6.82E-005	* uncalibrated *
1.617	1506212	VV	0.076		0.00151	* uncalibrated *
2.639	173825	VV	0.097		0.000174	* uncalibrated *
2.822	185732	VV	0.102		0.000186	* uncalibrated *
3.018	451449	VV	0.173		0.000451	* uncalibrated *

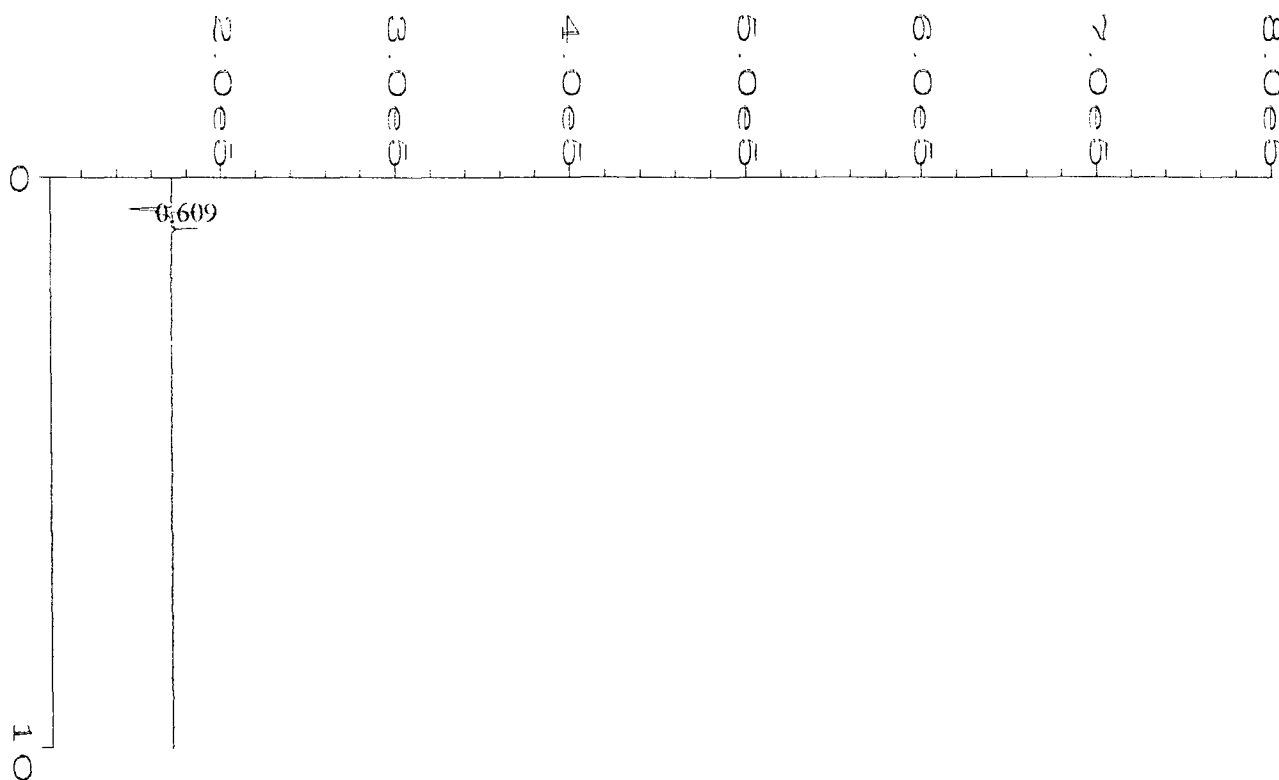
File Name : A:\NV-F0956.D
Operator :
Instrument : RECON GC
Sample Name : SG-52(D), PH-26
Time Bar Code:
Acquired on : 10 Dec 93 07:42 PM
Report Created on: 21 Jan 94 05:02 PM
Last Recalib on : 21 Jan 94 03:48 PM
Multiplier : 1

Page Number : 2
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: BLOOMREF.MTH
Analysis Method : BLOOMREF.MTH
Sample Amount : 0
ISTD Amount :

3.457	220673	VV	0.118	0.000221	* uncalibrated *
3.727	495571	VV	0.121	0.000496	* uncalibrated *
3.915	245140	VV	0.125	0.000245	* uncalibrated *
4.459	106005	VV	0.122	0.000106	* uncalibrated *
4.760	844009	VV	0.232	0.000844	* uncalibrated *
5.418	283197	VV	0.203	0.000283	* uncalibrated *
9.541	123562	BV	0.223	0.000124	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.354	2.339	-0.6%

=====



External Standard Report

File Name	: A:\NV-F0957.D	Page Number	: 1
Operator	:	Vial Number	:
Instrument	: RECON GC	Injection Number	:
Sample Name	: BLANK-10	Sequence Line	:
Run Time Bar Code:		Instrument Method:	BLOOMREF.MTH
Acquired on	: 10 Dec 93 08:05 PM	Analysis Method	: BLOOMREF.MTH
Report Created on:	21 Jan 94 05:03 PM	Sample Amount	: 0
Last Recalib on	: 21 Jan 94 03:48 PM	ISTD Amount	:
Multiplier	: 1		

Fig. 1 in A:\NV-F0957.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.754	* not found *			1		Benzene
2.354	* not found *			1-R		a,a,a-TFT
3.370	* not found *			1		Toluene
6.507	* not found *			1		Ethylbenzene
6.909	* not found *			1		m & p-Xylene
8.325	* not found *			1		o-Xylene
0.609	48173 PV - 0.084				4.82E-005	* uncalibrated *

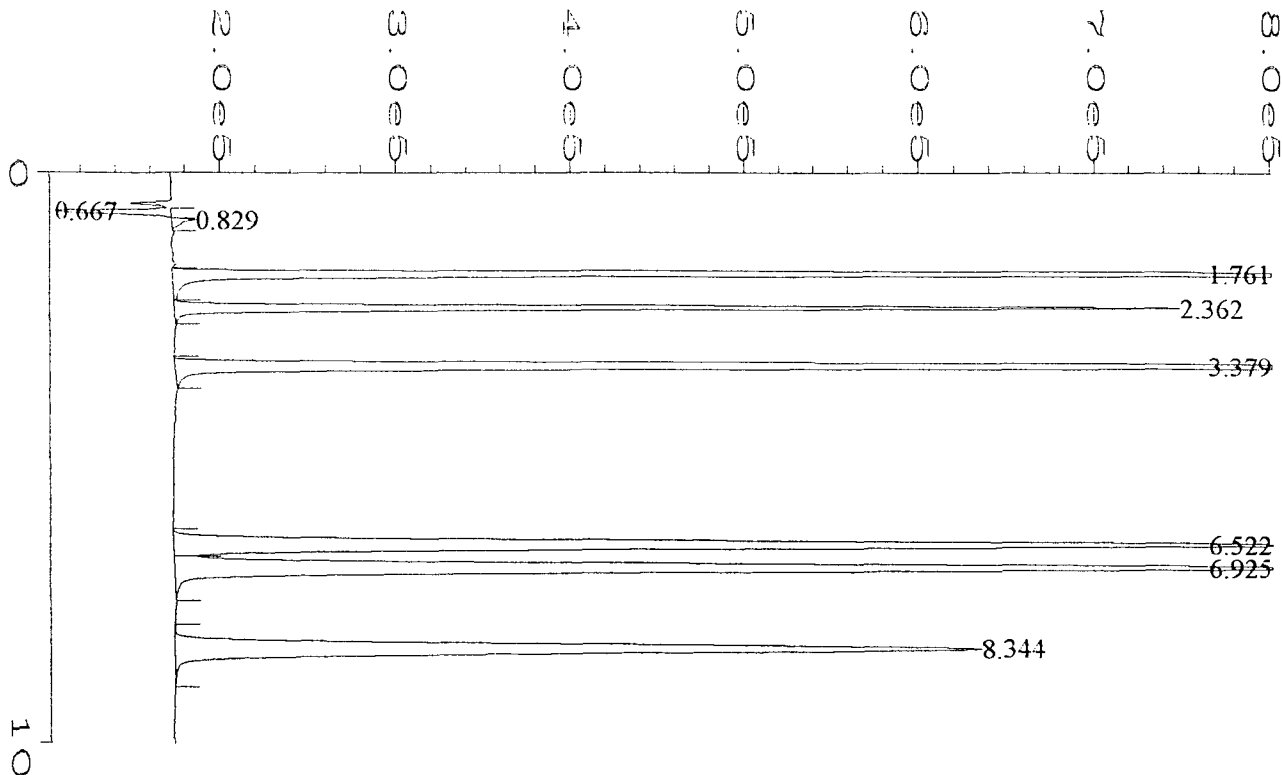
Time Reference Peak	Expected RT	Actual RT	Difference
2	2.354	* not found *	

Could not find time reference peak:

No peak of Number 2's description at 2.354 + 0.082 - 0.082 min.

Not all time reference peaks were found

Not all calibrated peaks were found



External Standard Report

File Name : A:\NV-F0958.D
 Operator :
 Instrument : RECON GC
 Sample Name : STD-1210-05
 Time Bar Code:
 Acquired on : 10 Dec 93 08:17 PM
 Report Created on: 21 Jan 94 05:05 PM
 Last Recalib on : 21 Jan 94 03:48 PM
 Multiplier : 1

Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

1 in A:\NV-F0958.D

Time	Area	Type	Width	Ref#	ug/L	Name
1.761	8636766	PV	0.063	1	92.395	Benzene
2.362	2944776	VV	0.079	1-R	0.000876	a,a,a-TFT
3.379	7875559	BV	0.089	1	96.923	Toluene
6.522	6135513	BV	0.143	1	93.842	Ethylbenzene
6.925	6595984	VB	0.150	1	88.907	m & p-Xylene
8.344	5165542	BB	0.175	1	87.633	o-Xylene
0.667	313935	PP -	0.076		0.000314	* uncalibrated *
0.829	63804	PV	0.065		6.38E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.354	2.362	0.3%

0.54626
0.919

External Standard Report

File Name : A:\NV-F0971.D
Operator :
Instrument : RECON GC
Name : BLANK-11
Time Bar Code:
Entered on : 11 Dec 93 10:57 AM
Created on: 21 Jan 94 05:17 PM
Recalib on : 21 Jan 94 03:48 PM
Multiplier : 1

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: BLOOMREF.MTH
Analysis Method : BLOOMREF.MTH
Sample Amount : 0
ISTD Amount :

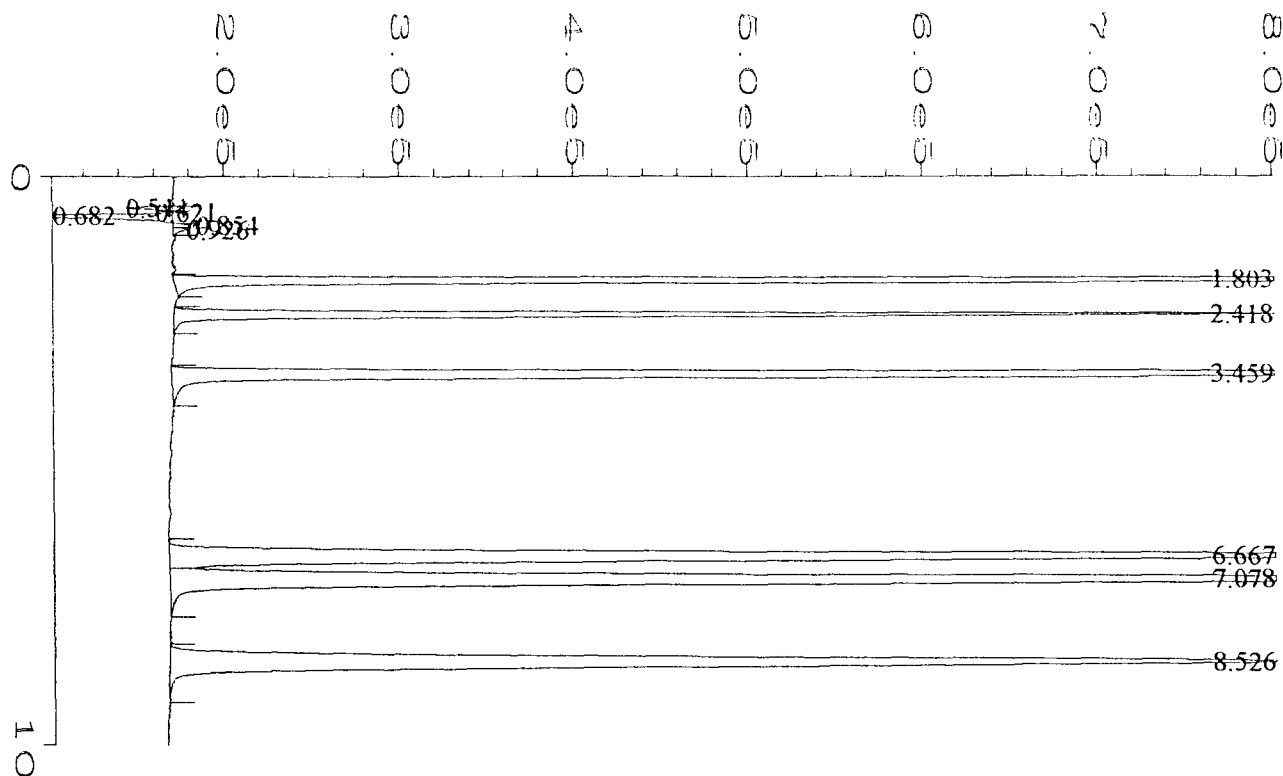
in A:\NV-F0971.D

Time	Area	Type	Width	Ref#	ug/L	Name
0.54	*	not found *		1		Benzene
0.54	*	not found *		1-R		a,a,a-TFT
0.370	*	not found *		1		Toluene
0.07	*	not found *		1		Ethylbenzene
0.09	*	not found *		1		m & p-Xylene
0.325	*	not found *		1		o-Xylene
0.546	88467	PV - 0.045			8.85E-005	* uncalibrated *
0.26	34346	PV - 0.044			3.43E-005	* uncalibrated *
0.919	44173	PB 0.058			4.42E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.354	* not found *	

not find time reference peak:

no peak of Number 2's description at 2.354 + 0.082 - 0.082 min.



External Standard Report

File Name : A:\NV-F0973.D
 erator :
 strument : RECON GC
 le Name : STD-1211
 Time Bar Code:
 quired on : 11 Dec 93 11:25 AM
 rt Created on: 21 Jan 94 05:21 PM
 Recalib on : 21 Jan 94 05:19 PM
 tiplier : 1

Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

1 in A:\NV-F0973.D

Time	Area	Type	Width	Ref#	ug/L	Name
1.803	8698557	PV	0.063	1	103.000	Benzene
2.418	3235226	BV	0.080	1-R	0.00100	a,a,a-TFT
3.459	8718347	BB	0.090	1	109.000	Toluene
6.667	7838814	BV	0.143	1	109.000	Ethylbenzene
7.078	8839045	VB	0.150	1	106.000	m & p-Xylene
8.526	7315822	BV	0.176	1	105.000	o-Xylene
0.544	77969	PV -	0.046		7.80E-005	* uncalibrated *
0.621	21602	PV -	0.033		2.16E-005	* uncalibrated *
0.682	444935	PP -	0.079		0.000445	* uncalibrated *
0.854	38004	PV	0.038		3.80E-005	* uncalibrated *
0.926	32755	VV	0.056		3.28E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.418	2.418	0.0%

Calibration Report

Data File Name : A:\NV-F0973.D

Operator :

Instrument : RECON GC

Sample Name : STD-1211

Run Time Bar Code:

Acquired on : 11 Dec 93 11:25 AM

Report Created on: 21 Jan 94 05:19 PM

Last Recalib on : 21 Jan 94 03:48 PM

Multiplier : 1

Page Number : 1

Vial Number :

Injection Number :

Sequence Line :

Instrument Method: BLOOMREF.MTH

Analysis Method : BLOOMREF.MTH

Sample Amount : 0

ISTD Amount :

Calibration Table

Pk#	RT	Lvl	ug/L	Amt/Area	Ref Istd I#	Name
1	1.803	1	103.0	1.1841e-005	1	Benzene
2	2.418	1	0.001	3.091e-010	Ref	1 a,a,a-TFT
3	3.459	1	109.0	1.2502e-005	1	Toluene
4	6.667	1	109.0	1.3905e-005	1	Ethylbenzene
5	7.078	1	106.0	1.1992e-005	1	m & p-Xylene
6	8.526	1	105.0	1.4352e-005	1	o-Xylene

Calibration Settings

Title:

CALIBRATION STD

Reference window: 7.000 %

Non-reference window: 7.000 %

Units of amount: ug/L

Multiplier: 1.0

RF uncal peaks: 1.0e-009

Sample Amount: 0.0

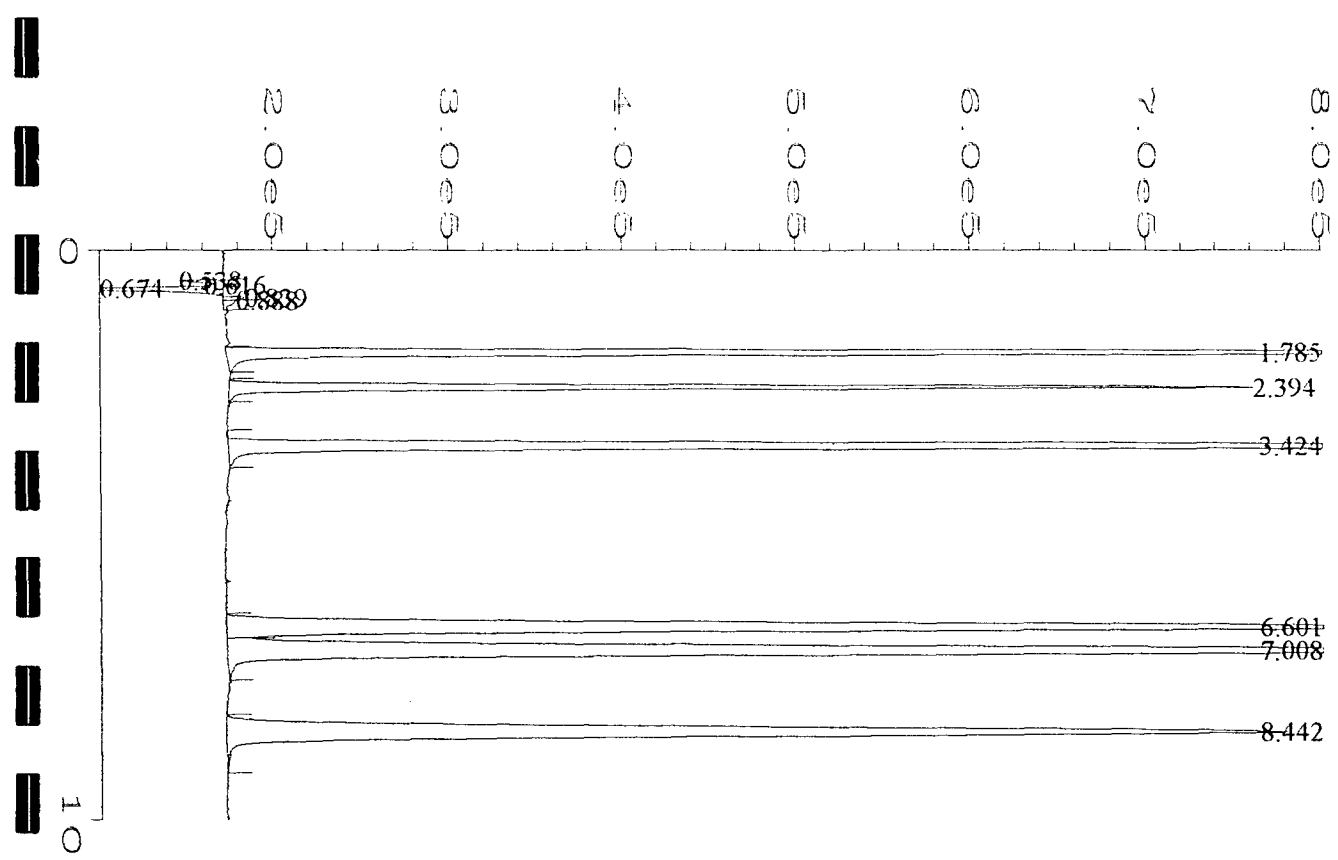
Sample ISTD Information

No Sample ISTD Amounts

Multilevel Information

Fit: Linear

Origin: Force



External Standard Report

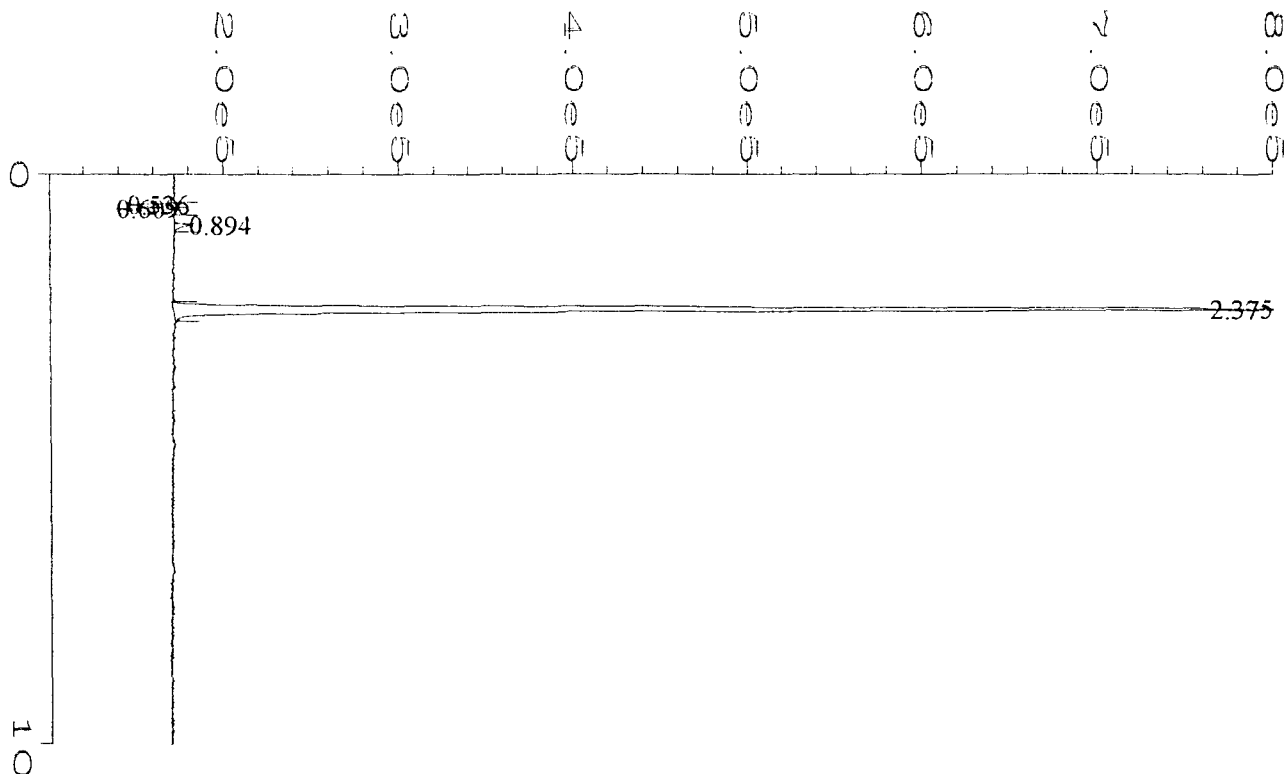
File Name : A:\NV-F0975.D
 Instrument : RECON GC
 Sample Name : STD-1211-02
 Time Bar Code:
 Started on : 11 Dec 93 11:55 AM
 Created on: 21 Jan 94 05:23 PM
 Recalib on : 21 Jan 94 05:19 PM
 Multiplier : 1

Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

File in A:\NV-F0975.D

Time	Area	Type	Width	Ref#	ug/L	Name
1.785	8058882	PV	0.063	1	95.426	Benzene
2.394	2988753	BV	0.079	1-R	0.000924	a,a,a-TFT
3.424	8011877	BV	0.088	1	100.167	Toluene
6.601	7286984	BV	0.142	1	101.327	Ethylbenzene
7.008	8187846	VV	0.149	1	98.191	m & p-Xylene
8.442	6795756	BB	0.174	1	97.536	o-Xylene
0.538	72768	PV	- 0.047		7.28E-005	* uncalibrated *
0.516	24436	PV	- 0.035		2.44E-005	* uncalibrated *
0.674	404318	PP	- 0.077		0.000404	* uncalibrated *
0.839	36931	PV	0.047		3.69E-005	* uncalibrated *
0.888	39188	VV	0.089		3.92E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.418	2.394	-1.0%



External Standard Report

Data File Name : A:\NV-F0976.D

Operator :

Instrument : RECON GC

Sample Name : BLANK-12

Run Time Bar Code:

Acquired on : 11 Dec 93 12:20 PM

Report Created on: 21 Jan 94 05:24 PM

Last Recalib on : 21 Jan 94 05:19 PM

Multiplier : 1

Page Number : 1

Vial Number :

Injection Number :

Sequence Line :

Instrument Method: BLOOMREF.MTH

Analysis Method : BLOOMREF.MTH

Sample Amount : 0

ISTD Amount :

Fig. 1 in A:\NV-F0976.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.803	* not found *			1		Benzene
2.375	3456560	PV	0.077	1-R	0.00107	a,a,a-TFT
3.459	* not found *			1		Toluene
6.667	* not found *			1		Ethylbenzene
7.078	* not found *			1		m & p-Xylene
8.526	* not found *			1		o-Xylene
0.536	71358	BV -	0.042		7.14E-005	* uncalibrated *
0.609	101981	PV -	0.048		0.000102	* uncalibrated *
0.894	33421	PV	0.057		3.34E-005	* uncalibrated *

Time Reference Peak

2

Expected RT

2.418

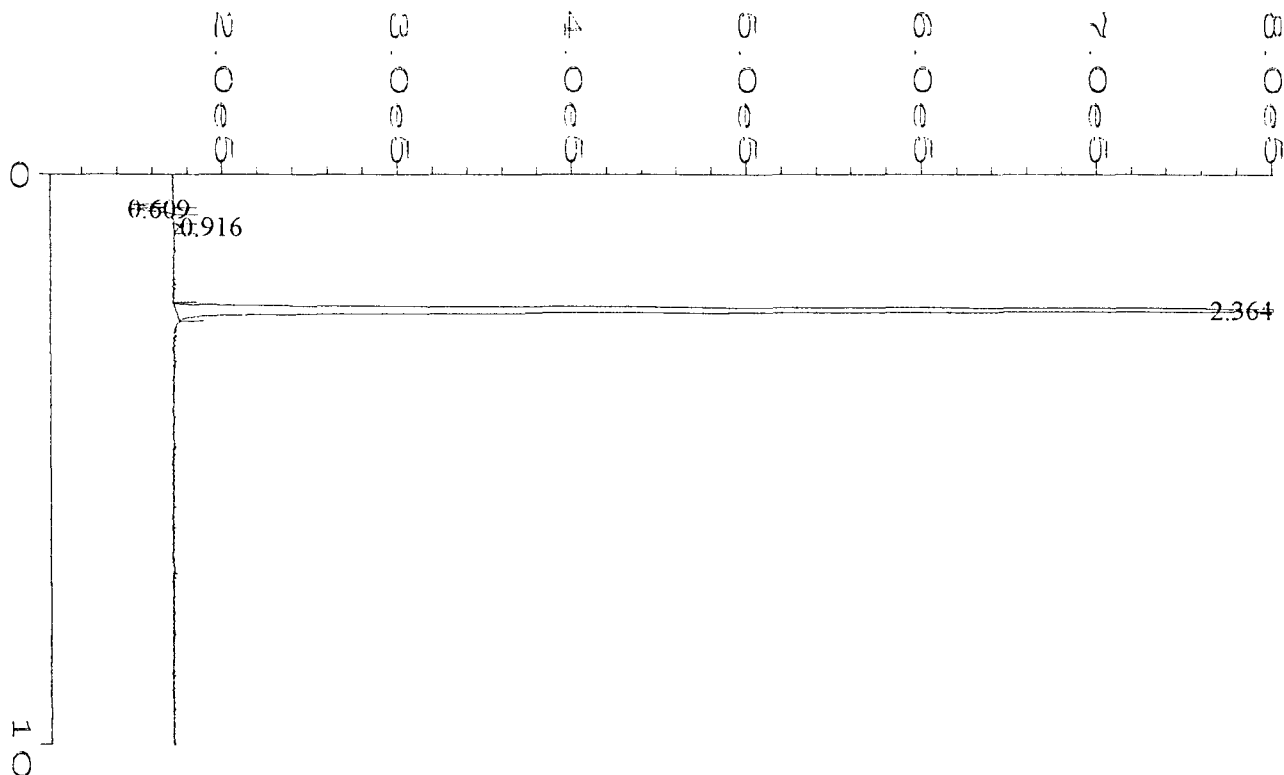
Actual RT

2.375

Difference

-1.8%

Not all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F0977.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-53, PH-27
 Run Time Bar Code:
 Acquired on : 11 Dec 93 12:39 PM
 Report Created on: 21 Jan 94 05:25 PM
 Last Recalib on : 21 Jan 94 05:19 PM
 Multiplier : 1

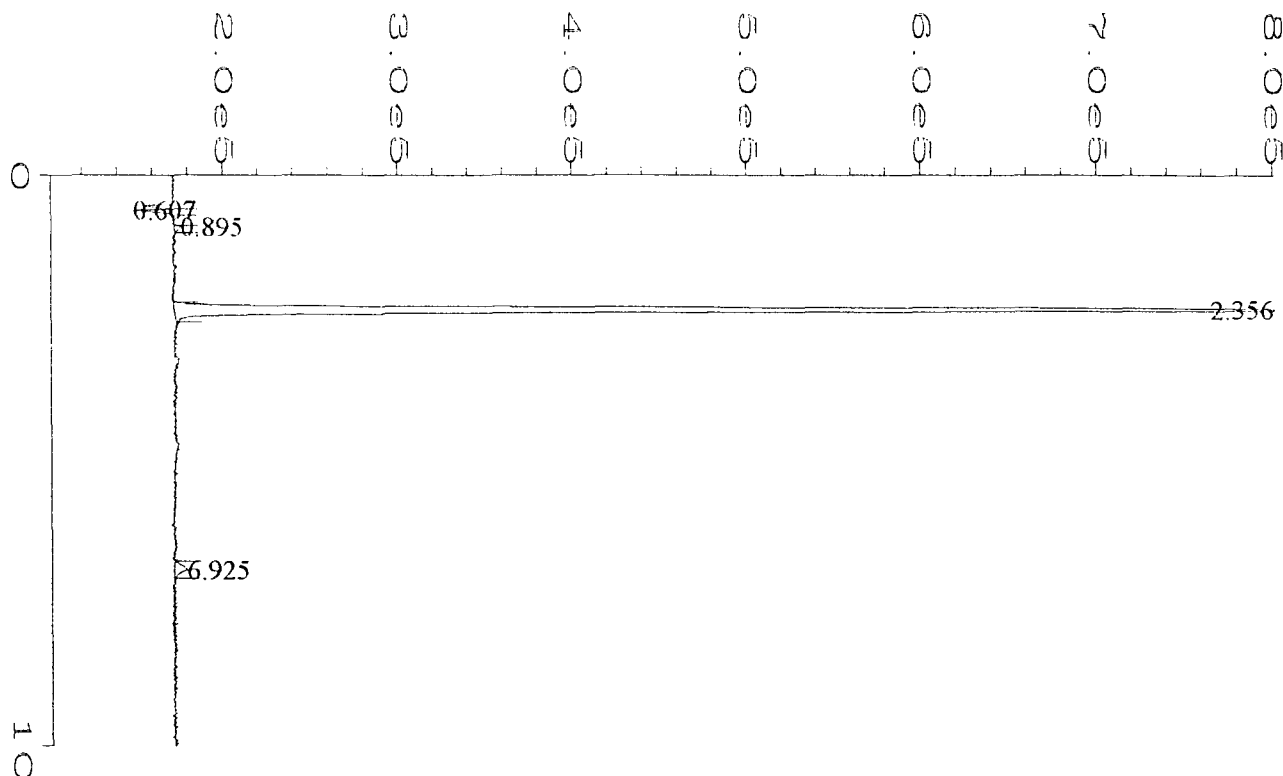
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F0977.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.803	* not found *			1		Benzene
2.364	4743912	BV	0.078	1-R	0.00147	a,a,a-TFT
3.459	* not found *			1		Toluene
6.667	* not found *			1		Ethylbenzene
7.078	* not found *			1		m & p-Xylene
8.526	* not found *			1		o-Xylene
0.609	79119	PV -	0.049		7.91E-005	* uncalibrated *
0.916	16111	PB	0.059		1.61E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.418	2.364	-2.2%

Not all calibrated peaks were found



External Standard Report

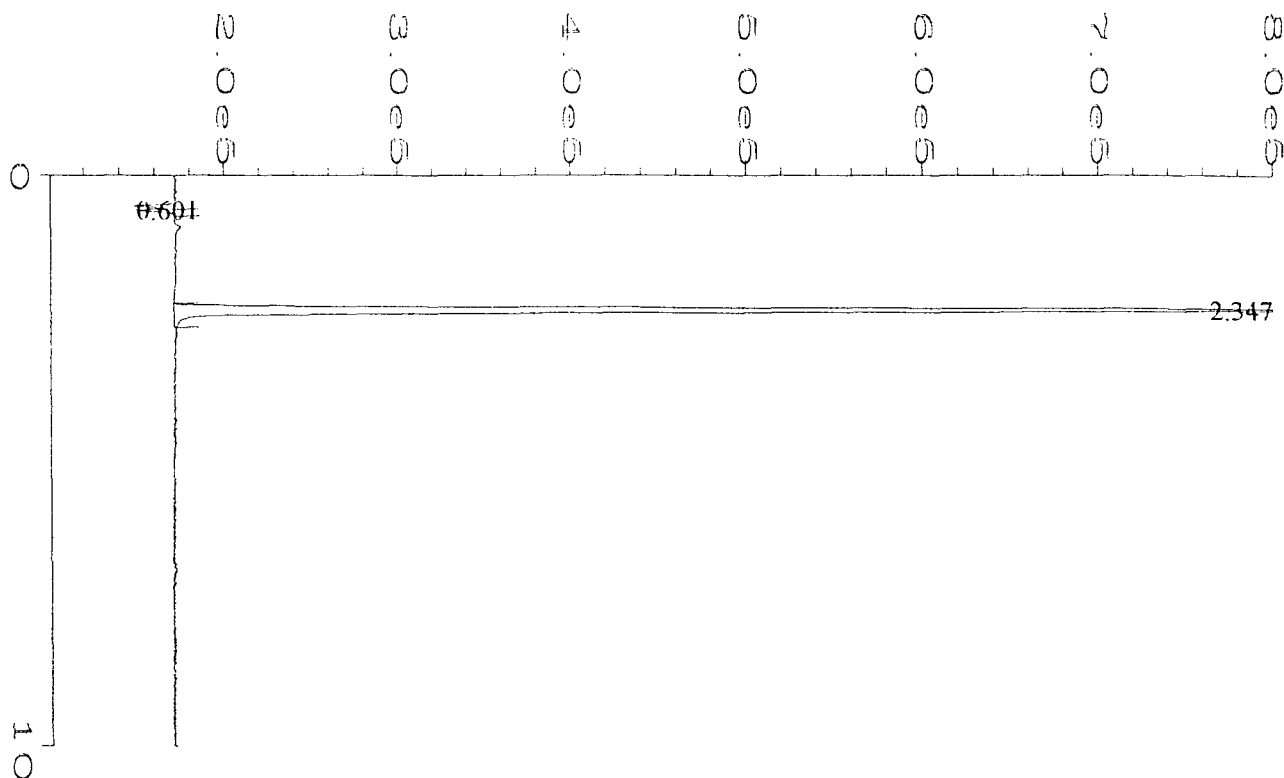
File Name	: A:\NV-F0978.D	Page Number	: 1
Operator	:	Vial Number	:
Instrument	: RECON GC	Injection Number	:
Sample Name	: SG-54, PH-27	Sequence Line	:
Run Time Bar Code:		Instrument Method:	BLOOMREF.MTH
Acquired on	: 11 Dec 93 12:51 PM	Analysis Method	: BLOOMREF.MTH
Report Created on	: 21 Jan 94 05:26 PM	Sample Amount	: 0
Next Recalib on	: 21 Jan 94 05:19 PM	ISTD Amount	:
Multiplier	: 1		

Fig. 1 in A:\NV-F0978.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.803	* not found *			1		Benzene
2.356	3996417	VV	0.078	1-R	0.00124	a,a,a-TFT
3.459	* not found *			1		Toluene
6.667	* not found *			1		Ethylbenzene
6.925	62124	VV	0.112	1	0.745	m & p-Xylene
8.526	* not found *			1		o-Xylene
0.607	63938	PV -	0.045		6.39E-005	* uncalibrated *
0.895	15274	PV	0.058		1.53E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.418	2.356	-2.6%

all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F0979.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-55, PH-28
 Run Time Bar Code:
 Acquired on : 11 Dec 93 01:07 PM
 Report Created on: 21 Jan 94 05:27 PM
 Last Recalib on : 21 Jan 94 05:19 PM
 Multiplier : 1

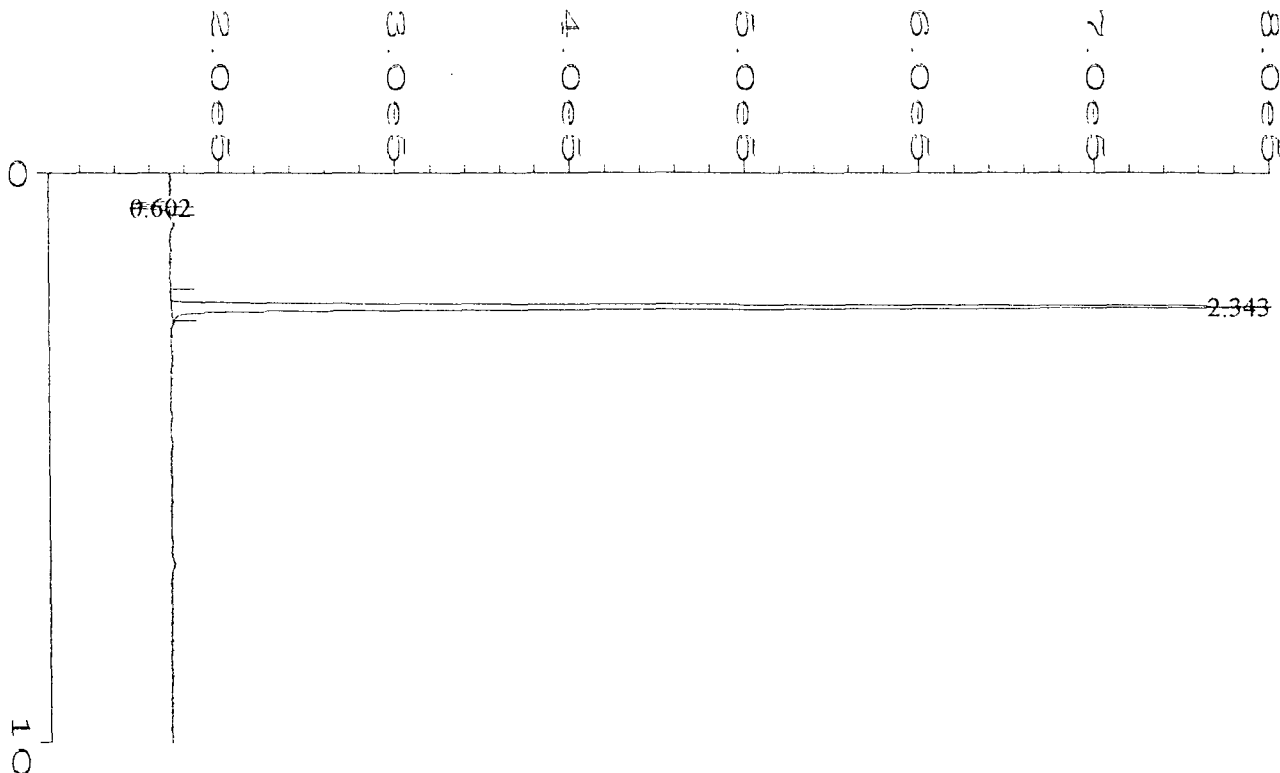
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F0979.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.803	* not found *			1		Benzene
2.347	3855856	PV	0.078	1-R	0.00119	a,a,a-TFT
3.459	* not found *			1		Toluene
6.667	* not found *			1		Ethylbenzene
7.078	* not found *			1		m & p-Xylene
8.526	* not found *			1		o-Xylene
0.601	60747	PV -	0.044		6.07E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.418	2.347	-2.9%

Not all calibrated peaks were found



External Standard Report

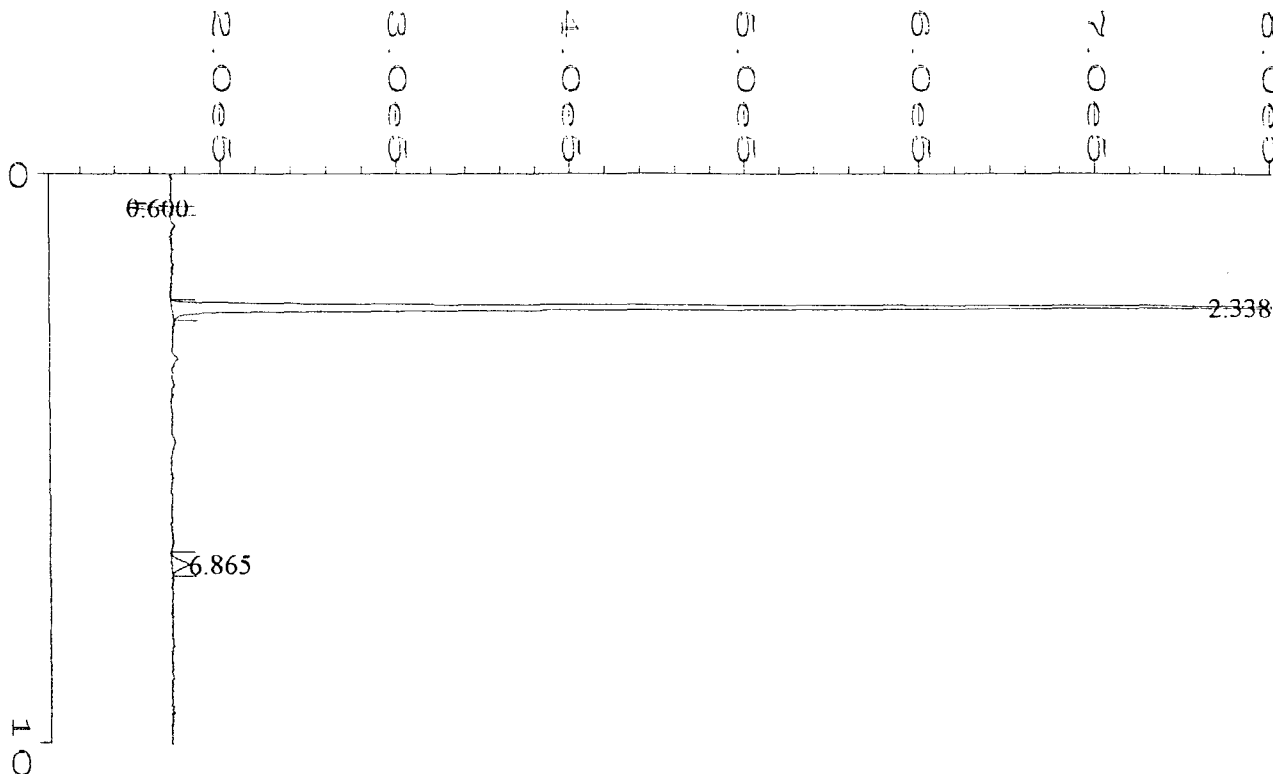
File Name : A:\NV-F0980.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-56, PH-28
 Time Bar Code:
 Acquired on : 11 Dec 93 01:21 PM
 Report Created on: 21 Jan 94 05:28 PM
 Recalib on : 21 Jan 94 05:19 PM
 Multiplier : 1

Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Time	Area	Type	Width	Ref#	ug/L	Name
1.803	* not found *			1		Benzene
2.343	3545550	BV	0.078	1-R	0.00110	a,a,a-TFT
3.459	* not found *			1		Toluene
5.667	* not found *			1		Ethylbenzene
7.078	* not found *			1		m & p-Xylene
8.526	* not found *			1		o-Xylene
0.602	69401	PV -	0.045		6.94E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.418	2.343	-3.1%

all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F0981.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-57, PH-29
 Run Time Bar Code:
 Acquired on : 11 Dec 93 01:34 PM
 Report Created on: 21 Jan 94 05:30 PM
 Last Recalib on : 21 Jan 94 05:19 PM
 Multiplier : 1

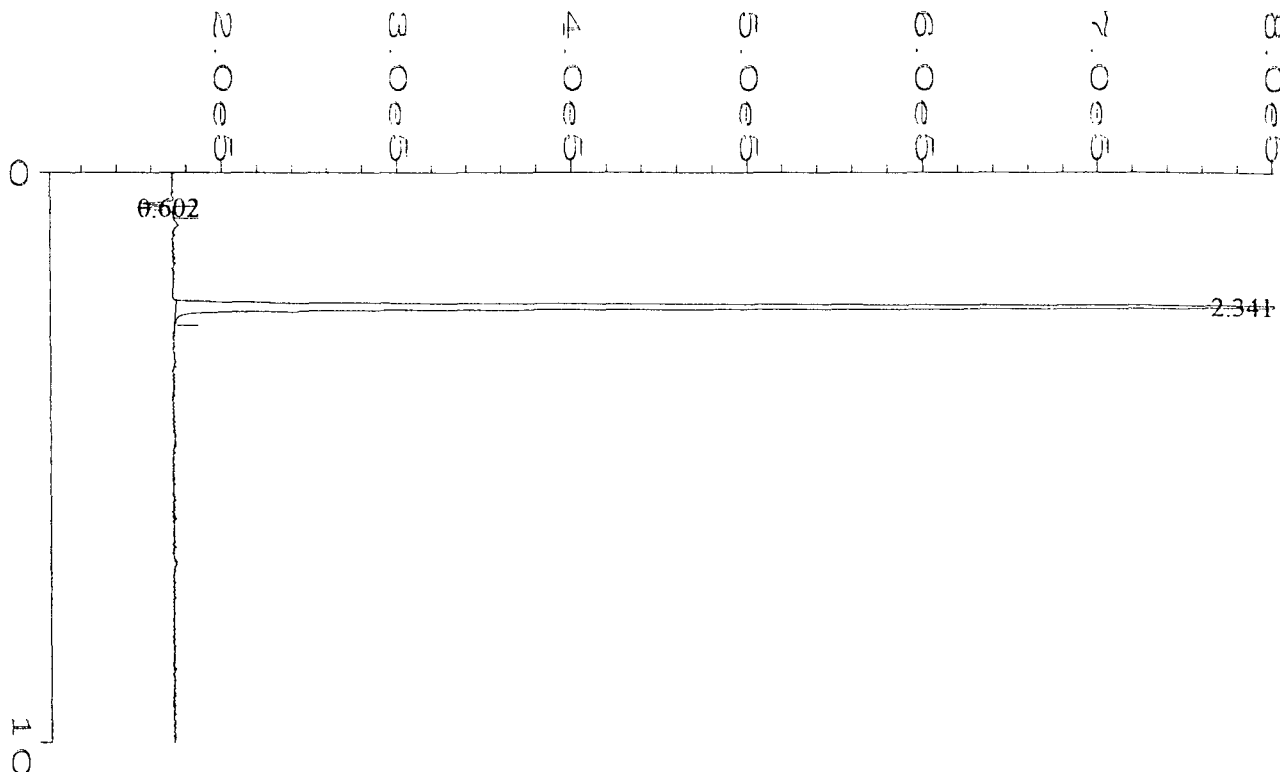
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F0981.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.803	* not found *			1		Benzene
2.338	3838983	VV	0.078	1-R	0.00119	a,a,a-TFT
3.459	* not found *			1		Toluene
6.667	* not found *			1		Ethylbenzene
6.865	96118	PV	0.128	1	1.153	m & p-Xylene
8.526	* not found *			1		o-Xylene
0.600	76150	PV -	0.048		7.61E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.418	2.338	-3.3%

It all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F0982.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-58, PH-29
 Run Time Bar Code:
 Acquired on : 11 Dec 93 01:47 PM
 Report Created on: 21 Jan 94 05:31 PM
 Last Recalib on : 21 Jan 94 05:19 PM
 Multiplier : 1

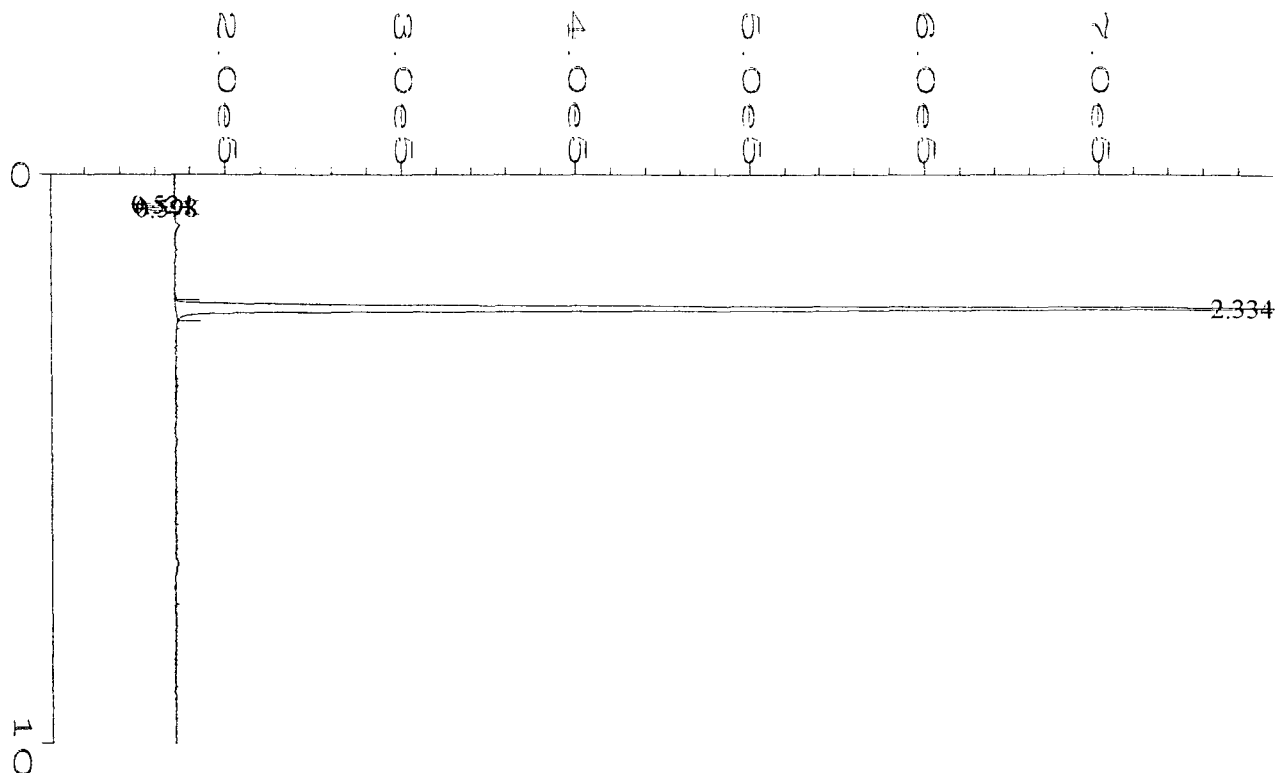
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F0982.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.803	* not found *			1		Benzene
2.341	4353497	PV	0.079	1-R	0.00135	a,a,a-TFT
3.459	* not found *			1		Toluene
6.667	* not found *			1		Ethylbenzene
7.078	* not found *			1		m & p-Xylene
8.526	* not found *			1		o-Xylene
0.602	64805	PV -	0.046		6.48E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.418	2.341	-3.2%

All calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F0983.D

Operator :

Instrument : RECON GC

Sample Name : SG-59, PH-30

Run Time Bar Code:

Acquired on : 11 Dec 93 02:03 PM

Report Created on: 21 Jan 94 05:32 PM

Last Recalib on : 21 Jan 94 05:19 PM

Multiplier : 1

Page Number : 1

Vial Number :

Injection Number :

Sequence Line :

Instrument Method: BLOOMREF.MTH

Analysis Method : BLOOMREF.MTH

Sample Amount : 0

ISTD Amount :

Fig. 1 in A:\NV-F0983.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.803	* not found *			1		Benzene
2.334	3578207	BV	0.077	1-R	0.00111	a,a,a-TFT
3.459	* not found *			1		Toluene
6.667	* not found *			1		Ethylbenzene
7.078	* not found *			1		m & p-Xylene
8.526	* not found *			1		o-Xylene
0.524	67045	BV -	0.045		6.70E-005	* uncalibrated *
0.598	68856	PV -	0.047		6.89E-005	* uncalibrated *

Time Reference Peak

2

Expected RT

2.418

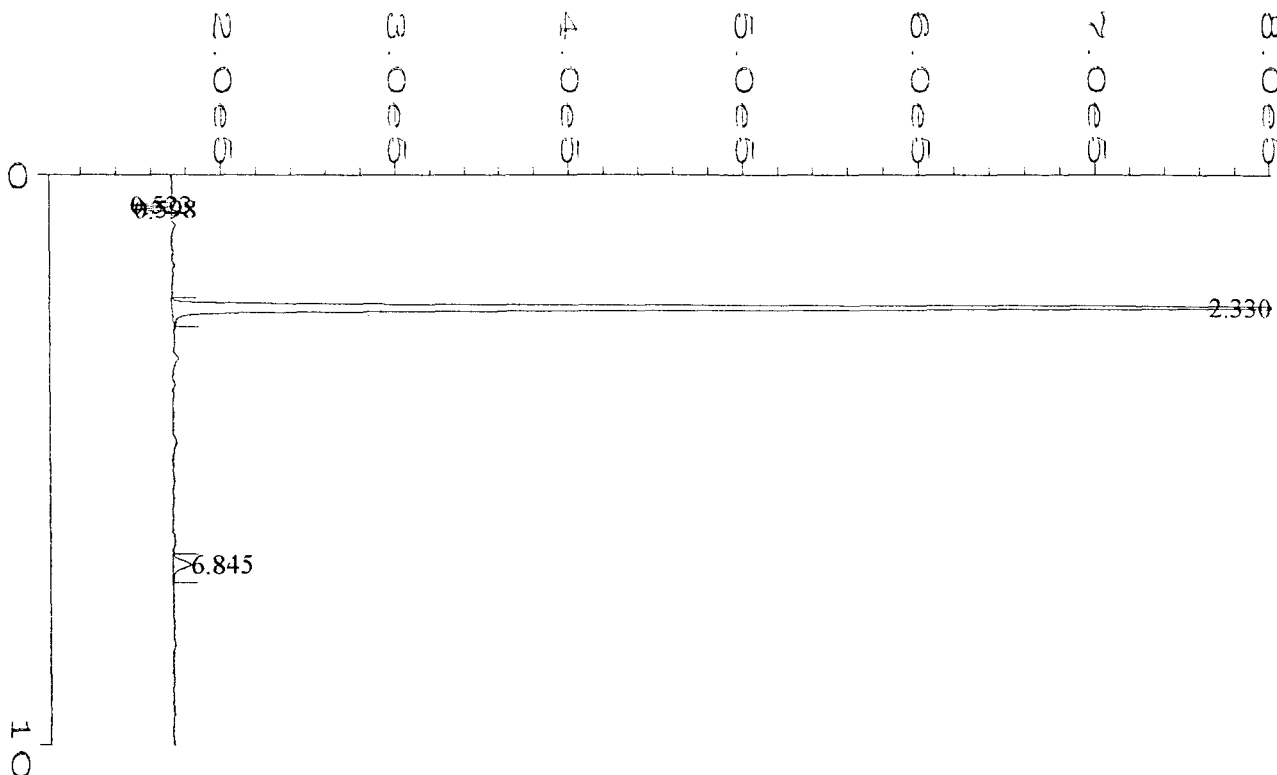
Actual RT

2.334

Difference

-3.5%

Not all calibrated peaks were found



External Standard Report

File Name : A:\NV-F0984.D
 Generator :
 Instrument : RECON GC
 Sample Name : SG-60, PH-30
 Time Bar Code:
 Acquired on : 11 Dec 93 02:17 PM
 Report Created on: 21 Jan 94 05:37 PM
 Last Recalib on : 21 Jan 94 05:19 PM
 Multiplier : 1

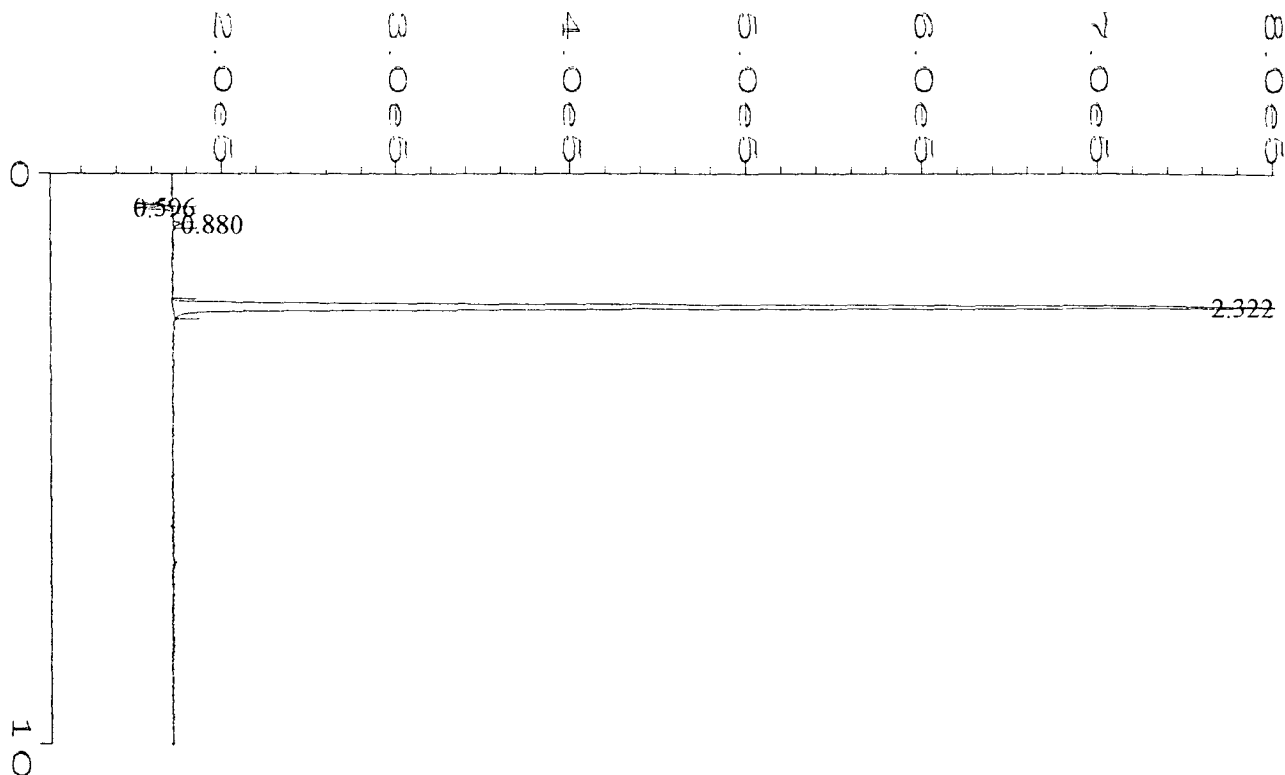
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

1 in A:\NV-F0984.D

Time	Area	Type	Width	Ref#	ug/L	Name
1.803	* not found *			1		Benzene
2.330	4311478	BV	0.078	1-R	0.00133	a,a,a-TFT
3.459	* not found *			1		Toluene
6.667	* not found *			1		Ethylbenzene
6.845	104106	VV	0.122	1	1.248	m & p-Xylene
8.526	* not found *			1		o-Xylene
0.523	58612	BV -	0.041		5.86E-005	* uncalibrated *
0.598	59899	VV -	0.046		5.99E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.418	2.330	-3.6%

all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F0985.D

Operator :

Instrument : RECON GC

Sample Name : SG-61, PH-31

In Time Bar Code:

Acquired on : 11 Dec 93 02:47 PM

Report Created on: 21 Jan 94 05:39 PM

Last Recalib on : 21 Jan 94 05:19 PM

Multiplier : 1

Page Number : 1

Vial Number :

Injection Number :

Sequence Line :

Instrument Method: BLOOMREF.MTH

Analysis Method : BLOOMREF.MTH

Sample Amount : 0

ISTD Amount :

Fig. 1 in A:\NV-F0985.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.803	* not found *			1		Benzene
2.322	3514523	BV	0.077	1-R	0.00109	a,a,a-TFT
3.459	* not found *			1		Toluene
6.667	* not found *			1		Ethylbenzene
7.078	* not found *			1		m & p-Xylene
8.526	* not found *			1		o-Xylene
0.596	58102	PV -	0.042		5.81E-005	* uncalibrated *
0.880	12176	PB	0.040		1.22E-005	* uncalibrated *

Time Reference Peak

2

Expected RT

2.418

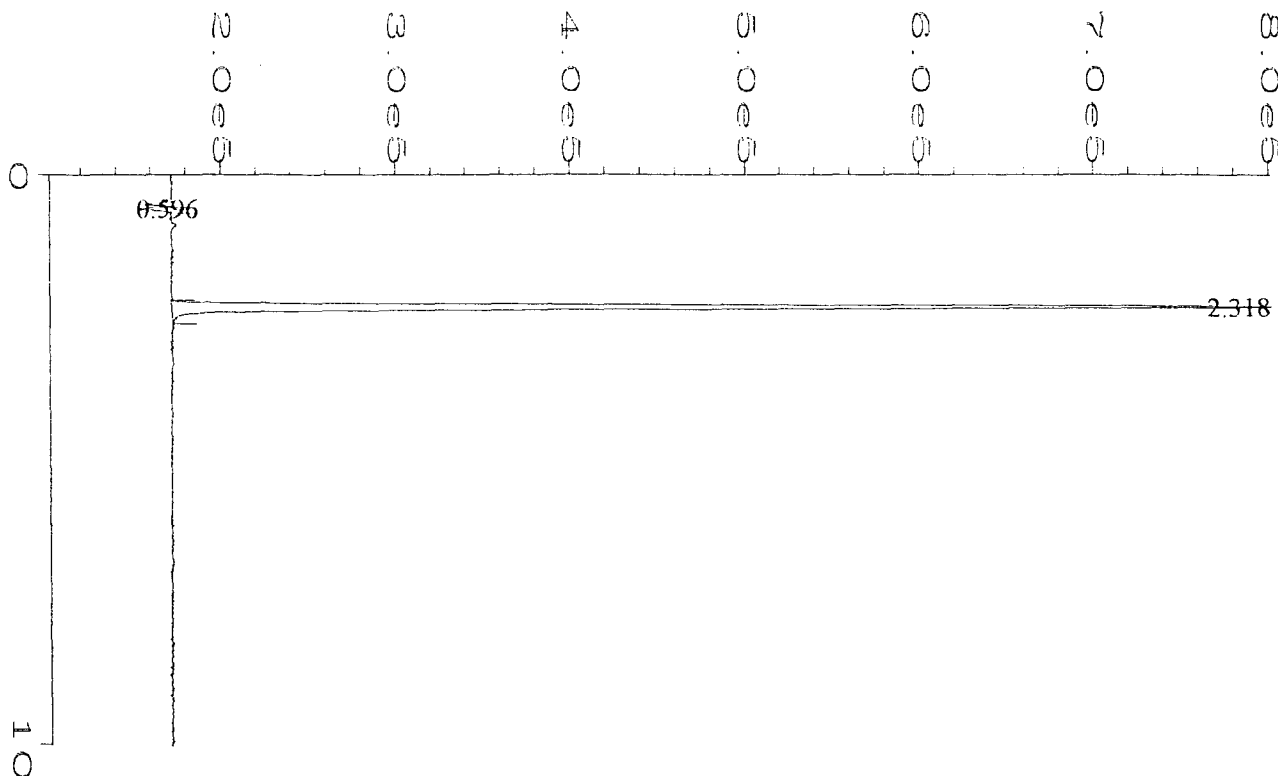
Actual RT

2.322

Difference

-4.0%

all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F0986.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-62, PH-31
 Run Time Bar Code:
 Acquired on : 11 Dec 93 03:02 PM
 Report Created on: 21 Jan 94 05:40 PM
 Last Recalib on : 21 Jan 94 05:19 PM
 Multiplier : 1

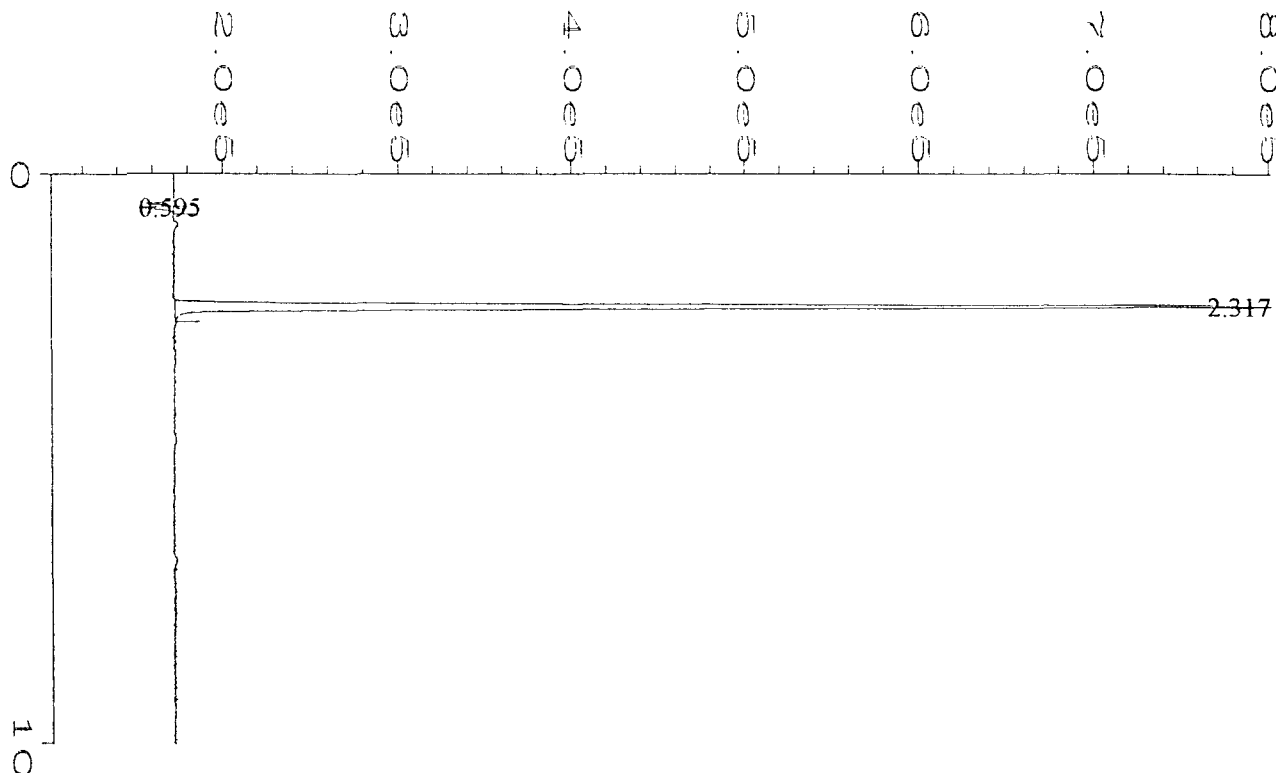
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F0986.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.803	* not found *			1		Benzene
2.318	3419899	PV	0.078	1-R	0.00106	a,a,a-TFT
3.459	* not found *			1		Toluene
6.667	* not found *			1		Ethylbenzene
7.078	* not found *			1		m & p-Xylene
8.526	* not found *			1		o-Xylene
0.596	55914	PV -	0.045		5.59E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.418	2.318	-4.1%

Not all calibrated peaks were found



External Standard Report

File Name : A:\NV-F0987.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-62(D), PH-31
 Time Bar Code:
 Acquired on : 11 Dec 93 03:14 PM
 Report Created on: 21 Jan 94 05:41 PM
 Recalib on : 21 Jan 94 05:19 PM
 Multiplier : 1

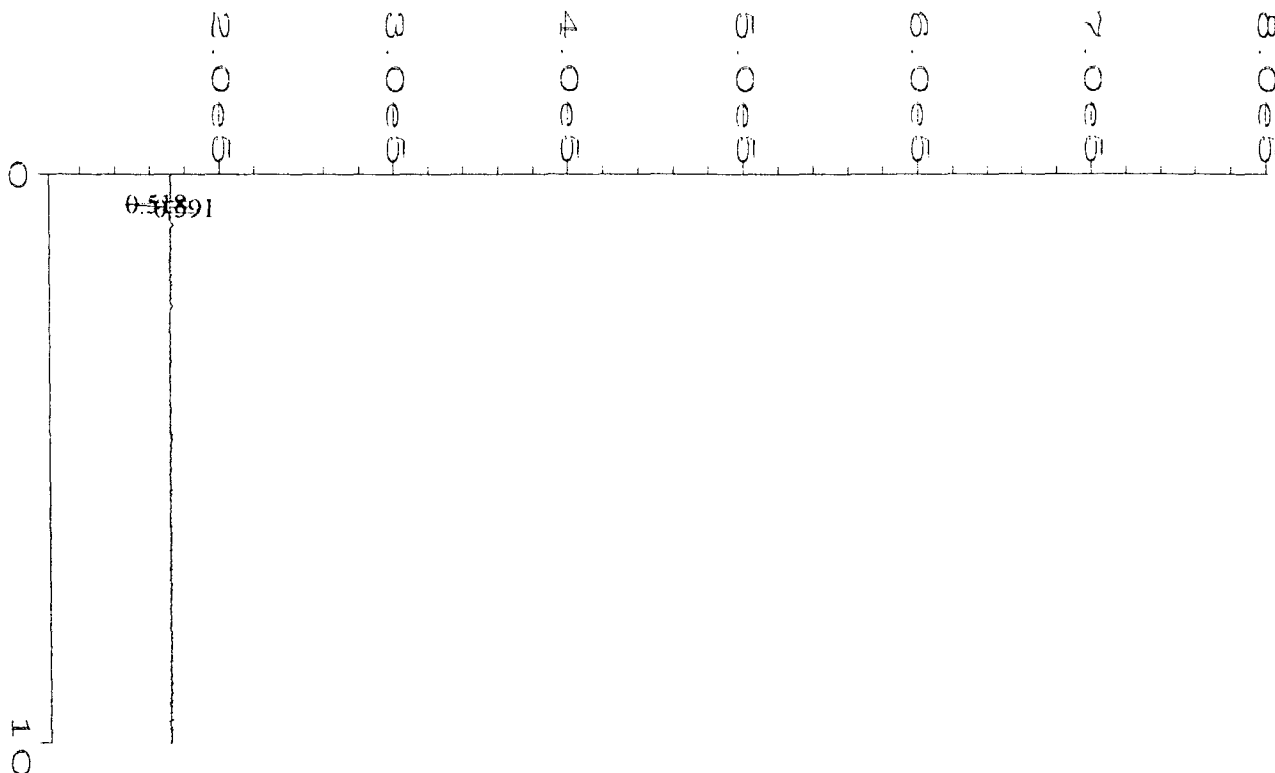
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

1 in A:\NV-F0987.D

Time	Area	Type	Width	Ref#	ug/L	Name
0.803	* not found *			1		Benzene
2.317	3390464	PV	0.078	1-R	0.00105	a,a,a-TFT
3.459	* not found *			1		Toluene
4.667	* not found *			1		Ethylbenzene
5.078	* not found *			1		m & p-Xylene
8.526	* not found *			1		o-Xylene
15.595	57601	PV -	0.046		5.76E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.418	2.317	-4.2%

all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F0988.D
 Operator :
 Instrument : RECON GC
 Sample Name : BLANK-13
 In Time Bar Code:
 Acquired on : 11 Dec 93 03:30 PM
 Report Created on: 21 Jan 94 05:42 PM
 Last Recalib on : 21 Jan 94 05:19 PM
 Multiplier : 1

Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Run 1 in A:\NV-F0988.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.803	* not found *			1		Benzene
2.418	* not found *			1-R		a,a,a-TFT
3.459	* not found *			1		Toluene
6.667	* not found *			1		Ethylbenzene
7.078	* not found *			1		m & p-Xylene
8.526	* not found *			1		o-Xylene
0.518	69969 BV - 0.046				7.00E-005	* uncalibrated *
0.591	28277 PV - 0.044				2.83E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.418	* not found *	

Could not find time reference peak:

No peak of Number 2's description at 2.418 + 0.109 - 0.109 min.
 Not all time reference peaks were found



External Standard Report

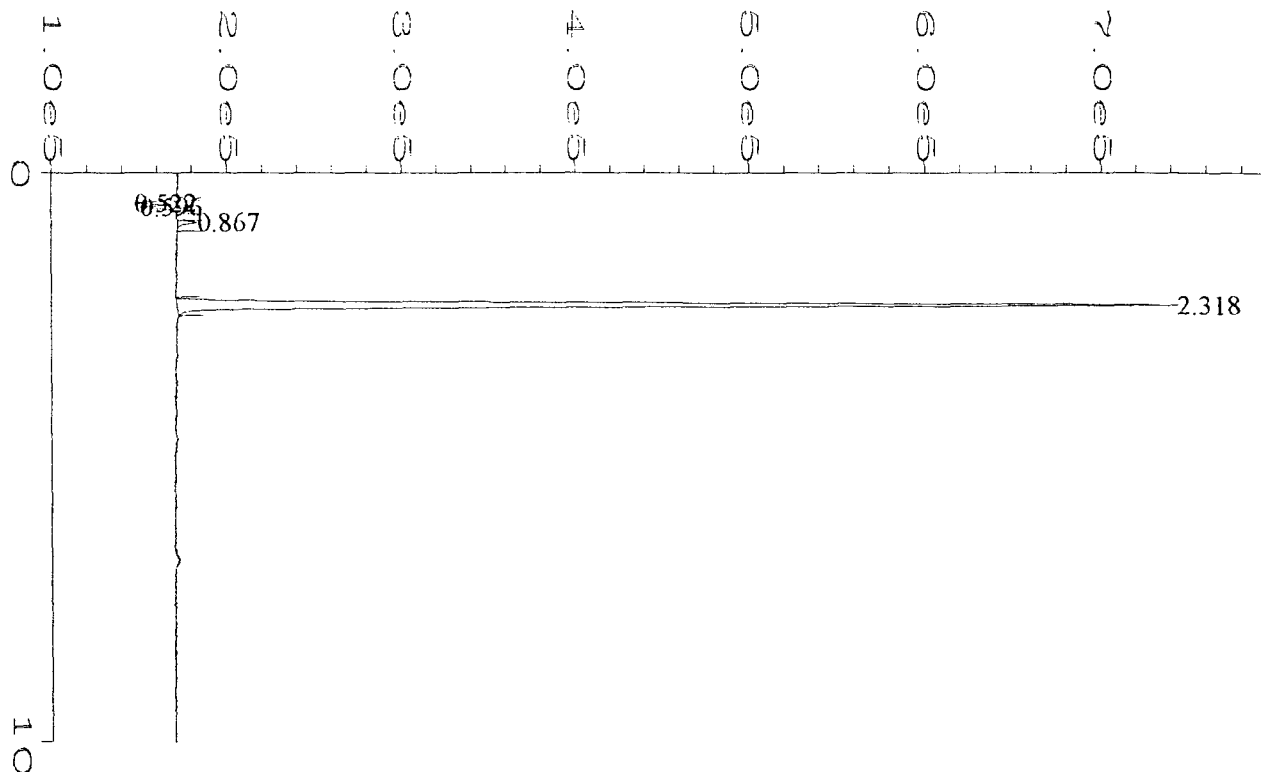
File Name : A:\NV-F0990.D
 Operator :
 Instrument : RECON GC
 Sample Name : STD-1211-03
 In Time Bar Code :
 Acquired on : 11 Dec 93 03:57 PM
 Report Created on: 21 Jan 94 05:43 PM
 Last Recalib on : 21 Jan 94 05:19 PM
 Multiplier : 1

Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

1 in A:\NV-F0990.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.725	7213307	PV	0.061	1	85.413	Benzene
2.314	2655526	BV	0.077	1-R	0.000821	a,a,a-TFT
3.311	7175770	BV	0.086	1	89.714	Toluene
6.389	6551817	PV	0.140	1	91.104	Ethylbenzene
6.784	7336336	VB	0.147	1	87.979	m & p-Xylene
8.173	6091866	BV	0.171	1	87.433	o-Xylene
0.520	68495	BV	0.045		6.85E-005	* uncalibrated *
0.592	26404	PV	0.033		2.64E-005	* uncalibrated *
0.651	355527	PP	0.072		0.000356	* uncalibrated *
0.810	35184	PV	0.045		3.52E-005	* uncalibrated *
0.870	31087	VV	0.060		3.11E-005	* uncalibrated *
1.131	4066	VB	0.065		4.07E-006	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.418	2.314	-4.3%



External Standard Report

Data File Name : A:\NV-F0991.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-63, PH-32
 Run Time Bar Code:
 Acquired on : 11 Dec 93 04:22 PM
 Report Created on: 21 Jan 94 05:44 PM
 Last Recalib on : 21 Jan 94 05:19 PM
 Multiplier : 1

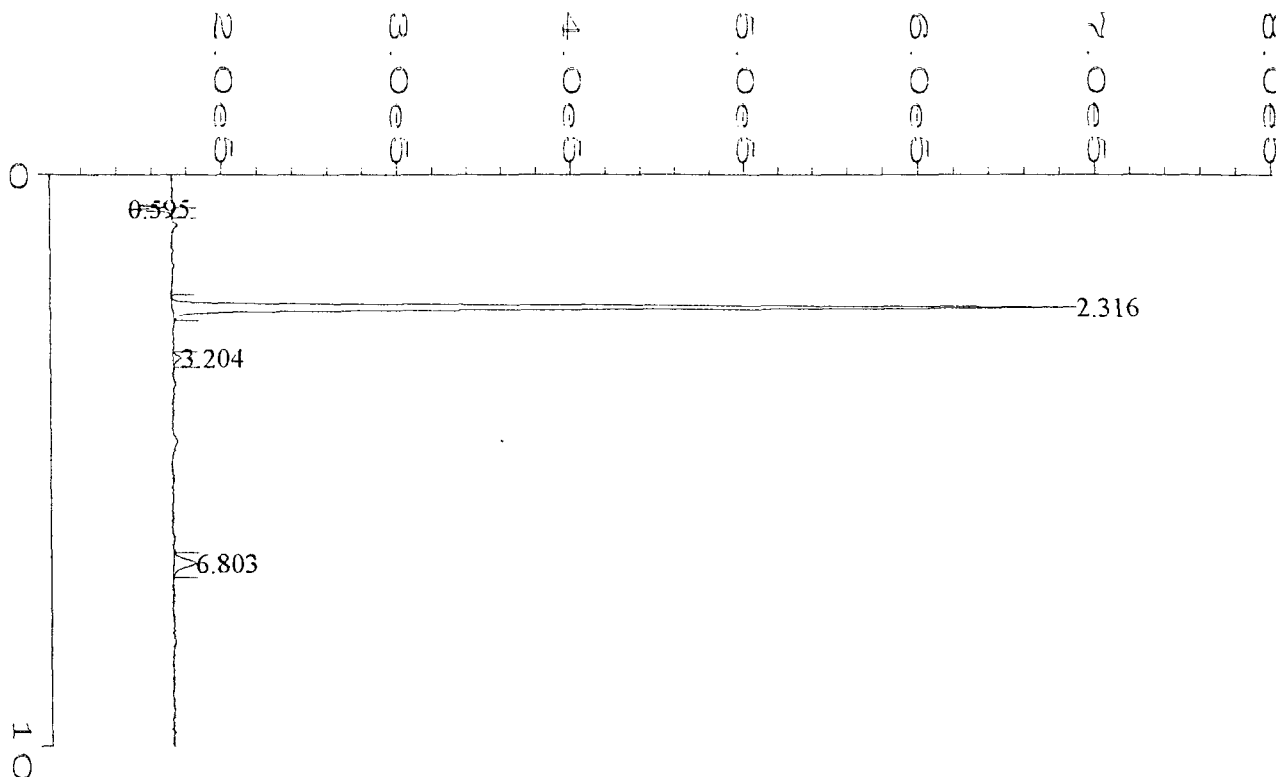
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F0991.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.803	* not found *			1		Benzene
2.318	2870693	BV	0.078	1-R	0.000887	a,a,a-TFT
3.459	* not found *			1		Toluene
6.667	* not found *			1		Ethylbenzene
7.078	* not found *			1		m & p-Xylene
8.526	* not found *			1		o-Xylene
0.522	70244	BV	0.048		7.02E-005	* uncalibrated *
0.596	66903	PV	0.048		6.69E-005	* uncalibrated *
0.867	38082	PB	0.050		3.81E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.418	2.318	-4.1%

Not all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F0992.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-64, PH-32
 In Time Bar Code:
 Acquired on : 11 Dec 93 04:36 PM
 Report Created on: 21 Jan 94 05:45 PM
 Last Recalib on : 21 Jan 94 05:19 PM
 Multiplier : 1

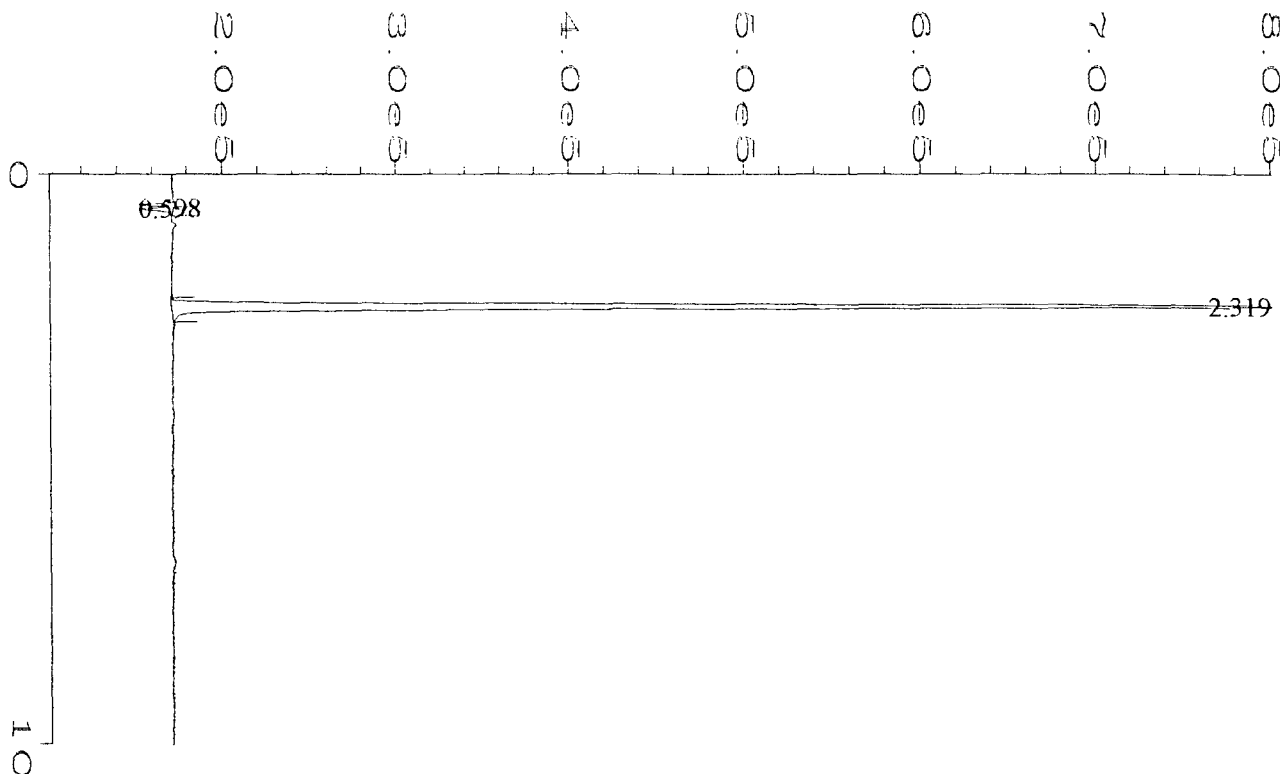
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F0992.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.803	* not found *			1		Benzene
2.316	2626639	BV	0.078	1-R	0.000812	a,a,a-TFT
3.204	30653	BV	0.081	1	0.383	Toluene
6.667	* not found *			1		Ethylbenzene
6.803	125227	PV	0.126	1	1.502	m & p-Xylene
8.526	* not found *			1		o-Xylene
0.595	77965	PV	0.049		7.80E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.418	2.316	-4.2%

All calibrated peaks were found



External Standard Report

File Name : A:\NV-F0993.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-65, PH-33
 In Time Bar Code:
 Acquired on : 11 Dec 93 04:49 PM
 Report Created on: 21 Jan 94 05:46 PM
 Last Recalib on : 21 Jan 94 05:19 PM
 Multiplier : 1

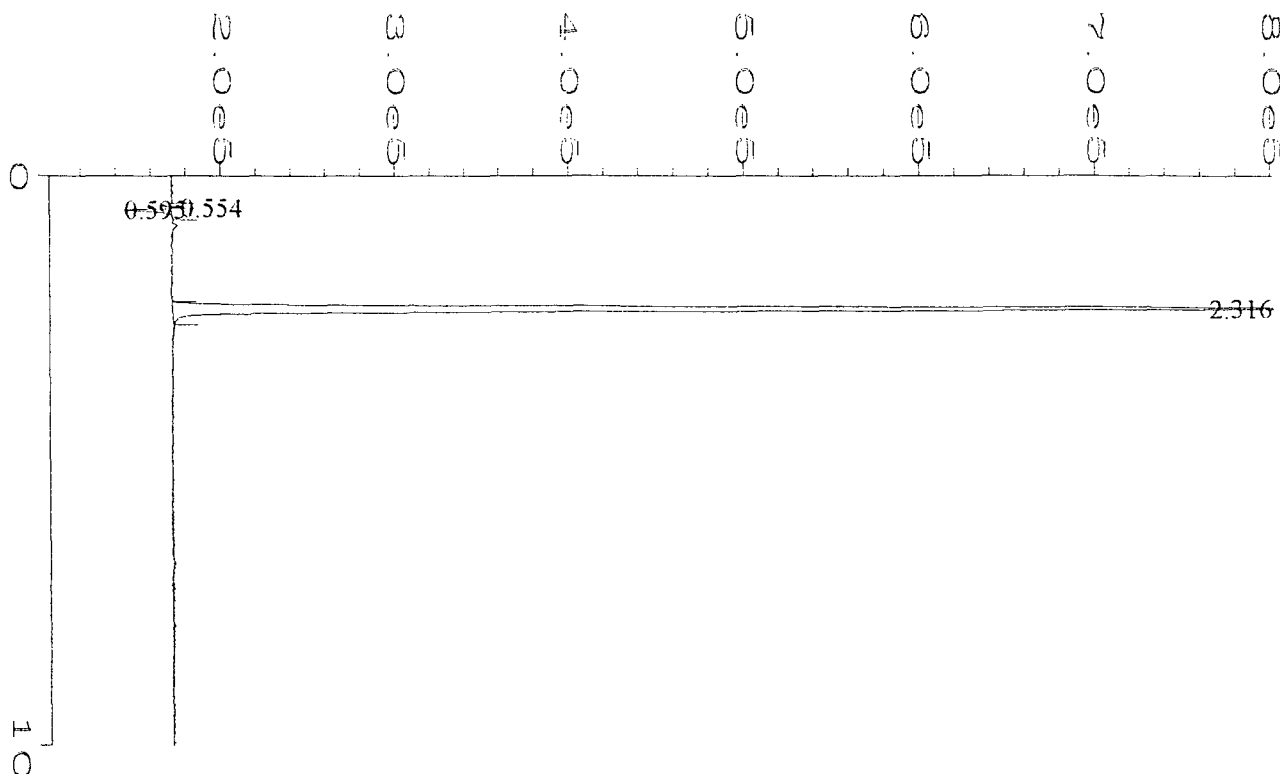
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

1 in A:\NV-F0993.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.803	* not found *			1		Benzene
2.319	3845508	PV	0.078	1-R	0.00119	a,a,a-TFT
3.459	* not found *			1		Toluene
6.667	* not found *			1		Ethylbenzene
7.078	* not found *			1		m & p-Xylene
8.526	* not found *			1		o-Xylene
0.598	60199	PV	0.046		6.02E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.418	2.319	-4.1%

all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F0994.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-66, PH-33
 Run Time Bar Code:
 Acquired on : 11 Dec 93 05:03 PM
 Report Created on: 21 Jan 94 05:47 PM
 Last Recalib on : 21 Jan 94 05:19 PM
 Multiplier : 1

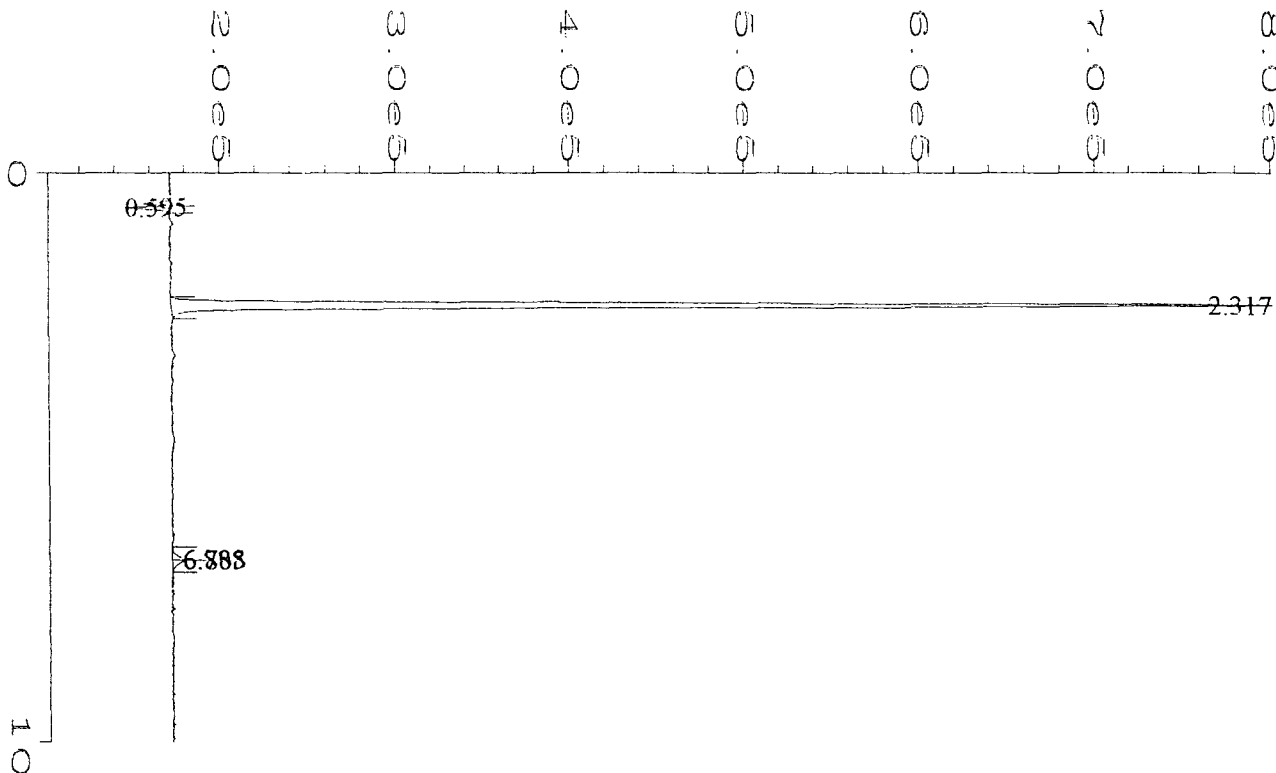
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F0994.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.803	* not found *			1		Benzene
2.316	3825807	PV	0.078	1-R	0.00118	a,a,a-TFT
3.459	* not found *			1		Toluene
6.667	* not found *			1		Ethylbenzene
7.078	* not found *			1		m & p-Xylene
8.526	* not found *			1		o-Xylene
0.554	683	BP -	0.000		6.83E-007	* uncalibrated *
0.595	81551	PV -	0.048		8.16E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.418	2.316	-4.2%

Not all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F0995.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-67, PH-34
 Run Time Bar Code:
 Acquired on : 11 Dec 93 05:15 PM
 Report Created on: 21 Jan 94 05:48 PM
 Last Recalib on : 21 Jan 94 05:19 PM
 Multiplier : 1

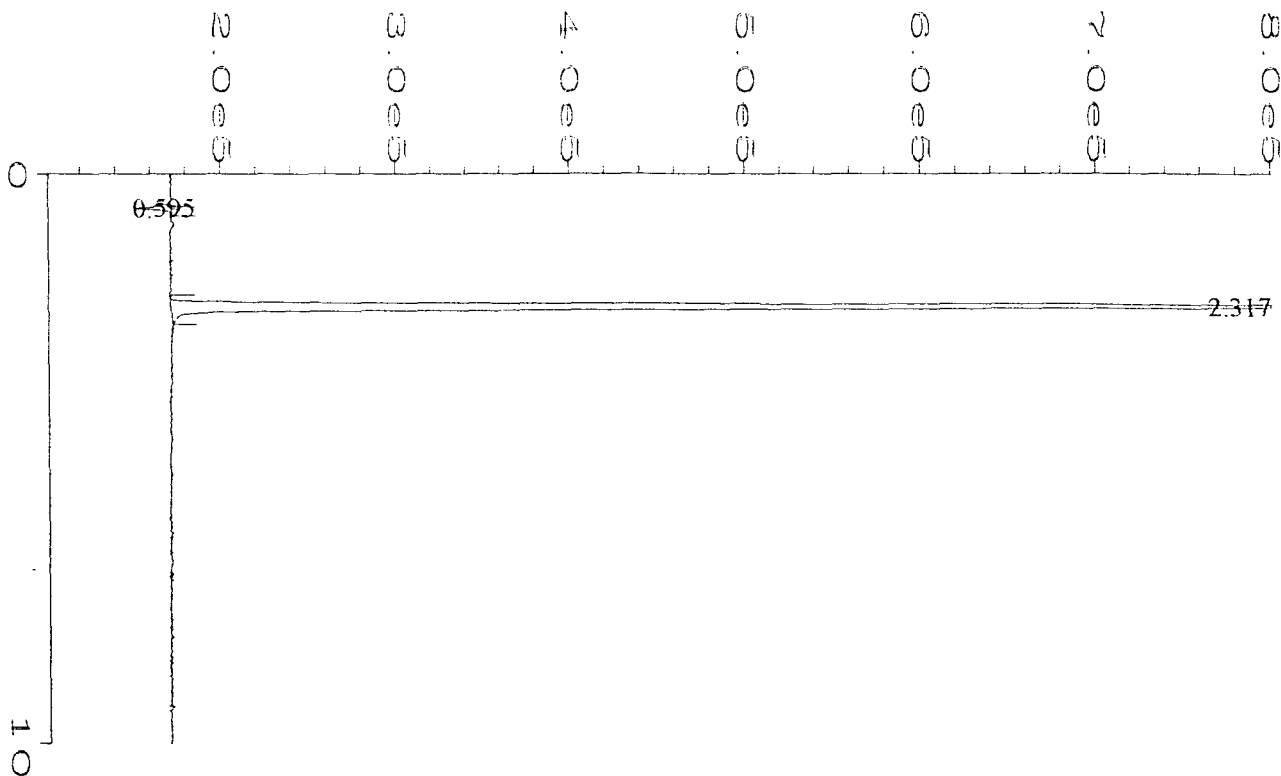
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F0995.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.803	* not found *			1		Benzene
2.317	3355538	BV	0.078	1-R	0.00104	a,a,a-TFT
3.459	* not found *			1		Toluene
6.667	* not found *			1		Ethylbenzene
6.788	28728	VV	0.081	1	0.345	m & p-Xylene
8.526	* not found *			1		o-Xylene
0.595	75679	PV -	0.047		7.57E-005	* uncalibrated *
6.805	31145	VB	0.090		3.11E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.418	2.317	-4.2%

Not all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F0996.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-68, PH-34
 Run Time Bar Code:
 Acquired on : 11 Dec 93 05:28 PM
 Report Created on: 21 Jan 94 05:49 PM
 Last Recalib on : 21 Jan 94 05:19 PM
 Multiplier : 1

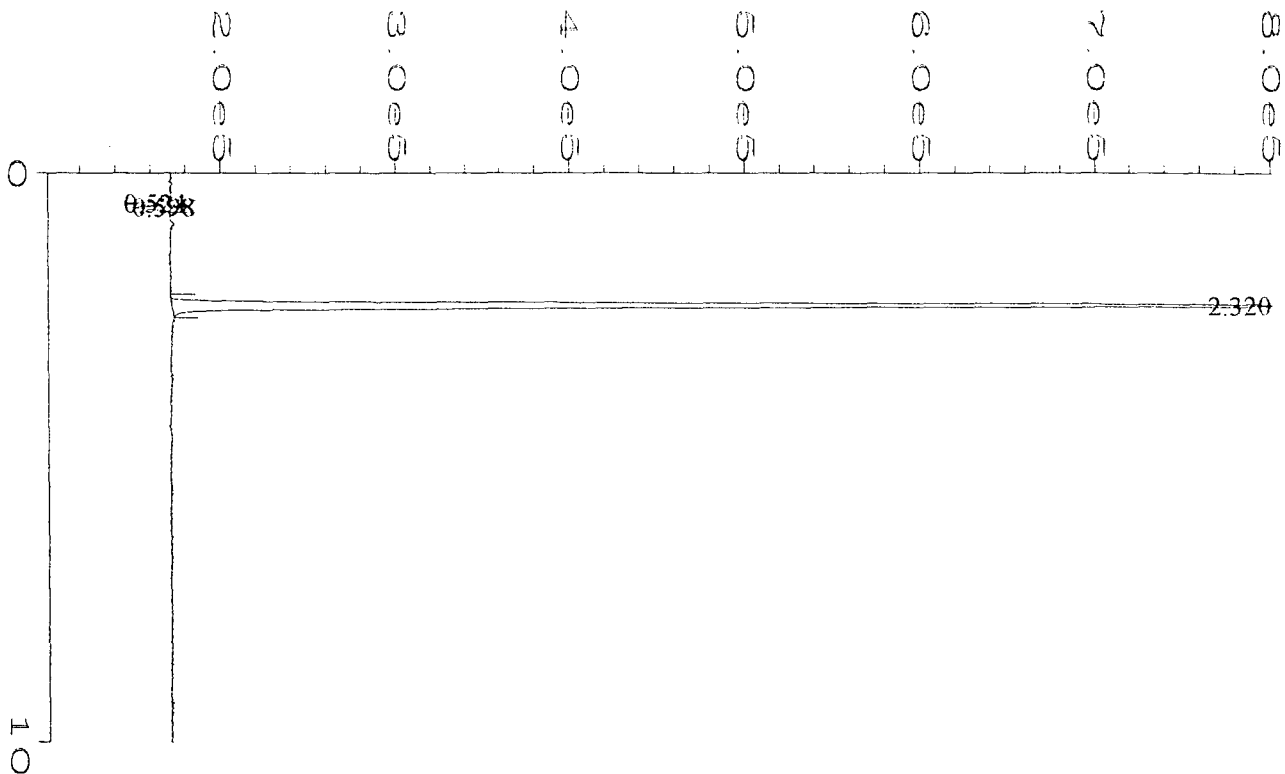
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F0996.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.803	* not found *			1		Benzene
2.317	5161341	BV	0.078	1-R	0.00160	a,a,a-TFT
3.459	* not found *			1		Toluene
6.667	* not found *			1		Ethylbenzene
7.078	* not found *			1		m & p-Xylene
8.526	* not found *			1		o-Xylene
0.595	62181	PV -	0.045		6.22E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.418	2.317	-4.2%

Not all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F0997.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-69, PH-35
 Run Time Bar Code:
 Acquired on : 11 Dec 93 05:42 PM
 Report Created on: 21 Jan 94 05:50 PM
 Last Recalib on : 21 Jan 94 05:19 PM
 Multiplier : 1

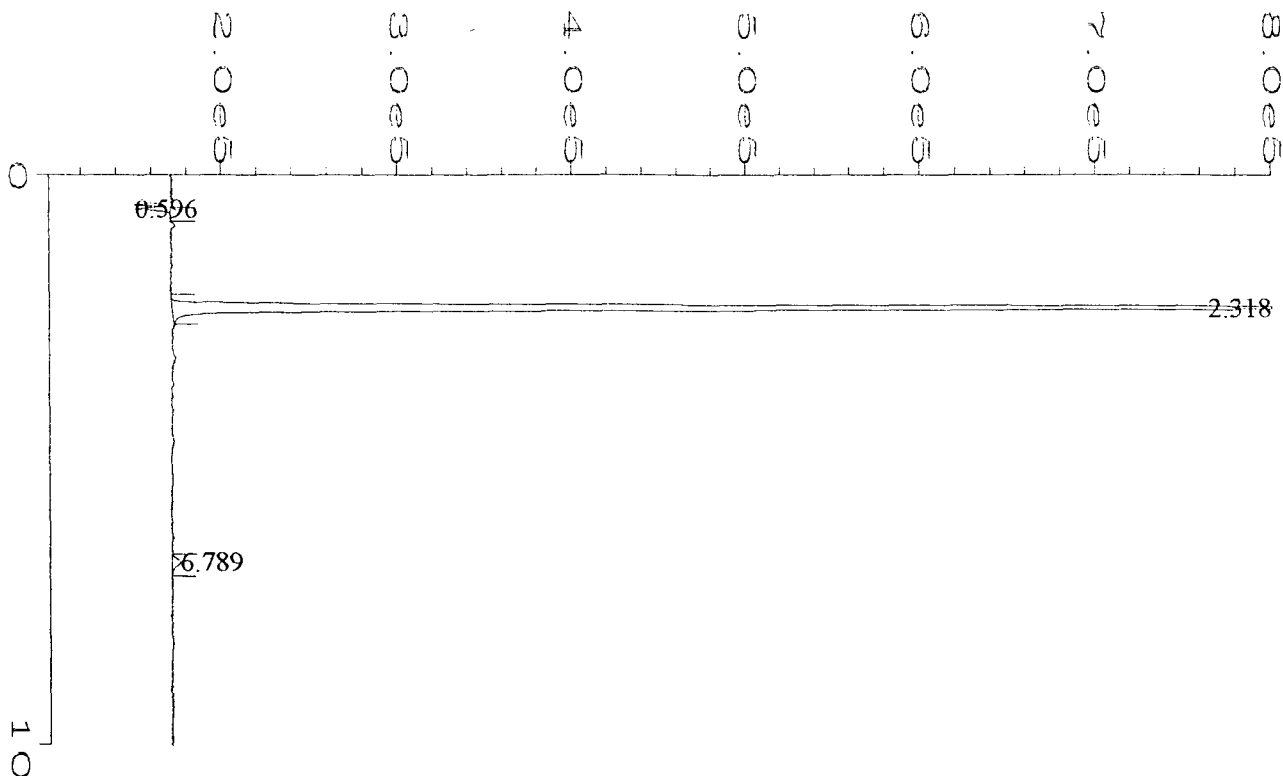
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F0997.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.803	* not found *			1		Benzene
2.320	3881895	BV	0.078	1-R	0.00120	a,a,a-TFT
3.459	* not found *			1		Toluene
6.667	* not found *			1		Ethylbenzene
7.078	* not found *			1		m & p-Xylene
8.526	* not found *			1		o-Xylene
0.524	75568	BV -	0.047		7.56E-005	* uncalibrated *
0.598	69648	PV -	0.049		6.96E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.418	2.320	-4.1%

Not all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F0998.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-70, PH-35
 Run Time Bar Code:
 Acquired on : 11 Dec 93 05:55 PM
 Report Created on: 21 Jan 94 05:51 PM
 Last Recalib on : 21 Jan 94 05:19 PM
 Multiplier : 1

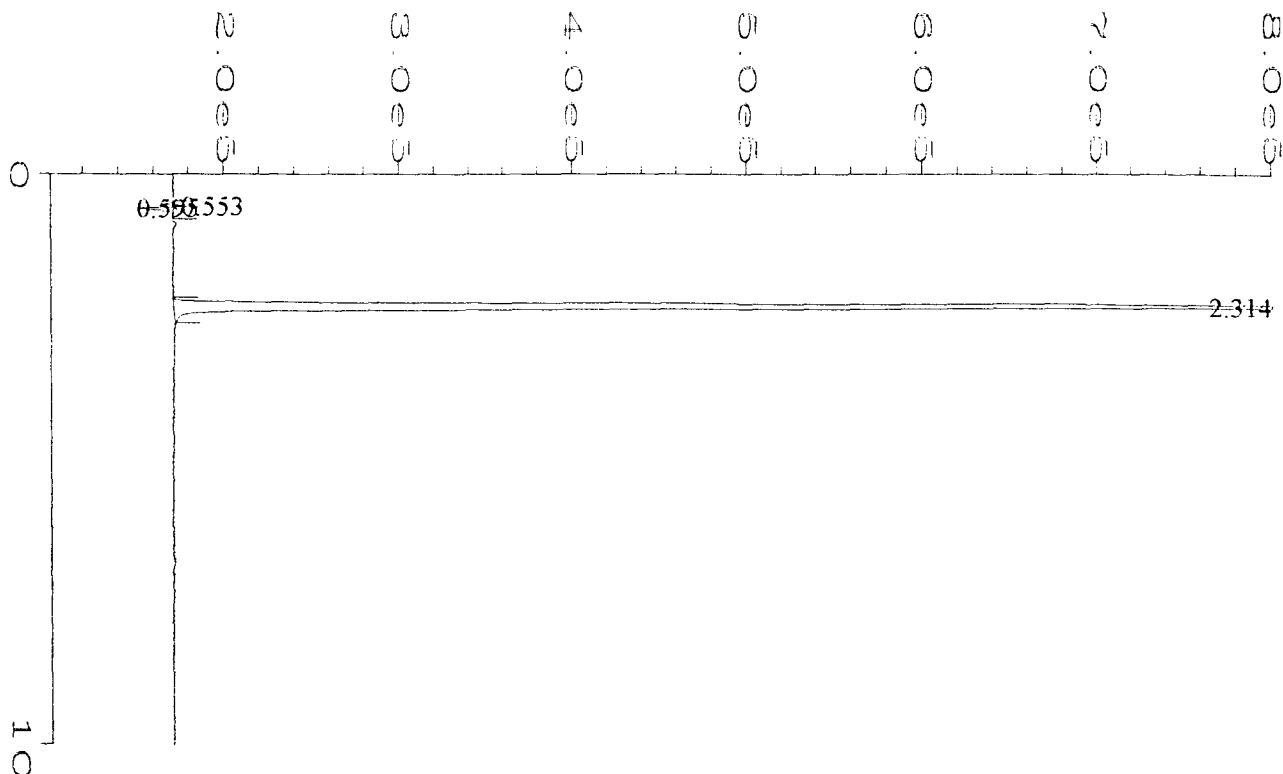
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F0998.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.803	* not found *			1		Benzene
2.318	5009923	BV	0.078	1-R	0.00155	a,a,a-TFT
3.459	* not found *			1		Toluene
6.667	* not found *			1		Ethylbenzene
6.789	43578	BB	0.121	1	0.523	m & p-Xylene
8.526	* not found *			1		o-Xylene
0.596	64241	PV	0.049		6.42E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.418	2.318	-4.1%

all calibrated peaks were found



External Standard Report

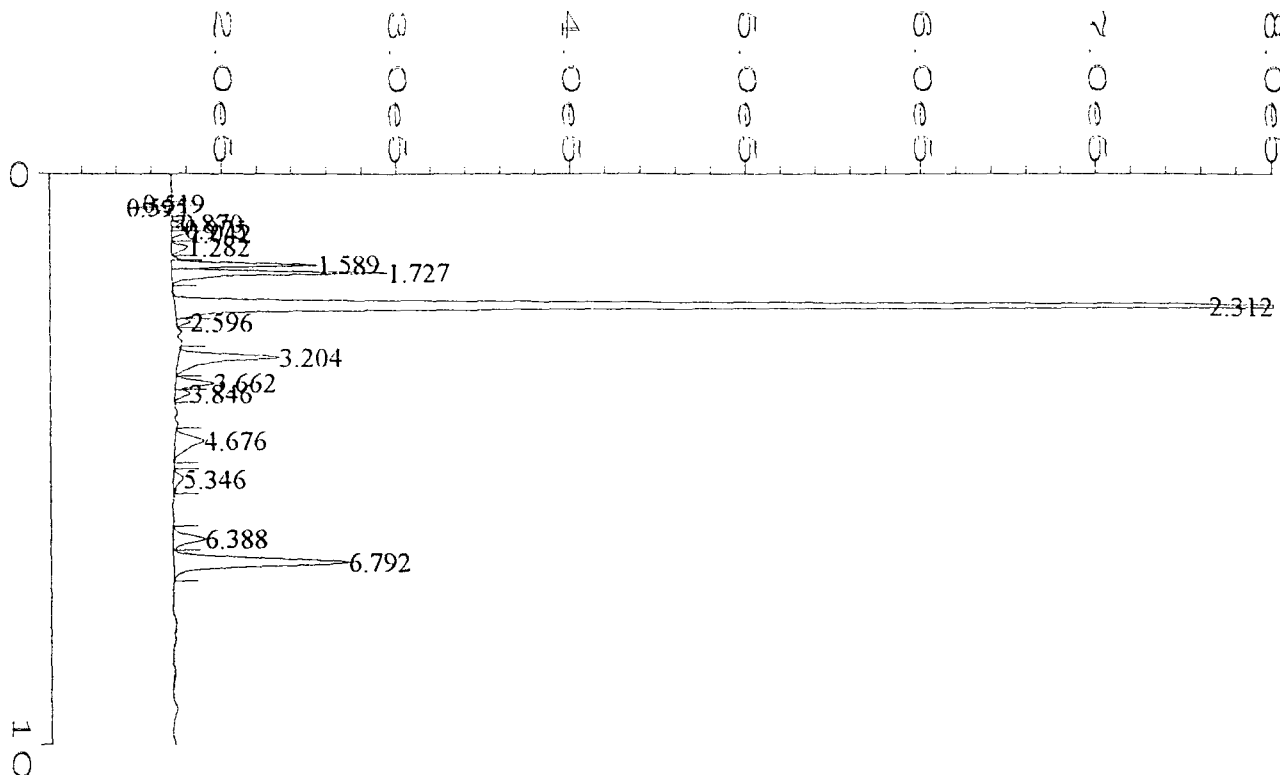
File Name	: A:\NV-F1001.D	Page Number	: 1
Operator	:	Vial Number	:
Instrument	: RECON GC	Injection Number	:
Sample Name	: SG-71, PH-36	Sequence Line	:
Time Bar Code:		Instrument Method:	BLOOMREF.MTH
Acquired on	: 11 Dec 93 06:10 PM	Analysis Method	: BLOOMREF.MTH
Report Created on:	21 Jan 94 05:52 PM	Sample Amount	: 0
Recalib on	: 21 Jan 94 05:19 PM	ISTD Amount	:
Multiplier	: 1		

1 in A:\NV-F1001.D

Time	Area	Type	Width	Ref#	ug/L	Name
0.803	* not found *			1		Benzene
1.314	4733658	BV	0.077	1-R	0.00146	a,a,a-TFT
3.459	* not found *			1		Toluene
6.667	* not found *			1		Ethylbenzene
7.078	* not found *			1		m & p-Xylene
8.526	* not found *			1		o-Xylene
0.553	346	BP	0.001		3.46E-007	* uncalibrated *
1.595	60062	PV	0.046		6.01E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.418	2.314	-4.3%

all calibrated peaks were found



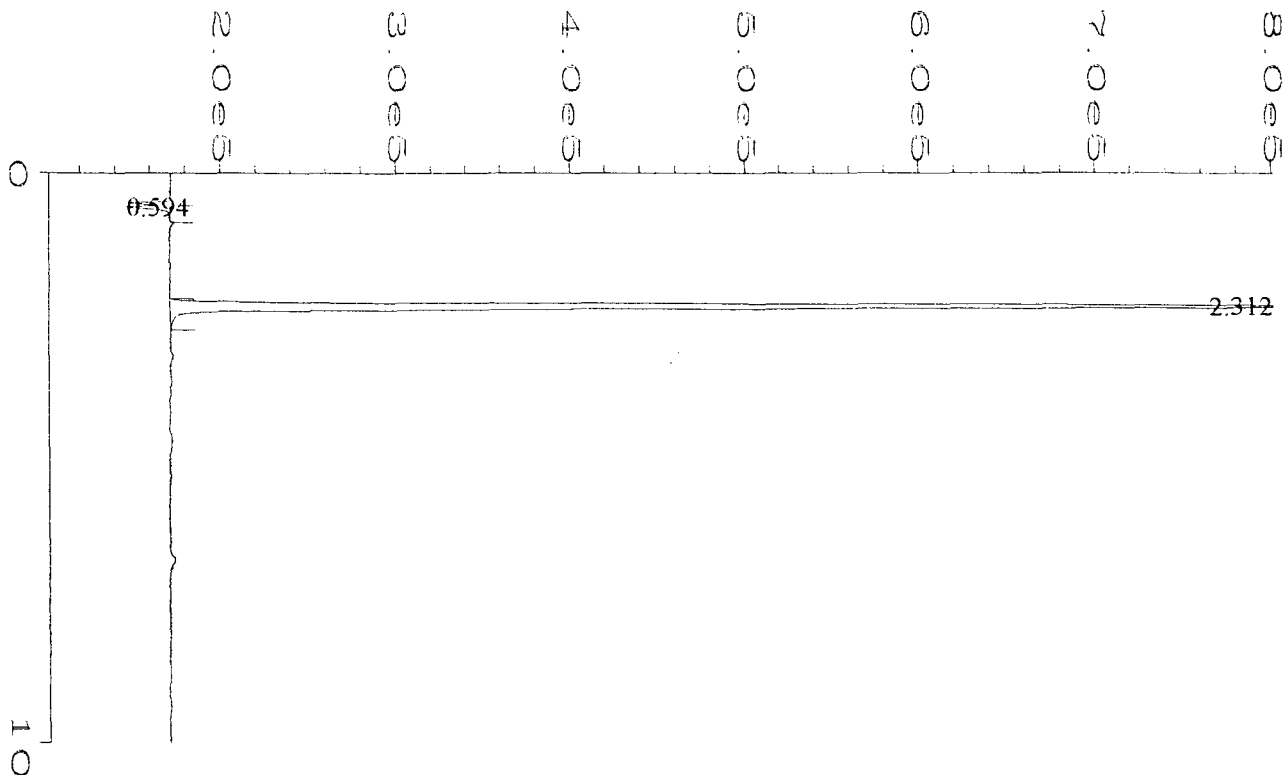
External Standard Report

Data File Name : A:\NV-F1002.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-72, PH-36
 Run Time Bar Code:
 Acquired on : 11 Dec 93 06:26 PM
 Report Created on: 21 Jan 94 05:53 PM
 Last Recalib on : 21 Jan 94 05:19 PM
 Multiplier : 1

Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F1002.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.727	606581	VV	0.073	1	7.183	Benzene
2.312	5910287	PV	0.088	1-R	0.00183	a,a,a-TFT
3.204	508283	BV	0.129	1	6.355	Toluene
6.388	173485	BV	0.118	1	2.412	Ethylbenzene
6.792	980028	VV	0.148	1	11.753	m & p-Xylene
8.526	* not found *			1		o-Xylene
0.519	32963	BV -	0.035		3.30E-005	* uncalibrated *
0.595	58816	VP -	0.040		5.88E-005	* uncalibrated *
0.870	19486	BV	0.058		1.95E-005	* uncalibrated *
0.975	21283	VV	0.044		2.13E-005	* uncalibrated *
1.042	40850	VV	0.057		4.09E-005	* uncalibrated *
1.282	68807	PV	0.095		6.88E-005	* uncalibrated *
1.589	369009	VV	0.068		0.000369	* uncalibrated *
2.596	42793	VV	0.071		4.28E-005	* uncalibrated *
3.662	155186	PV	0.104		0.000155	* uncalibrated *
3.846	59202	VV	0.090		5.92E-005	* uncalibrated *
4.676	227487	BV	0.167		0.000227	* uncalibrated *



External Standard Report

Data File Name : A:\NV-F1008.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-74, PH-37
 Run Time Bar Code:
 Acquired on : 11 Dec 93 09:30 PM
 Report Created on: 21 Jan 94 05:58 PM
 Last Recalib on : 21 Jan 94 05:19 PM
 Multiplier : 1

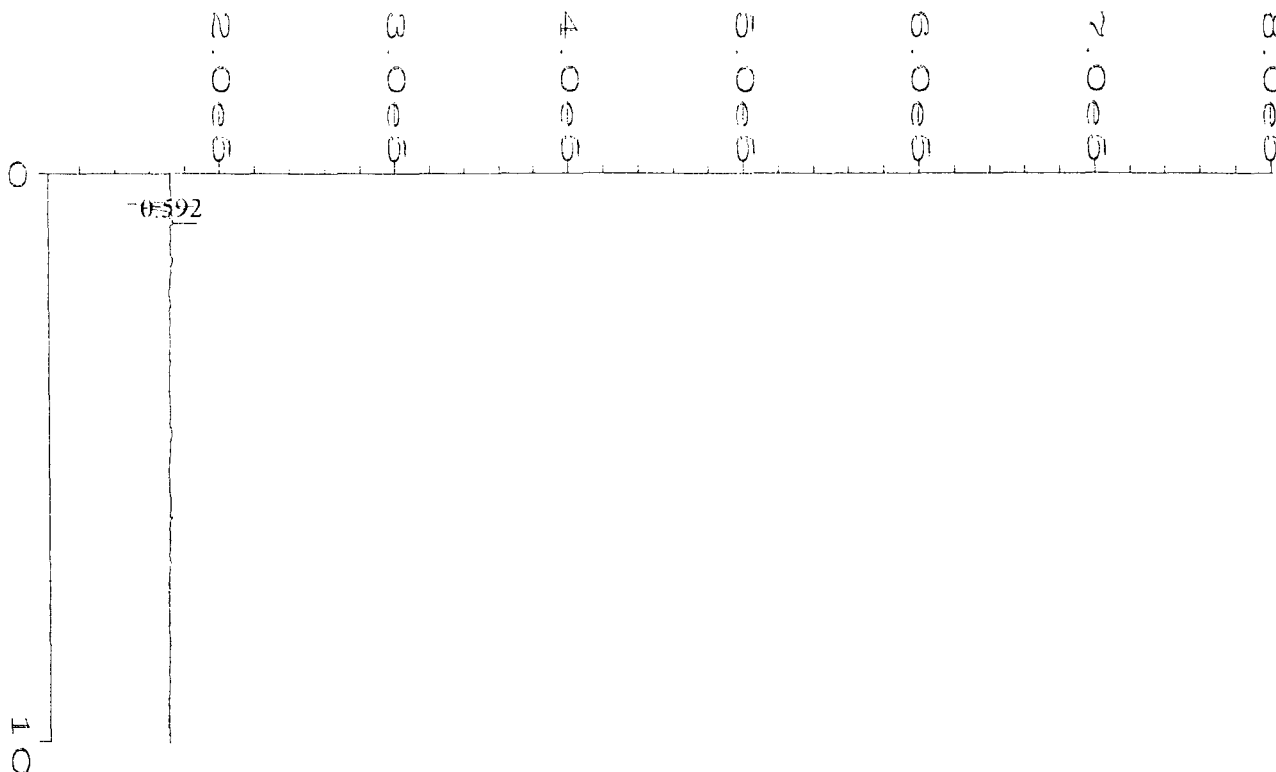
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F1008.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.803	* not found *			1		Benzene
2.312	4427456	BV	0.078	1-R	0.00137	a,a,a-TFT
3.459	* not found *			1		Toluene
6.667	* not found *			1		Ethylbenzene
7.078	* not found *			1		m & p-Xylene
8.526	* not found *			1		o-Xylene
0.594	77004	PP -	0.048		7.70E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.418	2.312	-4.4%

Not all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F1010.D
 Operator :
 Instrument : RECON GC
 Sample Name : BLANK-15
 Run Time Bar Code:
 Acquired on : 12 Dec 93 07:30 AM
 Report Created on: 21 Jan 94 06:04 PM
 Last Recalib on : 21 Jan 94 05:19 PM
 Multiplier : 1

Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

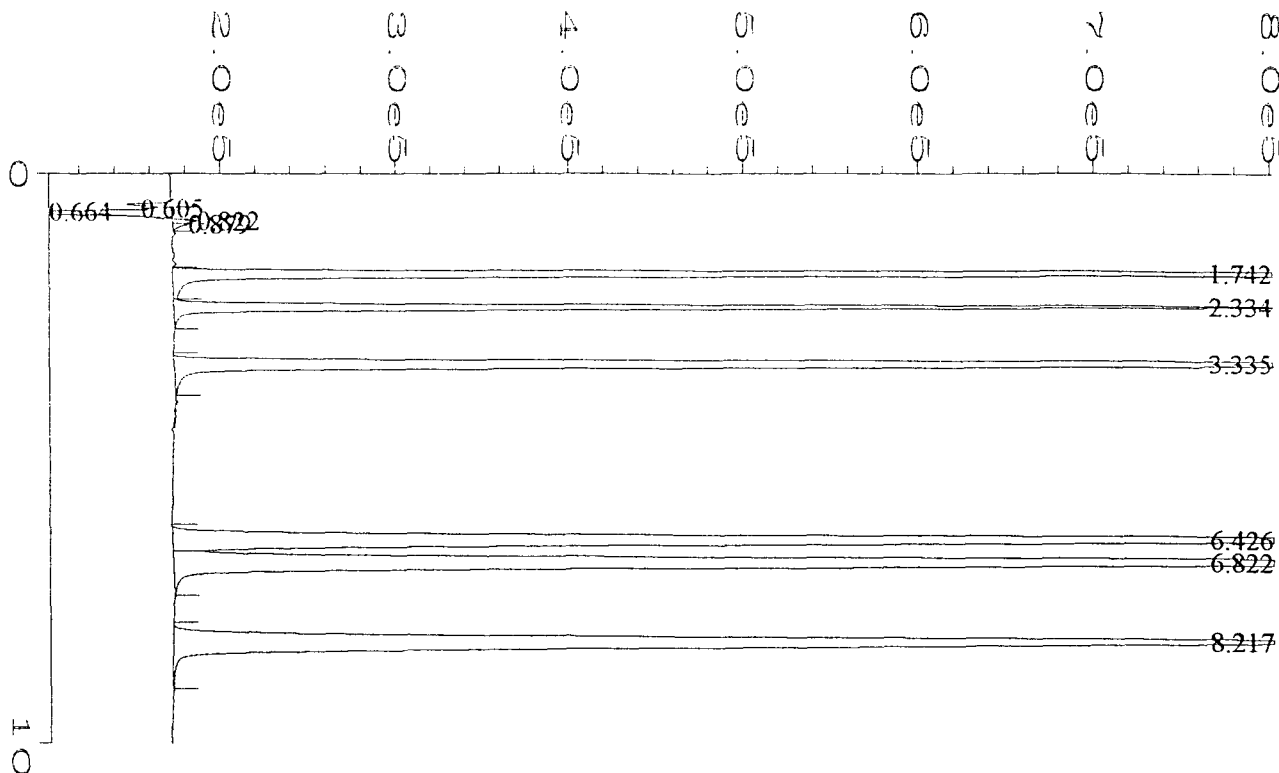
Fig. 1 in A:\NV-F1010.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.803	* not found *			1		Benzene
2.418	* not found *			1-R		a,a,a-TFT
3.459	* not found *			1		Toluene
6.667	* not found *			1		Ethylbenzene
7.078	* not found *			1		m & p-Xylene
8.526	* not found *			1		o-Xylene
0.592	61968	PV - 0.053			6.20E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.418	* not found *	

Could not find time reference peak:

No peak of Number 2's description at 2.418 + 0.121 - 0.121 min.
 Not all time reference peaks were found
 Not all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F1013.D
 Operator :
 Instrument : RECON GC
 Sample Name : ~~BLANK~~ 15 STD-1212
 Run Time Bar Code:
 Acquired on : 12 Dec 93 08:22 AM
 Report Created on: 21 Jan 94 06:06 PM
 Last Recalib on : 21 Jan 94 06:06 PM
 Multiplier : 1

Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F1013.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.742	9353832	PV	0.064	1	103.000	Benzene
2.334	3485518	VB	0.080	1-R	0.00100	a,a,a-TFT
3.335	9390154	BB	0.089	1	109.000	Toluene
6.426	8604110	BV	0.141	1	109.000	Ethylbenzene
6.822	9677708	VB	0.148	1	106.000	m & p-Xylene
8.217	8090537	BB	0.172	1	105.000	o-Xylene
0.605	35770	PV -	0.034		3.58E-005	* uncalibrated *
0.664	440653	PP -	0.086		0.000441	* uncalibrated *
0.822	43375	PV	0.047		4.34E-005	* uncalibrated *
0.879	28736	VV	0.055		2.87E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.334	2.334	0.0%

Calibration Report

File Name : A:\NV-F1013.D
Operator :
Instrument : RECON GC
Sample Name : ~~BLANK-15~~
Run Time Bar Code: 570-1212
Acquired on : 12 Dec 93 08:22 AM
Report Created on: 21 Jan 94 06:06 PM
Last Recalib on : 21 Jan 94 05:19 PM
Multiplier : 1

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: BLOOMREF.MTH
Analysis Method : BLOOMREF.MTH
Sample Amount : 0
ISTD Amount :

Calibration Table

Peak #	RT	Lvl	ug/L	Amt/Area	Ref	Istd	I#	Name
1	1.742	1	103.0	1.1012e-005			1	Benzene
2	2.334	1	0.001	2.869e-010	Ref		1	a,a,a-TFT
3	3.335	1	109.0	1.1608e-005			1	Toluene
4	6.426	1	109.0	1.2668e-005			1	Ethylbenzene
5	6.822	1	106.0	1.0953e-005			1	m & p-Xylene
6	8.217	1	105.0	1.2978e-005			1	o-Xylene

Calibration Settings

Title: CALIBRATION STD

Reference window: 10.000 %
Non-reference window: 7.000 %
Units of amount: ug/L
Multiplier: 1.0
Uncal peaks: 1.0e-009
Sample Amount: 0.0

Sample ISTD Information

No Sample ISTD Amounts

Multilevel Information

Fit: Linear
Origin: Force



External Standard Report

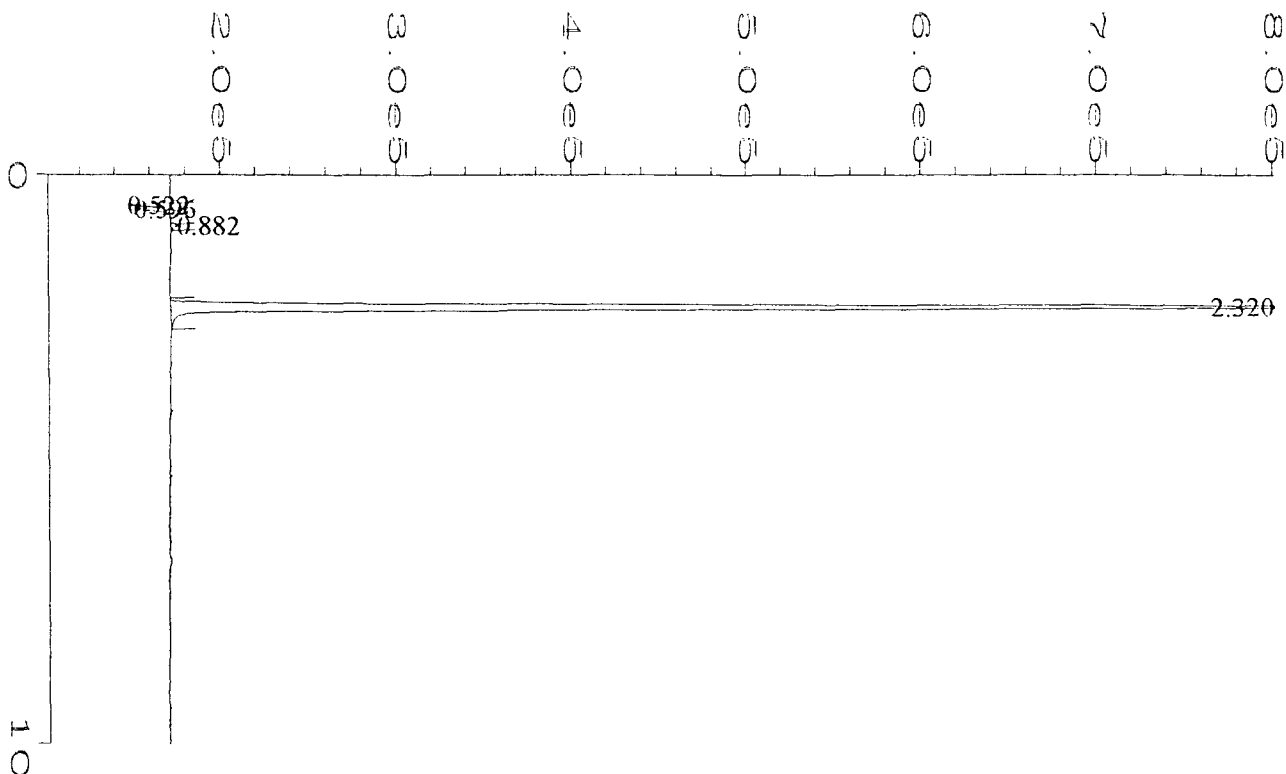
Data File Name : A:\NV-F1015.D
 Operator :
 Instrument : RECON GC
 Sample Name : STD-1212-02
 Run Time Bar Code:
 Acquired on : 12 Dec 93 08:50 AM
 Report Created on: 21 Jan 94 06:08 PM
 Last Recalib on : 21 Jan 94 06:06 PM
 Multiplier : 1

Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F1015.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.737	9387857	PV	0.064	1	103.375	Benzene
2.328	3444929	VB	0.080	1-R	0.000988	a,a,a-TFT
3.329	9276851	BB	0.089	1	107.685	Toluene
6.416	8312518	BV	0.141	1	105.306	Ethylbenzene
6.813	9317017	VB	0.147	1	102.049	m & p-Xylene
8.206	7704152	BB	0.172	1	99.985	o-Xylene
0.529	76379	BV -	0.050		7.64E-005	* uncalibrated *
0.602	41568	PV -	0.036		4.16E-005	* uncalibrated *
0.661	418307	PP -	0.083		0.000418	* uncalibrated *
0.820	70221	PV	0.070		7.02E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.334	2.328	-0.3%



External Standard Report

Data File Name : A:\NV-F1016.D
 Operator :
 Instrument : RECON GC
 Sample Name : BLANK-16
 Run Time Bar Code:
 Acquired on : 12 Dec 93 09:54 AM
 Report Created on: 21 Jan 94 06:09 PM
 Last Recalib on : 21 Jan 94 06:06 PM
 Multiplier : 1

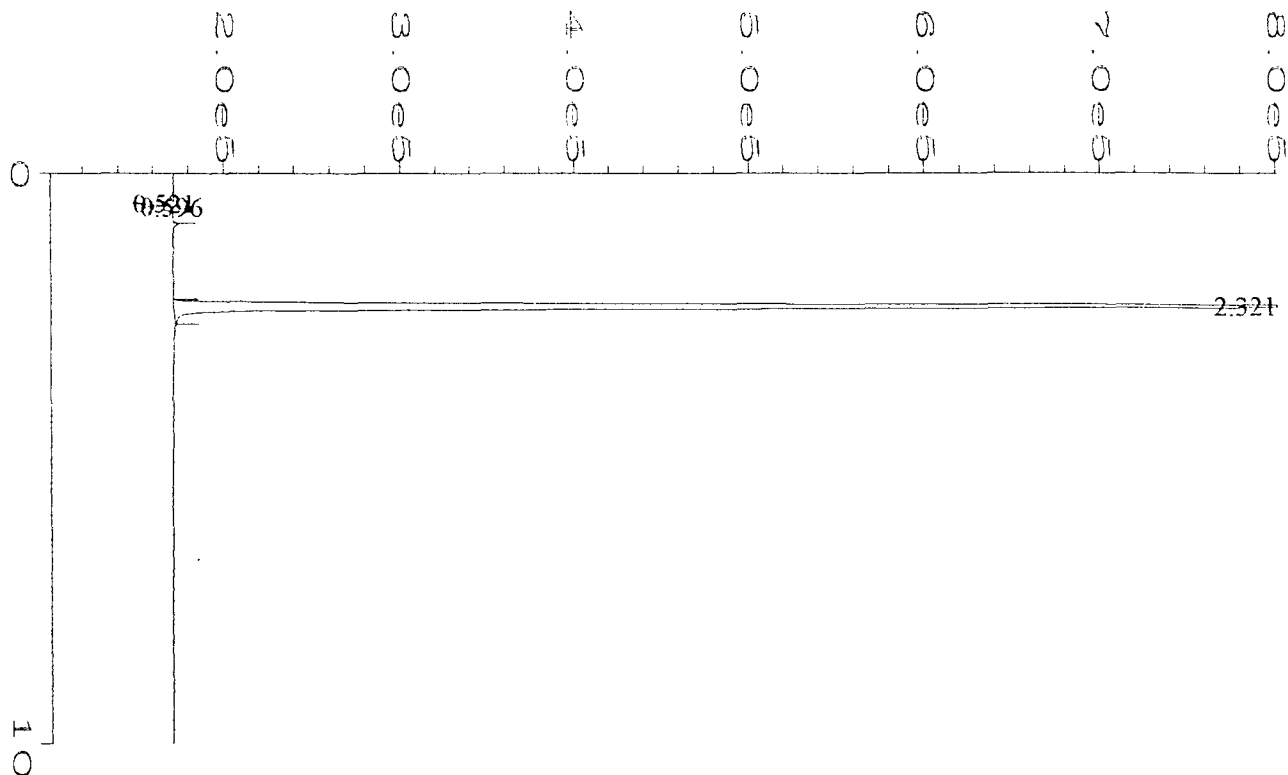
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F1016.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.742	* not found *			1		Benzene
2.320	4284736	BB	0.077	1-R	0.00123	a,a,a-TFT
3.335	* not found *			1		Toluene
6.426	* not found *			1		Ethylbenzene
6.822	* not found *			1		m & p-Xylene
8.217	* not found *			1		o-Xylene
0.522	64356	BV -	0.044		6.44E-005	* uncalibrated *
0.596	61444	PP -	0.047		6.14E-005	* uncalibrated *
0.882	12281	PB	0.058		1.23E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.334	2.320	-0.6%

Not all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F1017.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-75, PH-38
 Run Time Bar Code:
 Acquired on : 12 Dec 93 10:07 AM
 Report Created on: 21 Jan 94 06:10 PM
 Last Recalib on : 21 Jan 94 06:06 PM
 Multiplier : 1

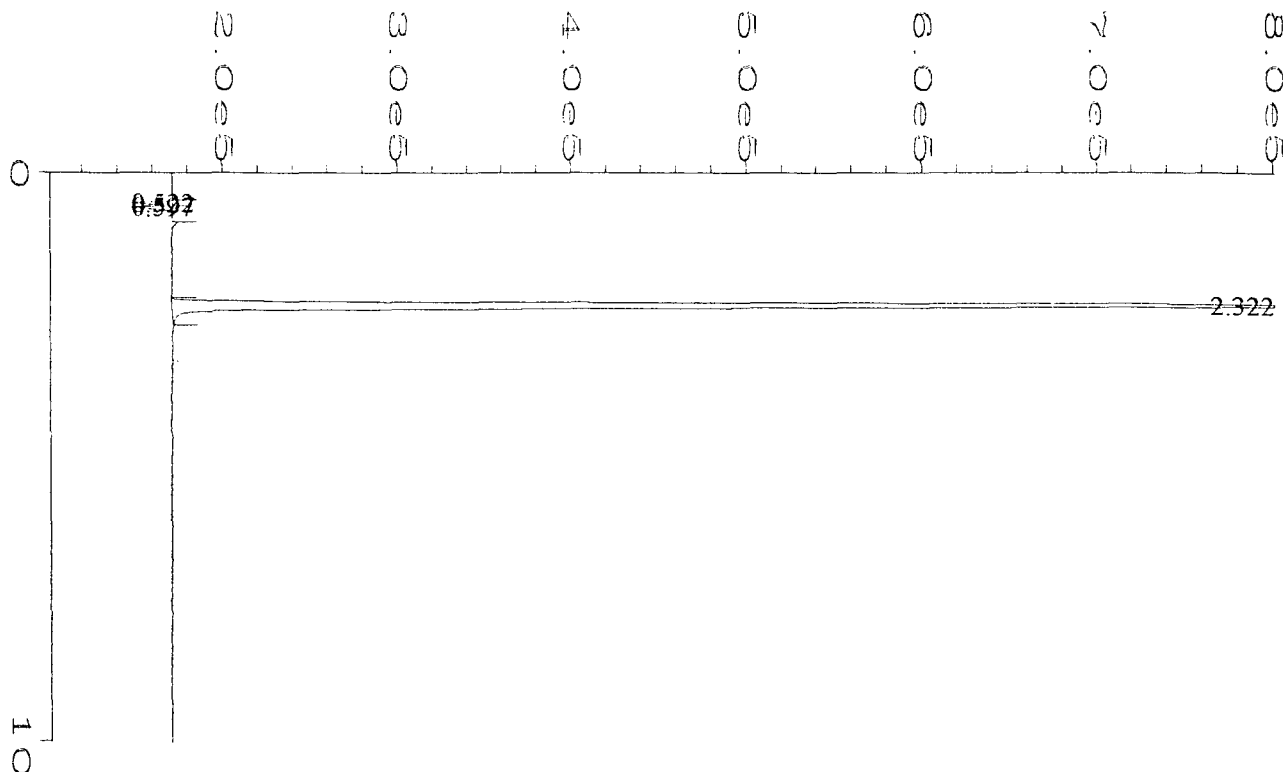
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F1017.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.742	* not found *			1		Benzene
2.321	4409209	BV	0.077	1-R	0.00127	a,a,a-TFT
3.335	* not found *			1		Toluene
6.426	* not found *			1		Ethylbenzene
6.822	* not found *			1		m & p-Xylene
8.217	* not found *			1		o-Xylene
0.521	63301	BV -	0.046		6.33E-005	* uncalibrated *
0.596	56484	PP -	0.048		5.65E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.334	2.321	-0.6%

But all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F1018.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-76, PH-38
 Run Time Bar Code:
 Acquired on : 12 Dec 93 10:24 AM
 Report Created on: 21 Jan 94 06:11 PM
 Last Recalib on : 21 Jan 94 06:06 PM
 Multiplier : 1

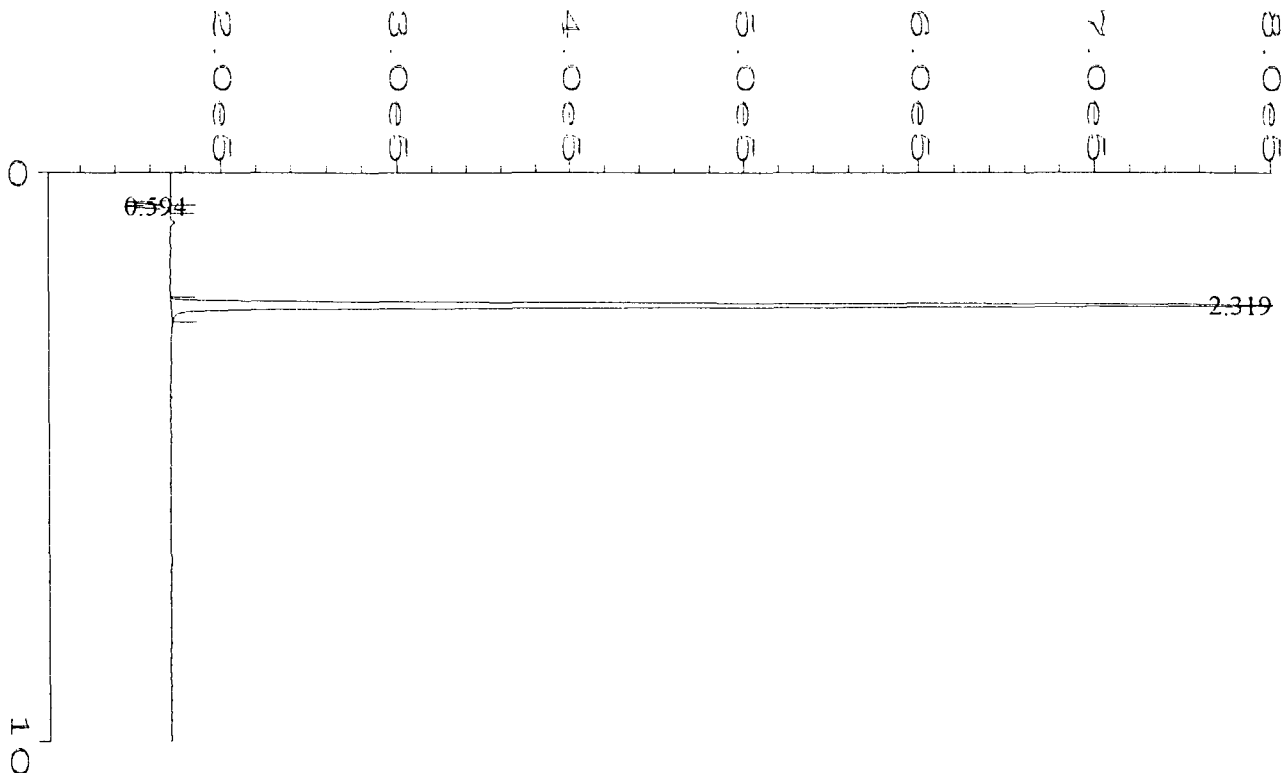
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F1018.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.742	* not found *			1		Benzene
2.322	4650888	BV	0.077	1-R	0.00133	a,a,a-TFT
3.335	* not found *			1		Toluene
6.426	* not found *			1		Ethylbenzene
6.822	* not found *			1		m & p-Xylene
8.217	* not found *			1		o-Xylene
0.522	62228	BV -	0.045		6.22E-005	* uncalibrated *
0.597	70705	PP -	0.048		7.07E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.334	2.322	-0.5%

Not all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F1019.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-77, PH-39
 Run Time Bar Code:
 Acquired on : 12 Dec 93 10:41 AM
 Report Created on: 21 Jan 94 06:12 PM
 Last Recalib on : 21 Jan 94 06:06 PM
 Multiplier : 1

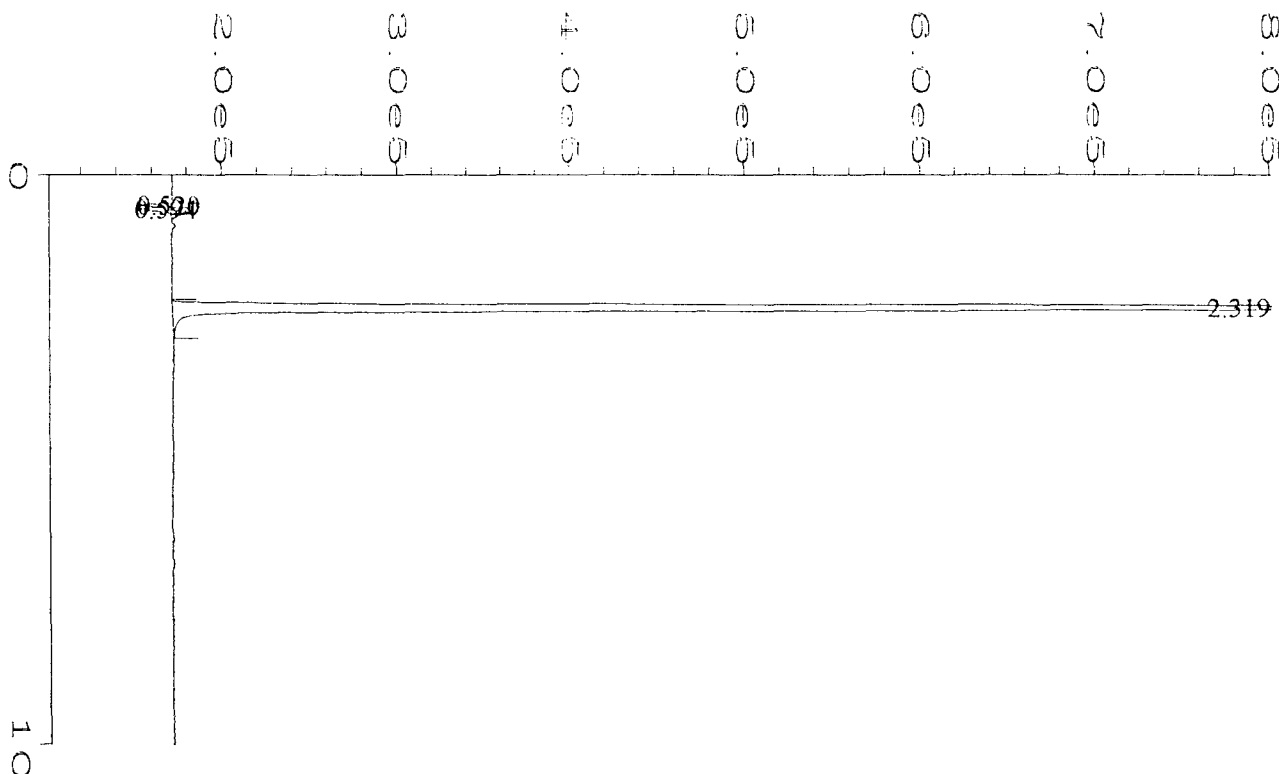
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F1019.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.742	* not found *			1		Benzene
2.319	3621320	BV	0.077	1-R	0.00104	a,a,a-TFT
3.335	* not found *			1		Toluene
6.426	* not found *			1		Ethylbenzene
6.822	* not found *			1		m & p-Xylene
8.217	* not found *			1		o-Xylene
0.594	80713	PV -	0.048		8.07E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.334	2.319	-0.6%

Not all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F1020.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-78, PH-40
 Run Time Bar Code:
 Acquired on : 12 Dec 93 11:21 AM
 Report Created on: 21 Jan 94 06:13 PM
 Last Recalib on : 21 Jan 94 06:06 PM
 Multiplier : 1

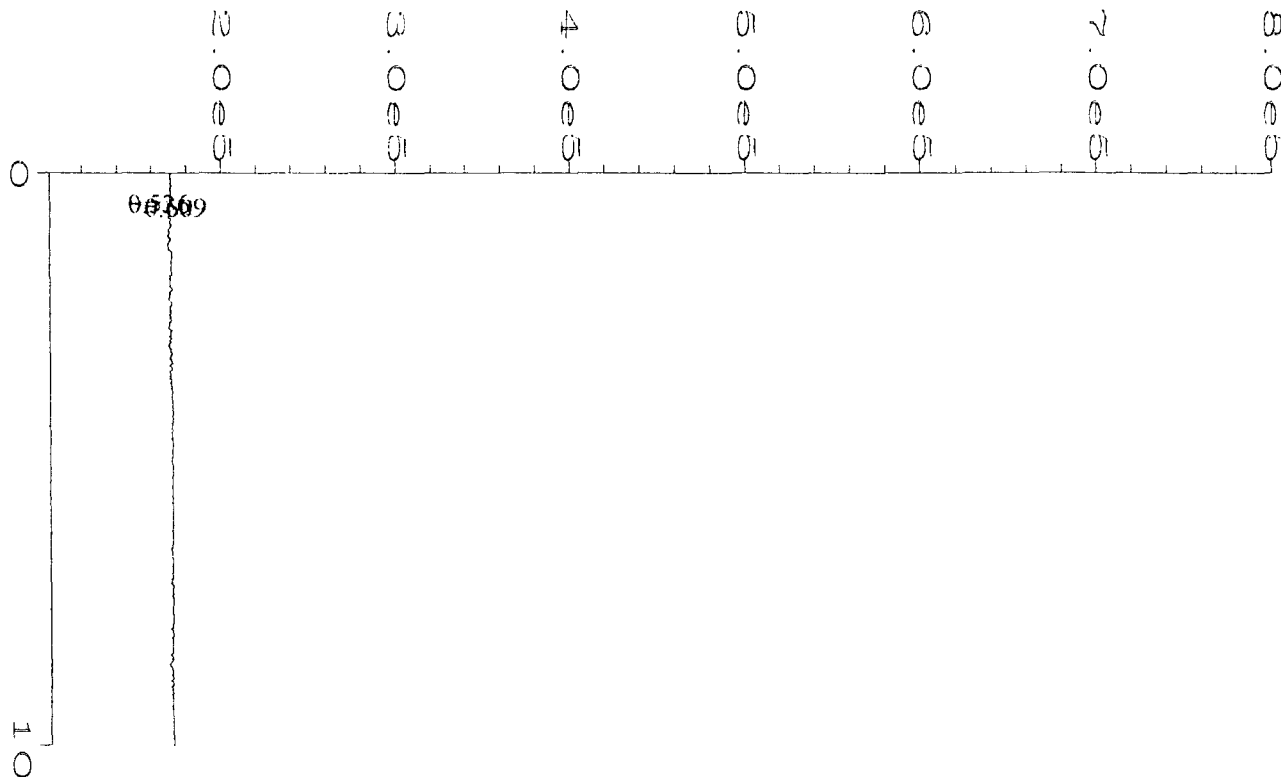
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F1020.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.742	* not found *			1		Benzene
2.319	8086311	BB	0.077	1-R	0.00232	a,a,a-TFT
3.335	* not found *			1		Toluene
6.426	* not found *			1		Ethylbenzene
6.822	* not found *			1		m & p-Xylene
8.217	* not found *			1		o-Xylene
0.520	51554	BV - 0.044			5.16E-005	* uncalibrated *
0.594	62190	PV - 0.047			6.22E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.334	2.319	-0.6%

It all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F0918.D
 Operator :
 Instrument : RECON GC
 Sample Name : BLANK-05
 Run Time Bar Code:
 Acquired on : 09 Dec 93 08:46 PM
 Report Created on: 21 Jan 94 03:21 PM
 Last Recalib on : 21 Jan 94 02:32 PM
 Multiplier : 1

Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Sig. 1 in A:\NV-F0918.D

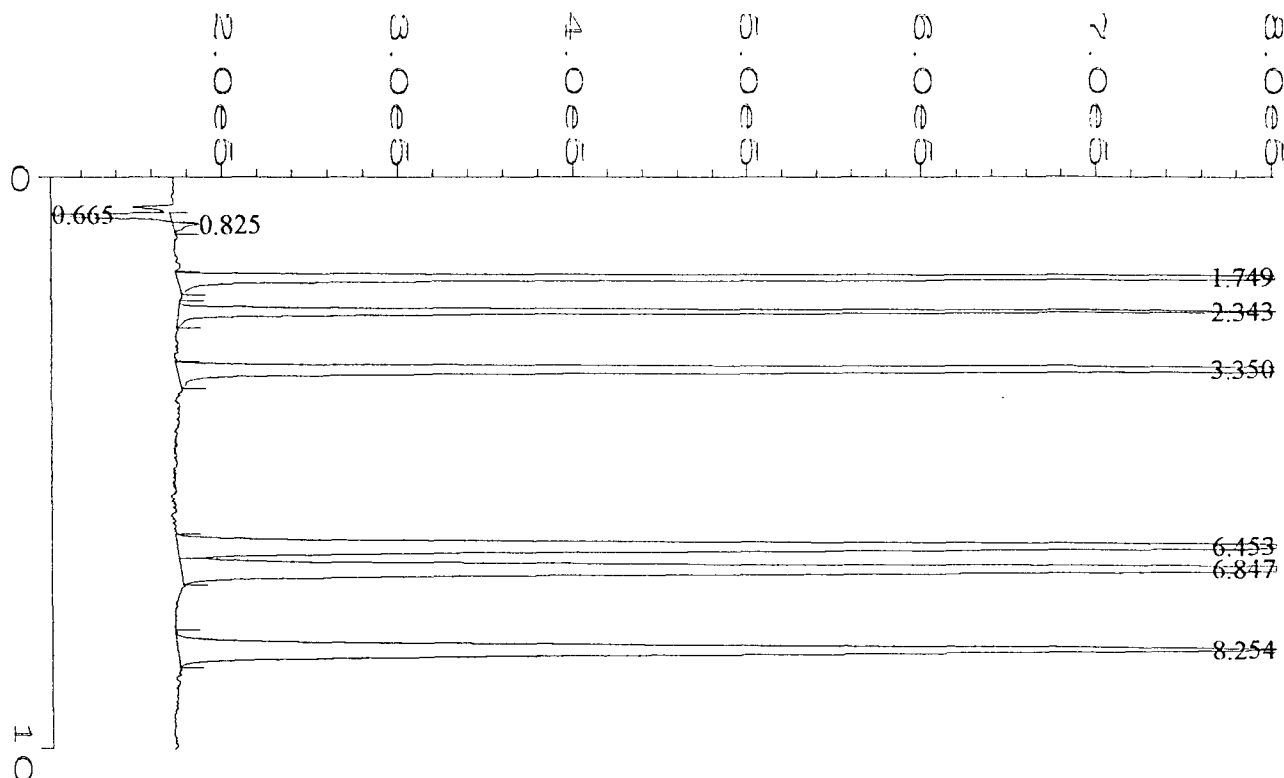
Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.764	* not found *			1		Benzene
2.365	* not found *			1-R		a,a,a-TFT
3.382	* not found *			1		Toluene
6.519	* not found *			1		Ethylbenzene
6.922	* not found *			1		m & p-Xylene
8.338	* not found *			1		o-Xylene
0.536	73995 BV - 0.051				7.40E-005	* uncalibrated *
0.609	50522 PV - 0.050				5.05E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.365	* not found *	

Could not find time reference peak:

No peak of Number 2's description at 2.365 + 0.083 - 0.083 min.

Not all time reference peaks were found



External Standard Report

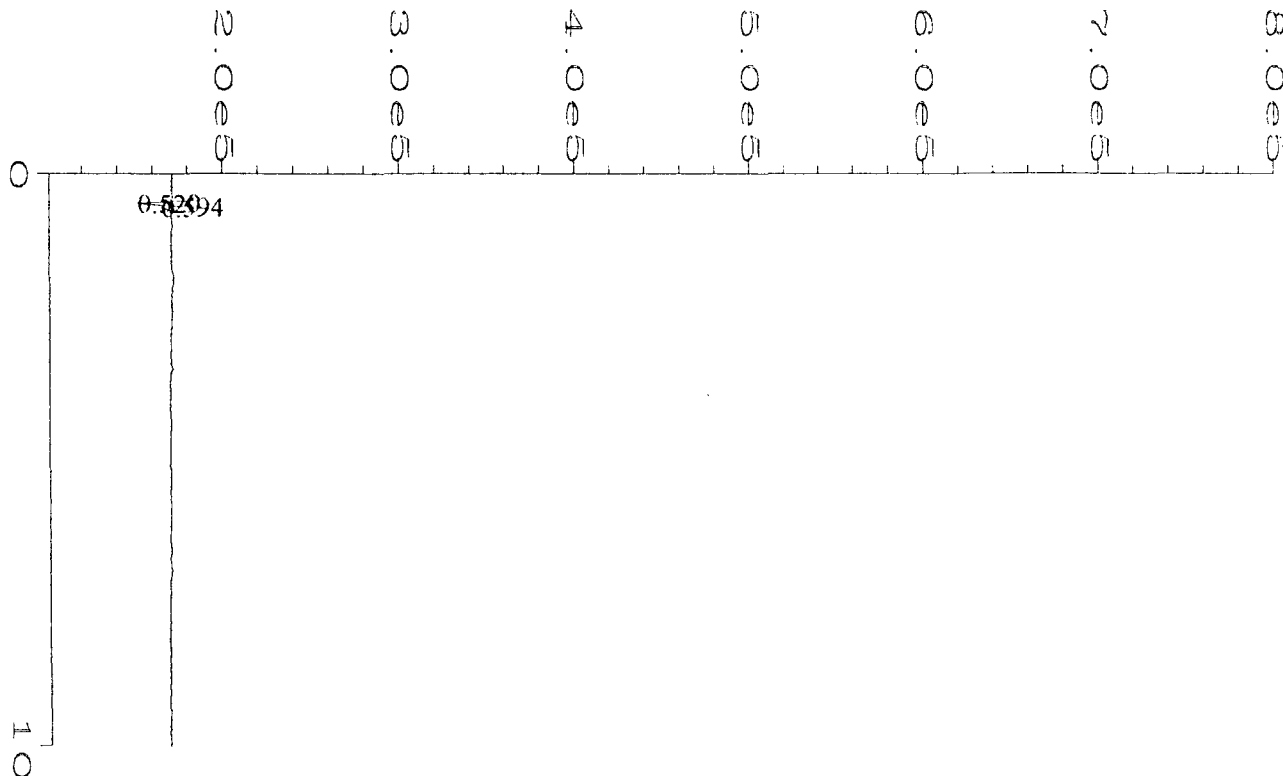
Data File Name : A:\NV-F0919.D
 Operator :
 Instrument : RECON GC
 Sample Name : STD-1209-05
 Run Time Bar Code:
 Acquired on : 09 Dec 93 09:03 PM
 Report Created on: 21 Jan 94 03:22 PM
 Last Recalib on : 21 Jan 94 02:32 PM
 Multiplier : 1

Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Sig. 1 in A:\NV-F0919.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.749	9575306	PV	0.063	1	97.501	Benzene
2.343	3441062	BV	0.076	1-R	0.000930	a,a,a-TFT
3.350	9153459	VV	0.088	1	99.658	Toluene
6.453	7862108	VV	0.113	1	99.076	Ethylbenzene
6.847	8686994	VV	0.117	1	95.678	m & p-Xylene
8.254	6998012	BV	0.157	1	95.216	o-Xylene
0.665	339690	PP -	0.082		0.000340	* uncalibrated *
0.825	71281	PV	0.066		7.13E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.365	2.343	-0.9%



External Standard Report

Data File Name : A:\NV-F0920.D
 Operator :
 Instrument : RECON GC
 Sample Name : BLANK-06
 Run Time Bar Code:
 Acquired on : 10 Dec 93 07:09 AM
 Report Created on: 21 Jan 94 03:46 PM
 Last Recalib on : 21 Jan 94 02:32 PM
 Multiplier : 1

Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Sig. 1 in A:\NV-F0920.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.764	* not found *			1		Benzene
2.365	* not found *			1-R		a,a,a-TFT
3.382	* not found *			1		Toluene
6.519	* not found *			1		Ethylbenzene
6.922	* not found *			1		m & p-Xylene
8.338	* not found *			1		o-Xylene
0.520	50617	BV - 0.045			5.06E-005	* uncalibrated *
0.594	14242	PV - 0.046			1.42E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.365	* not found *	

Could not find time reference peak:

No peak of Number 2's description at 2.365 + 0.083 - 0.083 min.

Not all time reference peaks were found



External Standard Report

Data File Name : A:\NV-F0923.D
 Operator :
 Instrument : RECON GC
 Sample Name : STD-1210
 Run Time Bar Code:
 Acquired on : 10 Dec 93 08:02 AM
 Report Created on: 21 Jan 94 03:50 PM
 Last Recalib on : 21 Jan 94 03:48 PM
 Multiplier : 1

Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Sig. 1 in A:\NV-F0923.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.754	9628104	VV	0.059	1	103.000	Benzene
2.354	3363295	VB	0.077	1-R	0.00100	a,a,a-TFT
3.370	8856909	BB	0.086	1	109.000	Toluene
6.507	7126588	BV	0.140	1	109.000	Ethylbenzene
6.909	7864069	VB	0.147	1	106.000	m & p-Xylene
8.325	6189259	BB	0.173	1	105.000	o-Xylene
0.597	6759	PV -	0.026		6.76E-006	* uncalibrated *
0.661	325372	PP -	0.071		0.000325	* uncalibrated *
0.822	69228	PV	0.058		6.92E-005	* uncalibrated *
1.218	1182	VV	0.051		1.18E-006	* uncalibrated *
1.600	18498	PV	0.096		1.85E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.354	2.354	0.0%

Calibration Report

Data File Name : A:\NV-F0923.D

Operator :

Instrument : RECON GC

Sample Name : STD-1210

Run Time Bar Code:

Acquired on : 10 Dec 93 08:02 AM

Report Created on: 21 Jan 94 03:48 PM

Last Recalib on : 21 Jan 94 02:32 PM

Multiplier : 1

Page Number : 1

Vial Number :

Injection Number :

Sequence Line :

Instrument Method: BLOOMREF.MTH

Analysis Method : BLOOMREF.MTH

Sample Amount : 0

ISTD Amount :

Calibration Table

Pk#	RT	Lvl	ug/L	Amt/Area	Ref	Istd	I#	Name
1	1.754	1	103.0	1.0698e-005			1	Benzene
2	2.354	1	0.001	2.9733e-010	Ref		1	a,a,a-TFT
3	3.370	1	109.0	1.2307e-005			1	Toluene
4	6.507	1	109.0	1.5295e-005			1	Ethylbenzene
5	6.909	1	106.0	1.3479e-005			1	m & p-Xylene
6	8.325	1	105.0	1.6965e-005			1	o-Xylene

Calibration Settings

Title:

CALIBRATION STD

Reference window:

7.000 %

Non-reference window:

7.000 %

Units of amount:

ug/L

Multiplier:

1.0

RF uncal peaks:

1.0e-009

Sample Amount:

0.0

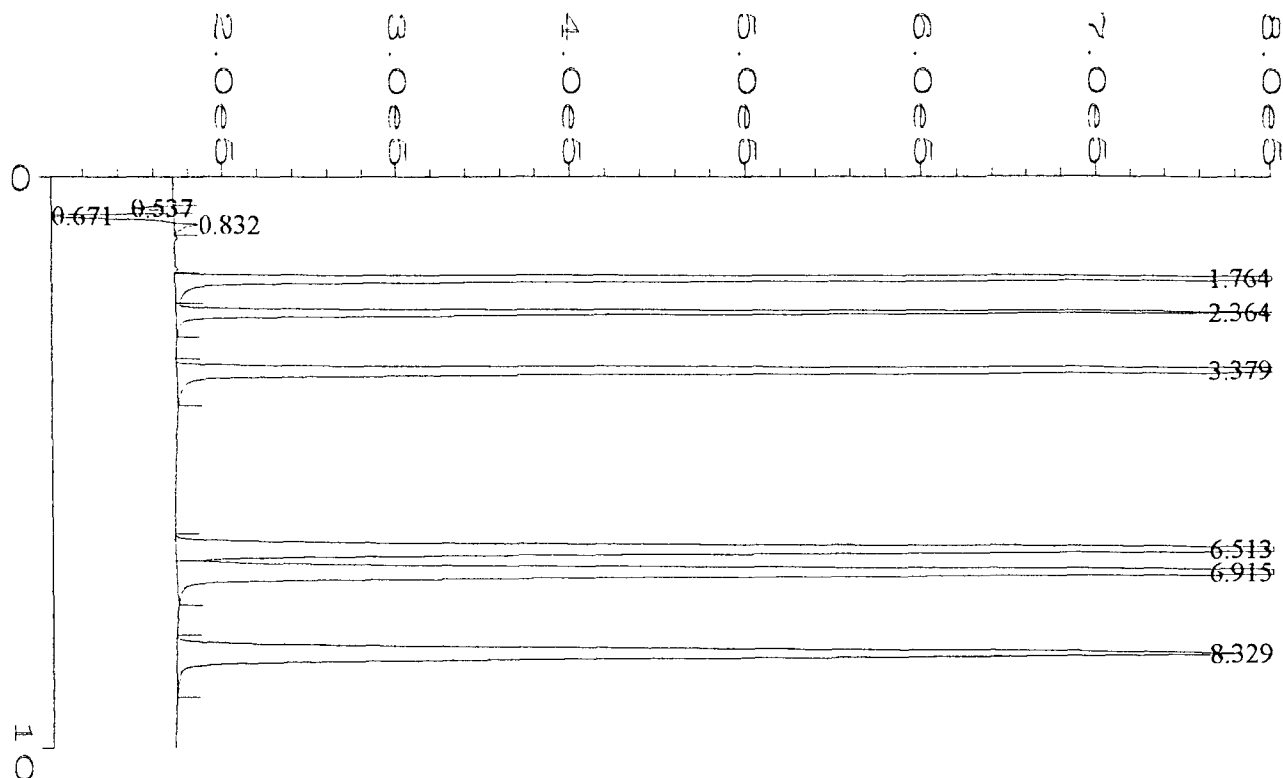
Sample ISTD Information

No Sample ISTD Amounts

Multilevel Information

Fit: Linear

Origin: Force



External Standard Report

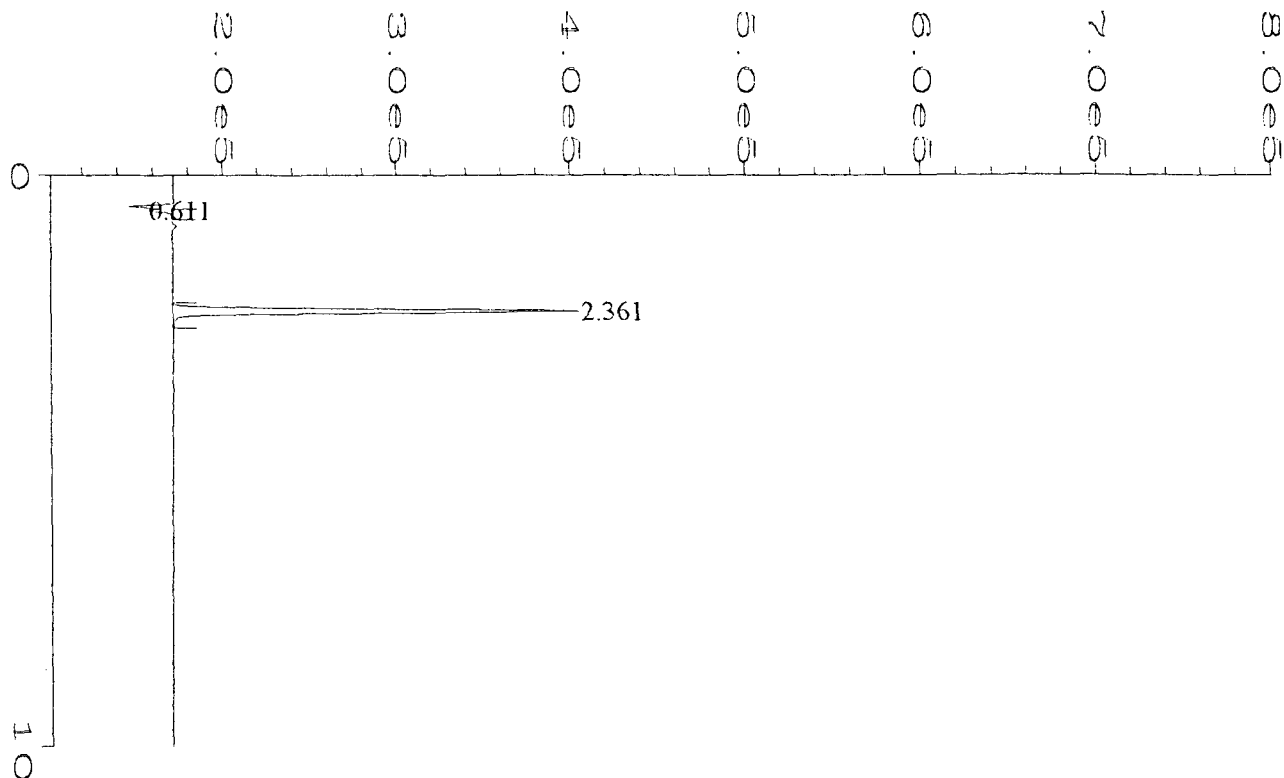
Data File Name : A:\NV-F0924.D
 Operator :
 Instrument : RECON GC
 Sample Name : STD-1210-02
 Run Time Bar Code:
 Acquired on : 10 Dec 93 08:17 AM
 Report Created on: 21 Jan 94 03:52 PM
 Last Recalib on : 21 Jan 94 03:48 PM
 Multiplier : 1

Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Sig. 1 in A:\NV-F0924.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.764	9358181	PV	0.063	1	100.112	Benzene
2.364	3441783	VB	0.080	1-R	0.00102	a,a,a-TFT
3.379	9054964	BB	0.089	1	111.437	Toluene
6.513	7687099	BV	0.142	1	117.573	Ethylbenzene
6.915	8500646	VB	0.149	1	114.580	m & p-Xylene
8.329	6781629	BB	0.173	1	115.049	o-Xylene
0.537	85250	BV -	0.056		8.52E-005	* uncalibrated *
0.671	365035	PP -	0.080		0.000365	* uncalibrated *
0.832	60553	PV	0.062		6.06E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.354	2.364	0.4%



External Standard Report

Data File Name : A:\NV-F0925.D
 Operator :
 Instrument : RECON GC
 Sample Name : BLANK-07
 Run Time Bar Code:
 Acquired on : 10 Dec 93 08:42 AM
 Report Created on: 21 Jan 94 03:53 PM
 Last Recalib on : 21 Jan 94 03:48 PM
 Multiplier : 1

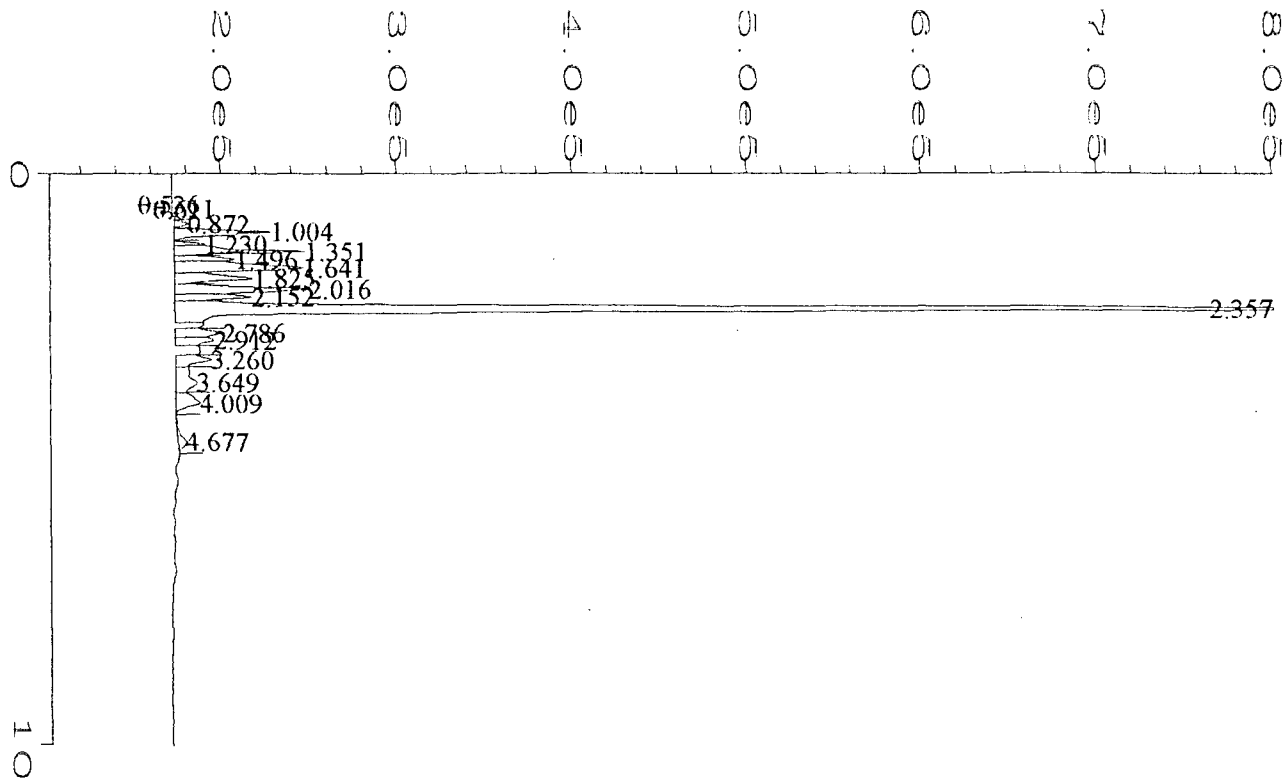
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Sig. 1 in A:\NV-F0925.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.754	* not found *			1		Benzene
2.361	1198128	BB	0.079	1-R	0.000356	a,a,a-TFT
3.370	* not found *			1		Toluene
6.507	* not found *			1		Ethylbenzene
6.909	* not found *			1		m & p-Xylene
8.325	* not found *			1		o-Xylene
0.611	44916	PV	0.051		4.49E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.354	2.361	0.3%

Not all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F0926.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-29, PH-15
 Run Time Bar Code:
 Acquired on : 10 Dec 93 08:56 AM
 Report Created on: 21 Jan 94 03:58 PM
 Last Recalib on : 21 Jan 94 03:48 PM
 Multiplier : 1

Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Sig. 1 in A:\NV-F0926.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.754	* not found *			1		Benzene
2.357	5068011	VV	0.086	1-R	0.00151	a,a,a-TFT
3.260	166535	VV	0.118	1	2.050	Toluene
6.507	* not found *			1		Ethylbenzene
6.909	* not found *			1		m & p-Xylene
8.325	* not found *			1		o-Xylene
0.536	54549	BV -	0.046		5.45E-005	* uncalibrated *
0.611	30060	PP -	0.047		3.01E-005	* uncalibrated *
0.872	37329	BV	0.070		3.73E-005	* uncalibrated *
1.004	309405	VV	0.078		0.000309	* uncalibrated *
1.230	52040	VV	0.047		5.20E-005	* uncalibrated *
1.351	404165	VV	0.078		0.000404	* uncalibrated *
1.496	167157	VV	0.072		0.000167	* uncalibrated *
1.641	590792	VV	0.123		0.000591	* uncalibrated *
1.825	312275	VV	0.102		0.000312	* uncalibrated *
2.016	485818	VV	0.098		0.000486	* uncalibrated *
2.152	231155	VV	0.078		0.000231	* uncalibrated *

Data File Name : A:\NV-F0926.D

Operator :

Instrument : RECON GC

Sample Name : SG-29, PH-15

Run Time Bar Code:

Acquired on : 10 Dec 93 08:56 AM

Report Created on: 21 Jan 94 03:58 PM

Last Recalib on : 21 Jan 94 03:48 PM

Multiplier : 1

Page Number : 2

Vial Number :

Injection Number :

Sequence Line :

Instrument Method: BLOOMREF.MTH

Analysis Method : BLOOMREF.MTH

Sample Amount : 0

ISTD Amount :

2.786	199772 VV	0.105	0.000200	* uncalibrated *
2.912	163988 VV	0.107	0.000164	* uncalibrated *
3.649	227833 VV	0.243	0.000228	* uncalibrated *
4.009	171405 VV	0.169	0.000171	* uncalibrated *
4.677	66505 PV	0.178	6.65E-005	* uncalibrated *

Time Reference Peak

2

Expected RT

2.354

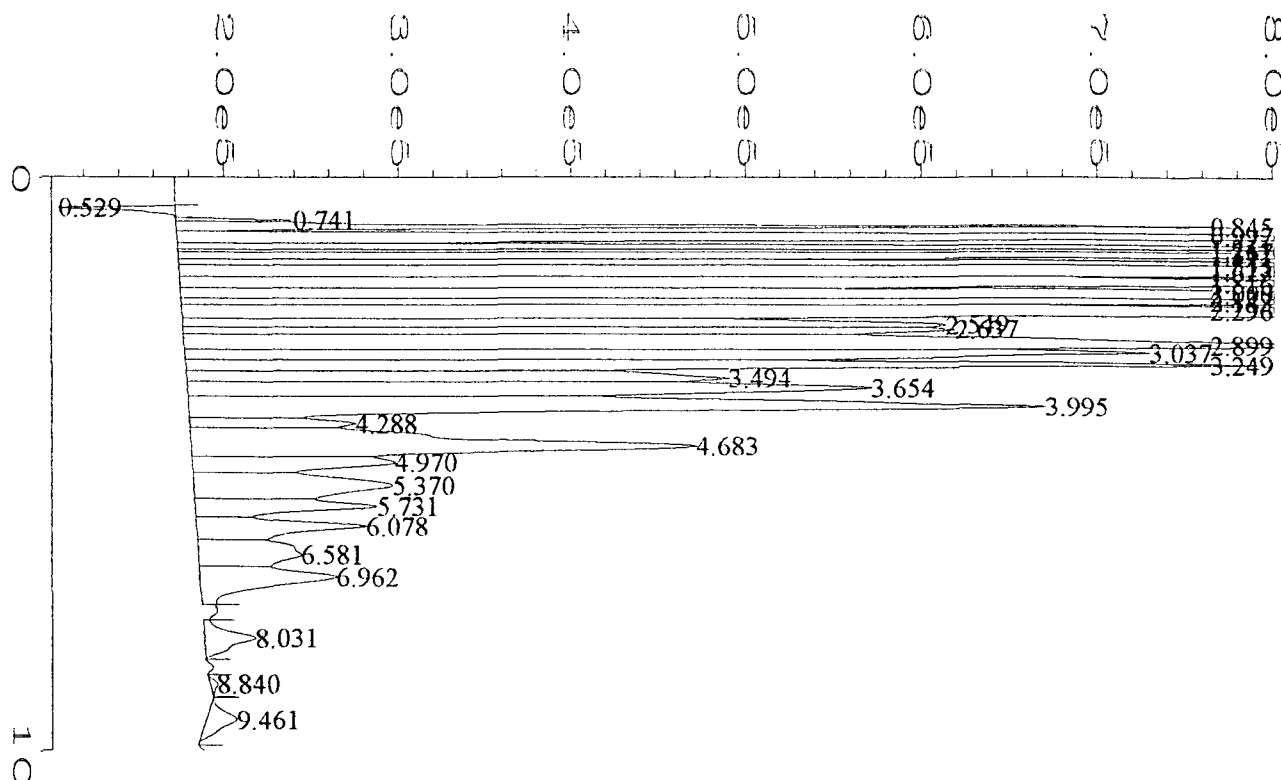
Actual RT

2.357

Difference

0.1%

Not all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F0927.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-30, PH-15
 Run Time Bar Code:
 Acquired on : 10 Dec 93 09:20 AM
 Report Created on: 21 Jan 94 03:59 PM
 Last Recalib on : 21 Jan 94 03:48 PM
 Multiplier : 1

Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Sig. 1 in A:\NV-F0927.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.754	* not found *			1		Benzene
2.296	1.92398E+007	VV	0.128	1-R	0.00572	a,a,a-TFT
3.249	4928967	VV	0.118	1	60.660	Toluene
6.507	* not found *			1		Ethylbenzene
6.581	1431594	VV	0.321	1	19.296	m & p-Xylene
8.031	545287	VV	0.264	1	9.251	o-Xylene
0.529	279710	BP	0.070		0.000280	* uncalibrated *
0.741	164714	PV	0.039		0.000165	* uncalibrated *
0.845	2253204	VV	0.055		0.00225	* uncalibrated *
0.997	8468489	VV	0.078		0.00847	* uncalibrated *
1.211	6362573	VV	0.061		0.00636	* uncalibrated *
1.267	3548640	VV	0.041		0.00355	* uncalibrated *
1.341	8810731	VV	0.063		0.00881	* uncalibrated *
1.513	5708525	VV	0.080		0.00571	* uncalibrated *
1.623	1.75221E+007	VV	0.133		0.0175	* uncalibrated *
1.816	8873270	VV	0.107		0.00887	* uncalibrated *
2.000	1.7013E+007	VV	0.096		0.0170	* uncalibrated *

Data File Name : A:\NV-F0927.D
Operator :
Instrument : RECON GC
Sample Name : SG-30, PH-15
Run Time Bar Code:
Acquired on : 10 Dec 93 09:20 AM
Report Created on: 21 Jan 94 03:59 PM
Last Recalib on : 21 Jan 94 03:48 PM
Multiplier : 1

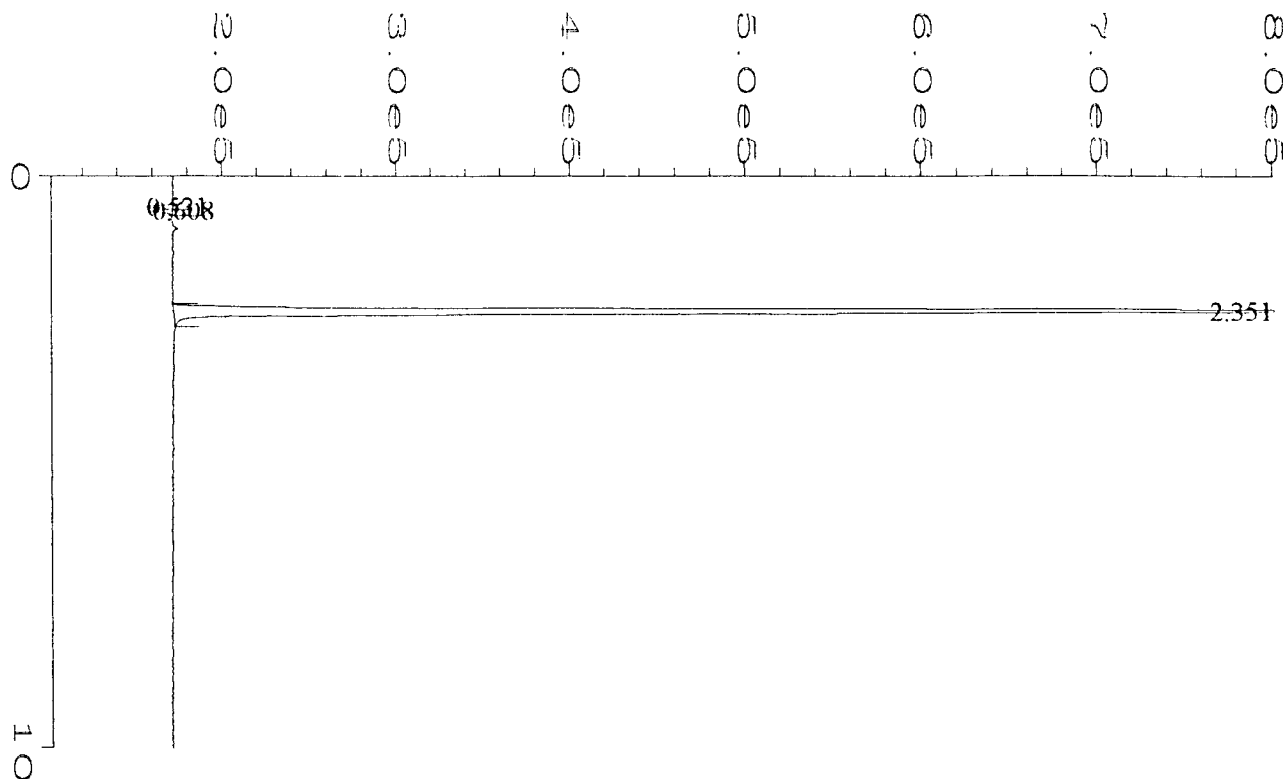
Page Number : 2
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: BLOOMREF.MTH
Analysis Method : BLOOMREF.MTH
Sample Amount : 0
ISTD Amount :

2.143	6332201 VV	0.077	0.00633	* uncalibrated *
2.549	3574995 VV	0.123	0.00357	* uncalibrated *
2.637	2992089 VV	0.096	0.00299	* uncalibrated *
2.899	9228049 VV	0.161	0.00923	* uncalibrated *
3.037	5255415 VV	0.129	0.00526	* uncalibrated *
3.494	3371909 VV	0.145	0.00337	* uncalibrated *
3.654	5057859 VV	0.198	0.00506	* uncalibrated *
3.995	6800133 VV	0.189	0.00680	* uncalibrated *
4.288	852858 VV	0.133	0.000853	* uncalibrated *
4.683	5433875 VV	0.271	0.00543	* uncalibrated *
4.970	1587175 VV	0.204	0.00159	* uncalibrated *
5.370	2454788 VV	0.319	0.00245	* uncalibrated *
5.731	1331695 VV	0.185	0.00133	* uncalibrated *
6.078	1459451 VV	0.213	0.00146	* uncalibrated *
6.962	1568327 VV	0.288	0.00157	* uncalibrated *
8.840	43603 PB	0.160	4.36E-005	* uncalibrated *
9.461	368972 BV	0.297	0.000369	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.354	2.296	-2.5%

Not all calibrated peaks were found

=====



External Standard Report

Data File Name : A:\NV-F0928.D

Operator :

Instrument : RECON GC

Sample Name : SG-31, PH-16

Run Time Bar Code:

Acquired on : 10 Dec 93 09:52 AM

Report Created on: 21 Jan 94 04:00 PM

Last Recalib on : 21 Jan 94 03:48 PM

Multiplier : 1

Page Number : 1

Vial Number :

Injection Number :

Sequence Line :

Instrument Method: BLOOMREF.MTH

Analysis Method : BLOOMREF.MTH

Sample Amount : 0

ISTD Amount :

Sig. 1 in A:\NV-F0928.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.754	* not found *			1		Benzene
2.351	4133581	PV	0.078	1-R	0.00123	a,a,a-TFT
3.370	* not found *			1		Toluene
6.507	* not found *			1		Ethylbenzene
6.909	* not found *			1		m & p-Xylene
8.325	* not found *			1		o-Xylene
0.531	41069	BV -	0.046		4.11E-005	* uncalibrated *
0.608	34455	PV -	0.046		3.45E-005	* uncalibrated *

Time Reference Peak

2

Expected RT

2.354

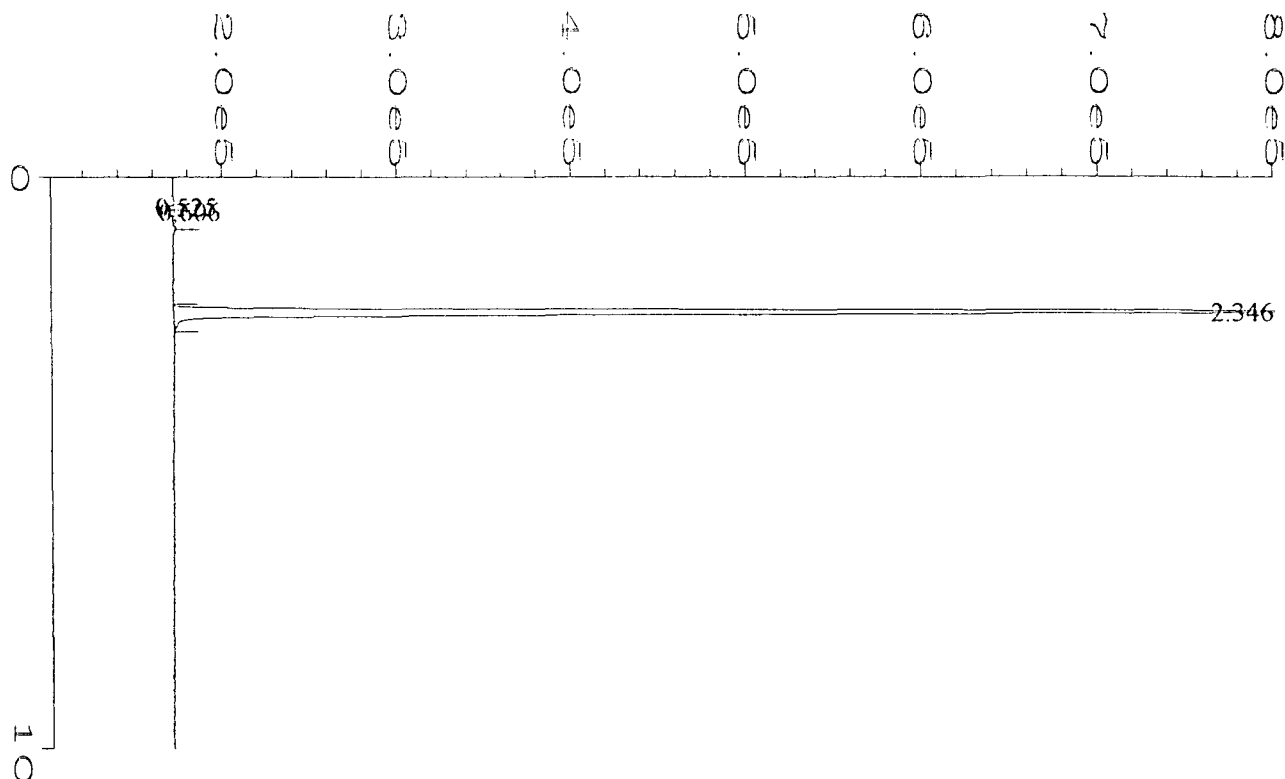
Actual RT

2.351

Difference

-0.1%

Not all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F0929.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-32, PH-16
 Run Time Bar Code:
 Acquired on : 10 Dec 93 10:06 AM
 Report Created on: 21 Jan 94 04:01 PM
 Last Recalib on : 21 Jan 94 03:48 PM
 Multiplier : 1

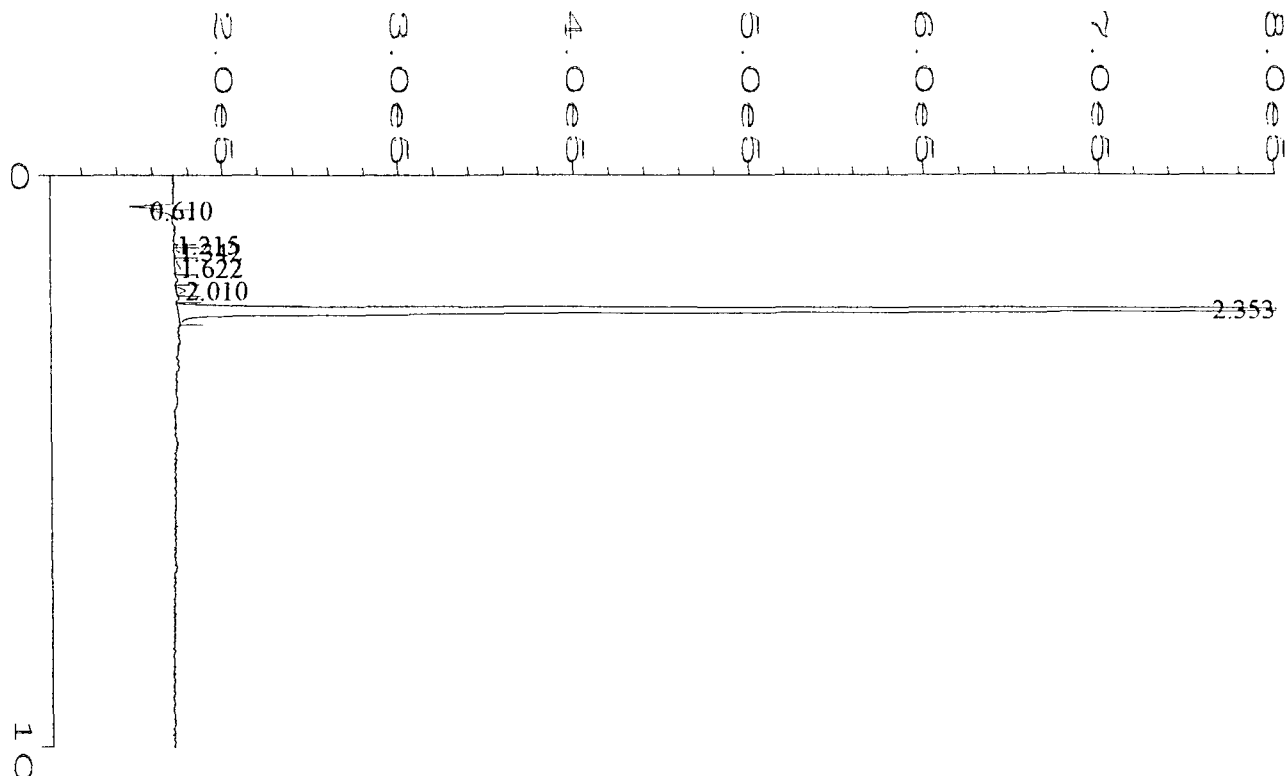
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Sig. 1 in A:\NV-F0929.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.754	* not found *			1		Benzene
2.346	4019892	PV	0.078	1-R	0.00120	a,a,a-TFT
3.370	* not found *			1		Toluene
6.507	* not found *			1		Ethylbenzene
6.909	* not found *			1		m & p-Xylene
8.325	* not found *			1		o-Xylene
0.525	25883	BV -	0.041		2.59E-005	* uncalibrated *
0.606	40622	PV -	0.065		4.06E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.354	2.346	-0.3%

Not all calibrated peaks were found



External Standard Report

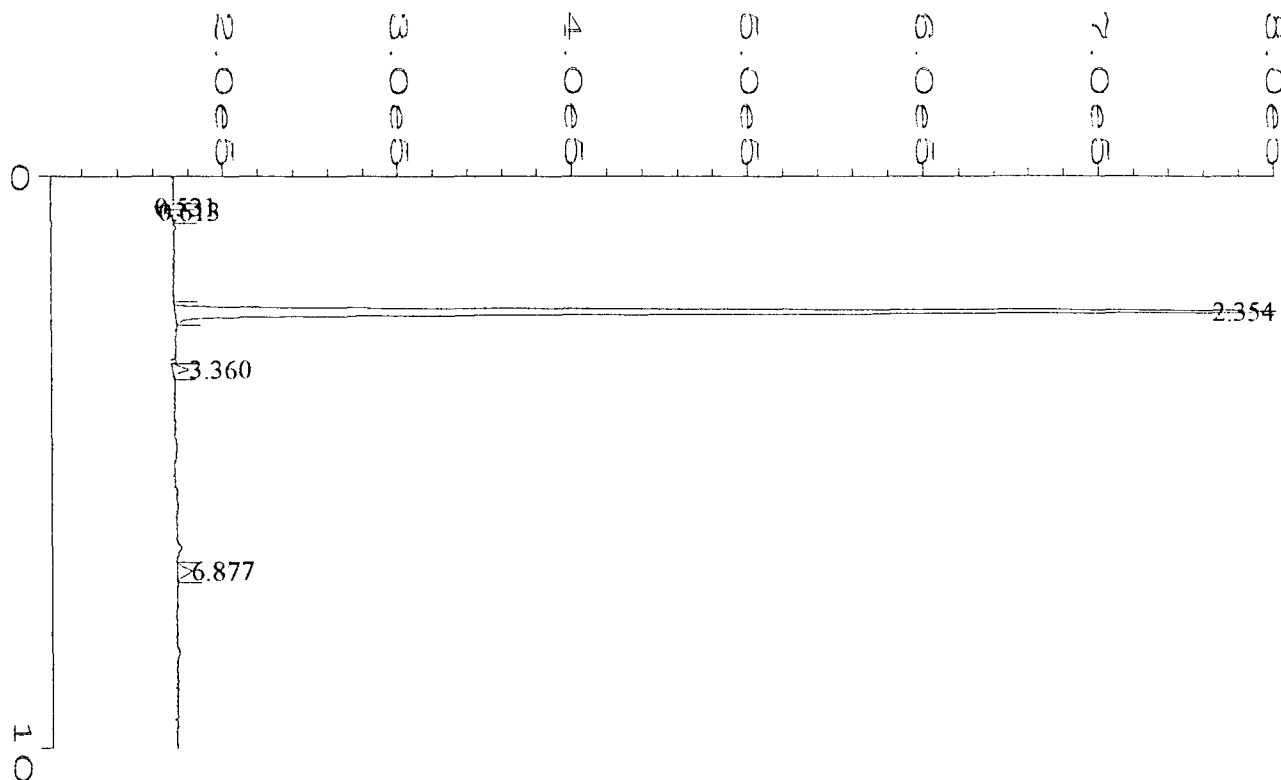
Data File Name : A:\NV-F0930.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-33, PH-17
 Run Time Bar Code:
 Acquired on : 10 Dec 93 10:21 AM
 Report Created on: 21 Jan 94 04:02 PM
 Last Recalib on : 21 Jan 94 03:48 PM
 Multiplier : 1

Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Sig. 1 in A:\NV-F0930.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.754	* not found *			1		Benzene
2.353	5046585	BV	0.079	1-R	0.00150	a,a,a-TFT
3.370	* not found *			1		Toluene
6.507	* not found *			1		Ethylbenzene
6.909	* not found *			1		m & p-Xylene
8.325	* not found *			1		o-Xylene
0.610	43678	PV -	0.057		4.37E-005	* uncalibrated *
1.215	5002	PV	0.041		5.00E-006	* uncalibrated *
1.342	16096	VV	0.066		1.61E-005	* uncalibrated *
1.622	30366	PV	0.121		3.04E-005	* uncalibrated *
2.010	28183	BV	0.063		2.82E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.354	2.353	0.0%



External Standard Report

Data File Name : A:\NV-F0931.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-34, PH-17
 Run Time Bar Code:
 Acquired on : 10 Dec 93 10:35 AM
 Report Created on: 21 Jan 94 04:06 PM
 Last Recalib on : 21 Jan 94 03:48 PM
 Multiplier : 1

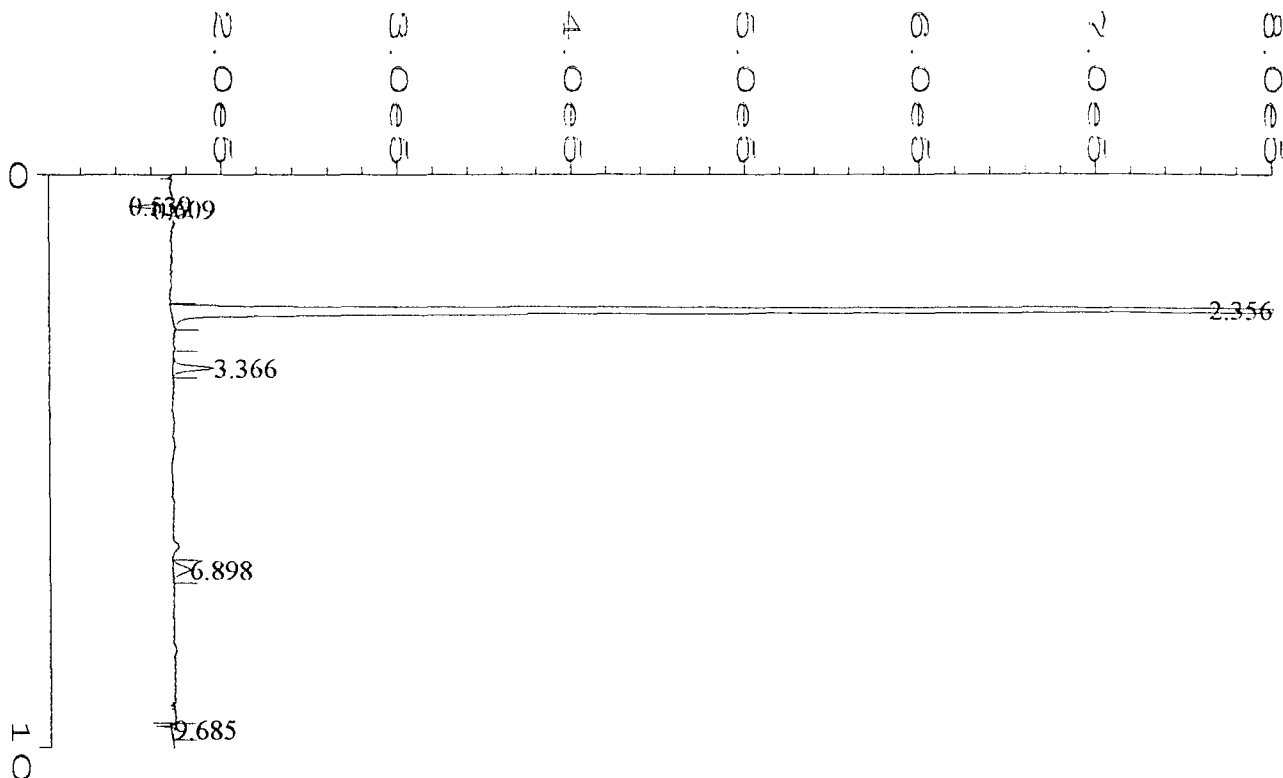
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Sig. 1 in A:\NV-F0931.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.754	* not found *			1		Benzene
2.354	3849216	BV	0.078	1-R	0.00114	a,a,a-TFT
3.360	63023	PV	0.091	1	0.776	Toluene
6.507	* not found *			1		Ethylbenzene
6.877	76849	BV	0.116	1	1.036	m & p-Xylene
8.325	* not found *			1		o-Xylene
0.531	27259	BV -	0.042		2.73E-005	* uncalibrated *
0.613	29836	PV -	0.052		2.98E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.354	2.354	0.0%

Not all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F0932.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-35, PH-18
 Run Time Bar Code:
 Acquired on : 10 Dec 93 10:52 AM
 Report Created on: 21 Jan 94 04:07 PM
 Last Recalib on : 21 Jan 94 03:48 PM
 Multiplier : 1

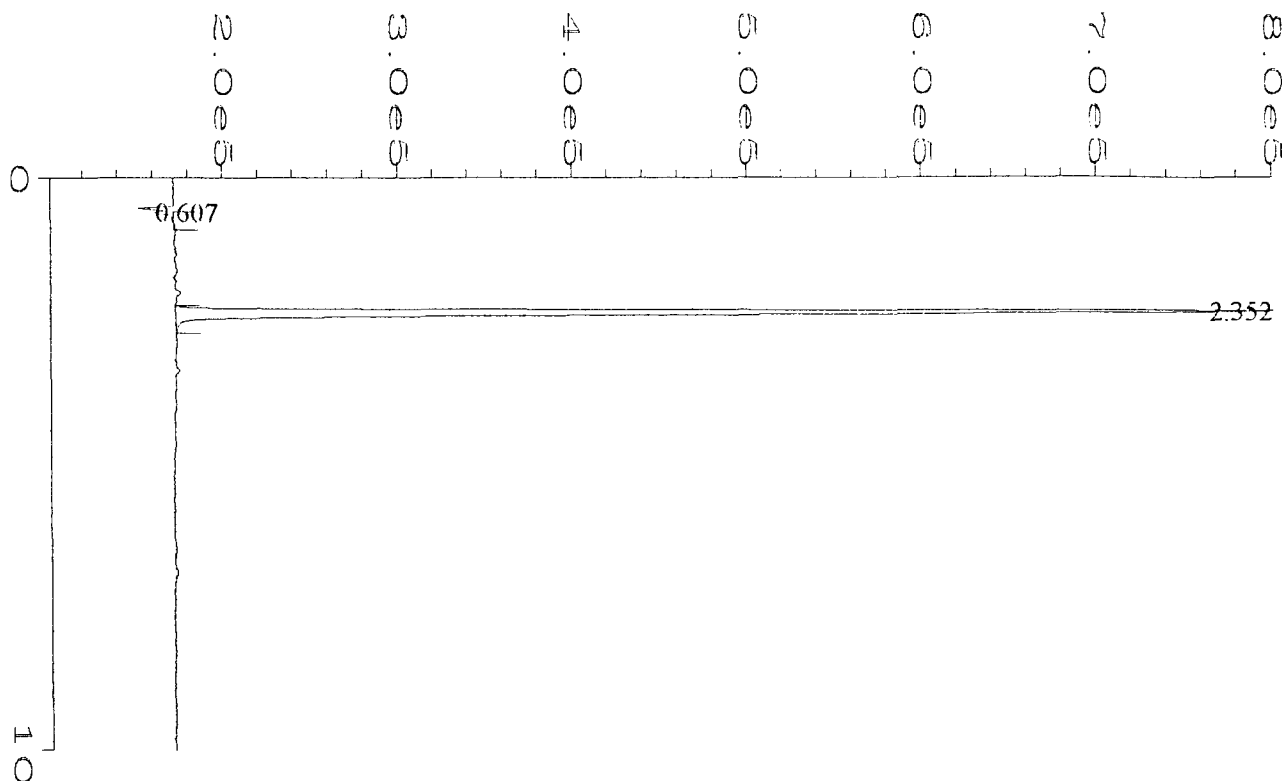
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Sig. 1 in A:\NV-F0932.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.754	* not found *			1		Benzene
2.356	6563054	BV	0.080	1-R	0.00195	a,a,a-TFT
3.366	139328	PV	0.091	1	1.715	Toluene
6.507	* not found *			1		Ethylbenzene
6.898	91806	BV	0.115	1	1.237	m & p-Xylene
8.325	* not found *			1		o-Xylene
0.539	76858	BV -	0.053		7.69E-005	* uncalibrated *
0.609	35777	PV -	0.051		3.58E-005	* uncalibrated *
9.685	5908	BV	0.087		5.91E-006	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.354	2.356	0.1%

Not all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F0933.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-36, PH-18
 Run Time Bar Code:
 Acquired on : 10 Dec 93 11:08 AM
 Report Created on: 21 Jan 94 04:32 PM
 Last Recalib on : 21 Jan 94 03:48 PM
 Multiplier : 1

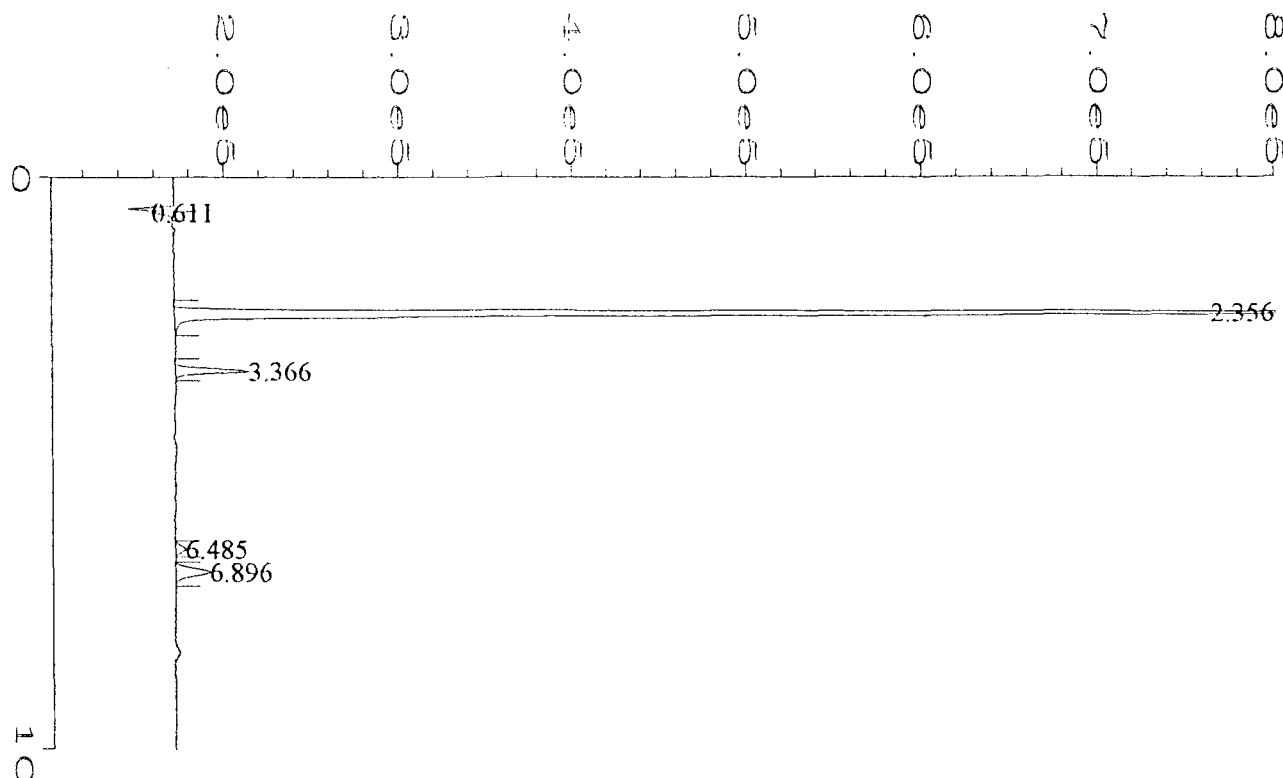
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MT
 Analysis Method : BLOOMREF.MT
 Sample Amount : 0
 ISTD Amount :

Sig. 1 in A:\NV-F0933.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.754	* not found *			1		Benzene
2.352	3399044	BB	0.079	1-R	0.00101	a,a,a-TFT
3.370	* not found *			1		Toluene
6.507	* not found *			1		Ethylbenzene
6.909	* not found *			1		m & p-Xylene
8.325	* not found *			1		o-Xylene
0.607	27598	PP	0.045		2.76E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.354	2.352	-0.1%

Not all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F0934.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-37, PH-19
 Run Time Bar Code:
 Acquired on : 10 Dec 93 11:24 AM
 Report Created on: 21 Jan 94 04:33 PM
 Last Recalib on : 21 Jan 94 03:48 PM
 Multiplier : 1

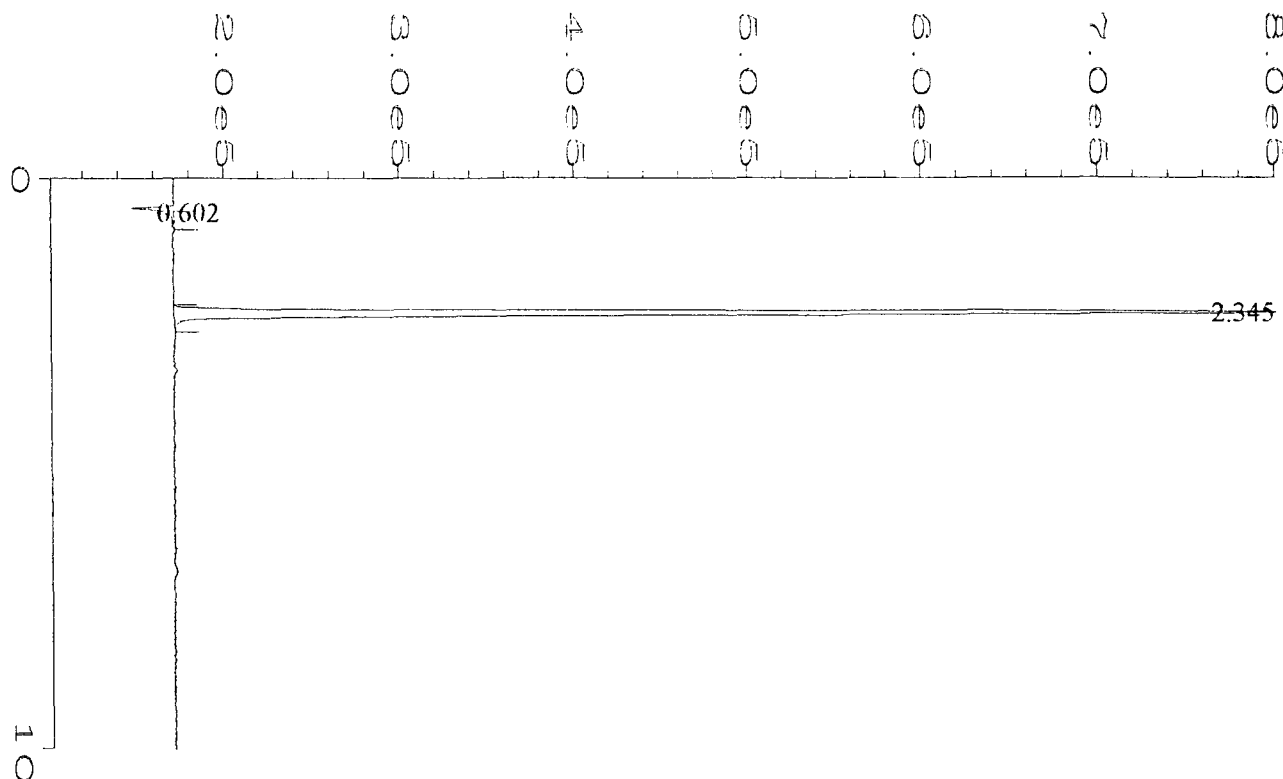
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Sig. 1 in A:\NV-F0934.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.754	* not found *			1		Benzene
2.356	4410615	BB	0.080	1-R	0.00131	a,a,a-TFT
3.366	243454	BV	0.089	1	2.996	Toluene
6.485	47035	BV	0.106	1	0.719	Ethylbenzene
6.896	181165	BV	0.115	1	2.442	m & p-Xylene
8.325	* not found *			1		o-Xylene
0.611	40628	PV -	0.056		4.06E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.354	2.356	0.1%

Not all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F0935.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-38, PH-19
 Run Time Bar Code:
 Acquired on : 10 Dec 93 11:38 AM
 Report Created on: 21 Jan 94 04:34 PM
 Last Recalib on : 21 Jan 94 03:48 PM
 Multiplier : 1

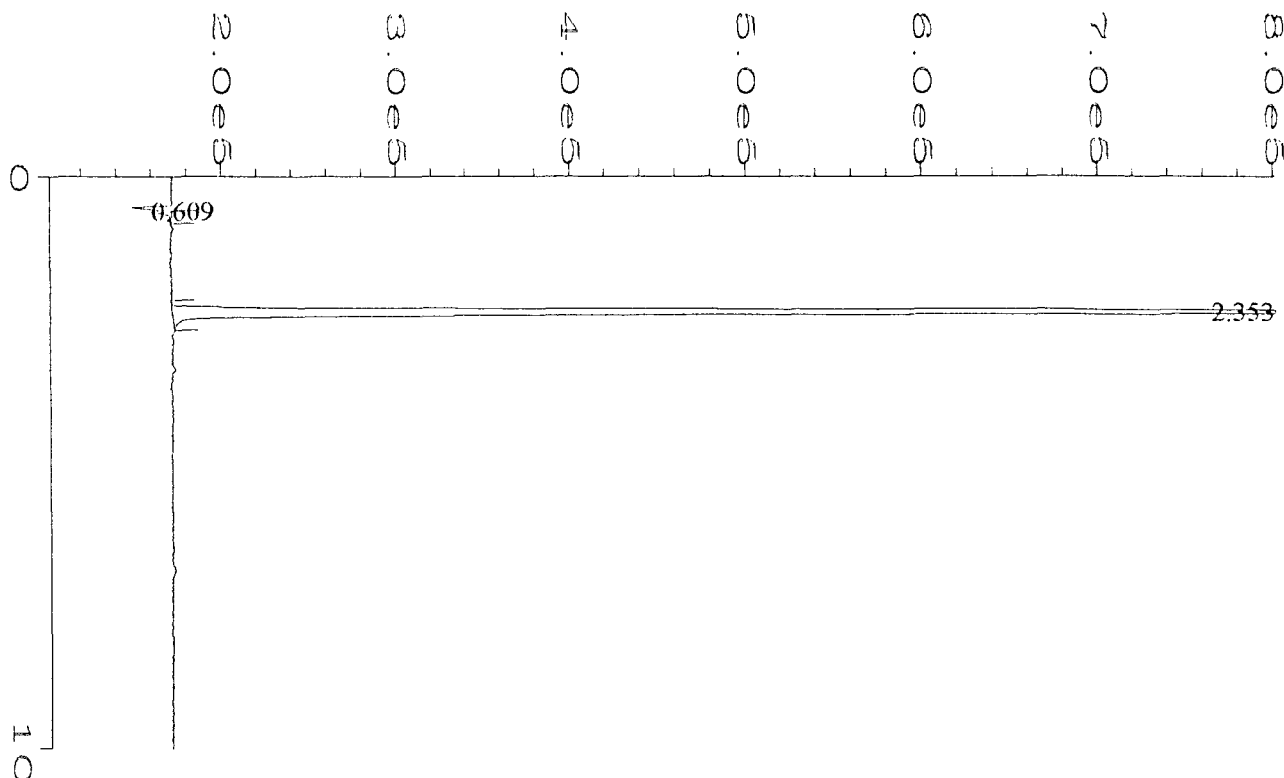
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Sig. 1 in A:\NV-F0935.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.754	* not found *			1		Benzene
2.345	3671045	BB	0.076	1-R	0.00109	a,a,a-TFT
3.370	* not found *			1		Toluene
6.507	* not found *			1		Ethylbenzene
6.909	* not found *			1		m & p-Xylene
8.325	* not found *			1		o-Xylene
0.602	39166	PV -	0.072		3.92E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.354	2.345	-0.4%

Not all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F0936.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-38(D), PH-19
 Run Time Bar Code:
 Acquired on : 10 Dec 93 11:53 AM
 Report Created on: 21 Jan 94 04:35 PM
 Last Recalib on : 21 Jan 94 03:48 PM
 Multiplier : 1

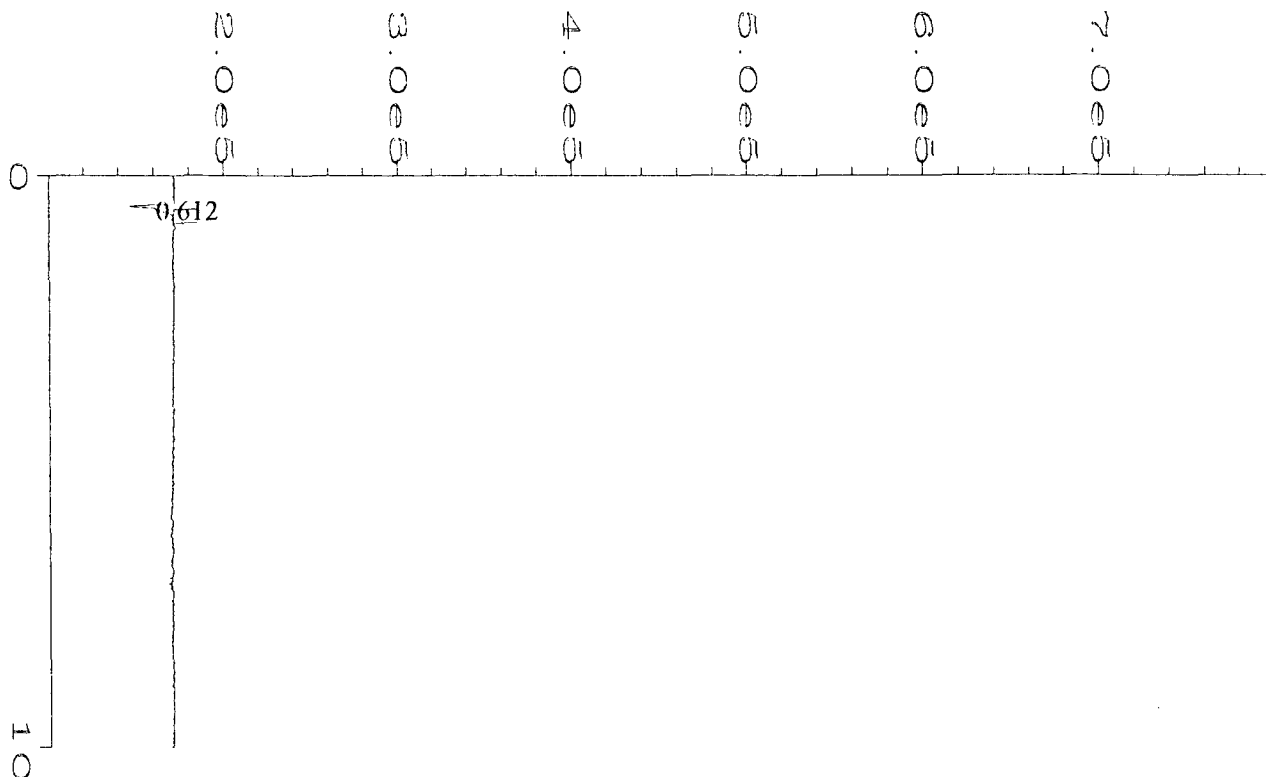
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Sig. 1 in A:\NV-F0936.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.754	* not found *			1		Benzene
2.353	5841263	PV	0.079	1-R	0.00174	a,a,a-TFT
3.370	* not found *			1		Toluene
6.507	* not found *			1		Ethylbenzene
6.909	* not found *			1		m & p-Xylene
8.325	* not found *			1		o-Xylene
0.609	40265	PV -	0.053		4.03E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.354	2.353	0.0%

Not all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F0937.D
 Operator :
 Instrument : RECON GC
 Sample Name : BLANK-08
 Run Time Bar Code:
 Acquired on : 10 Dec 93 12:18 PM
 Report Created on: 21 Jan 94 04:36 PM
 Last Recalib on : 21 Jan 94 03:48 PM
 Multiplier : 1

Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Sig. 1 in A:\NV-F0937.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.754	* not found *			1		Benzene
2.354	* not found *			1-R		a,a,a-TFT
3.370	* not found *			1		Toluene
6.507	* not found *			1		Ethylbenzene
6.909	* not found *			1		m & p-Xylene
8.325	* not found *			1		o-Xylene
0.612	34266	PV -	0.057		3.43E-005	* uncalibrated *

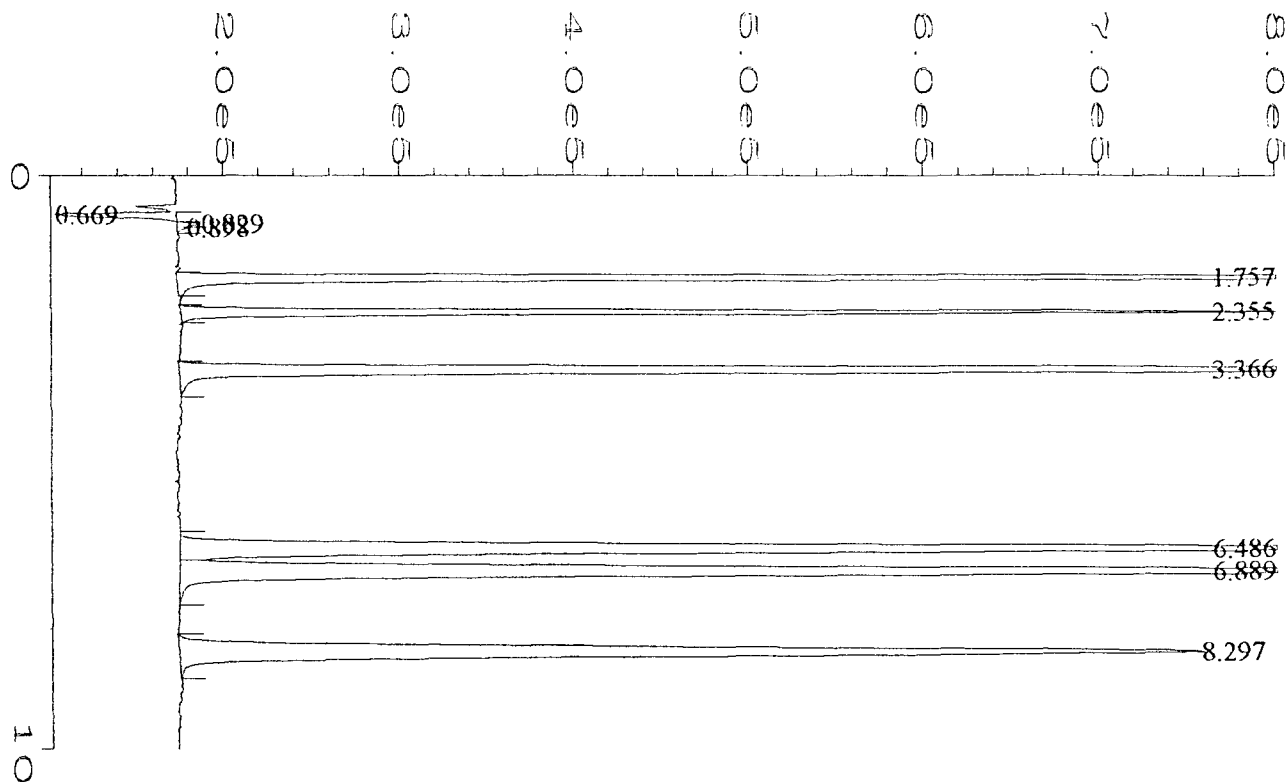
Time Reference Peak	Expected RT	Actual RT	Difference
2	2.354	* not found *	

Could not find time reference peak:

No peak of Number 2's description at 2.354 + 0.082 - 0.082 min.

Not all time reference peaks were found

Not all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F0938.D

Operator :

Instrument : RECON GC

Sample Name : STD-1210-03

Run Time Bar Code:

Acquired on : 10 Dec 93 12:31 PM

Report Created on: 21 Jan 94 04:41 PM

Last Recalib on : 21 Jan 94 03:48 PM

Multiplier : 1

Page Number : 1

Vial Number :

Injection Number :

Sequence Line :

Instrument Method: BLOOMREF.MTH

Analysis Method : BLOOMREF.MTH

Sample Amount : 0

ISTD Amount :

Sig. 1 in A:\NV-F0938.D

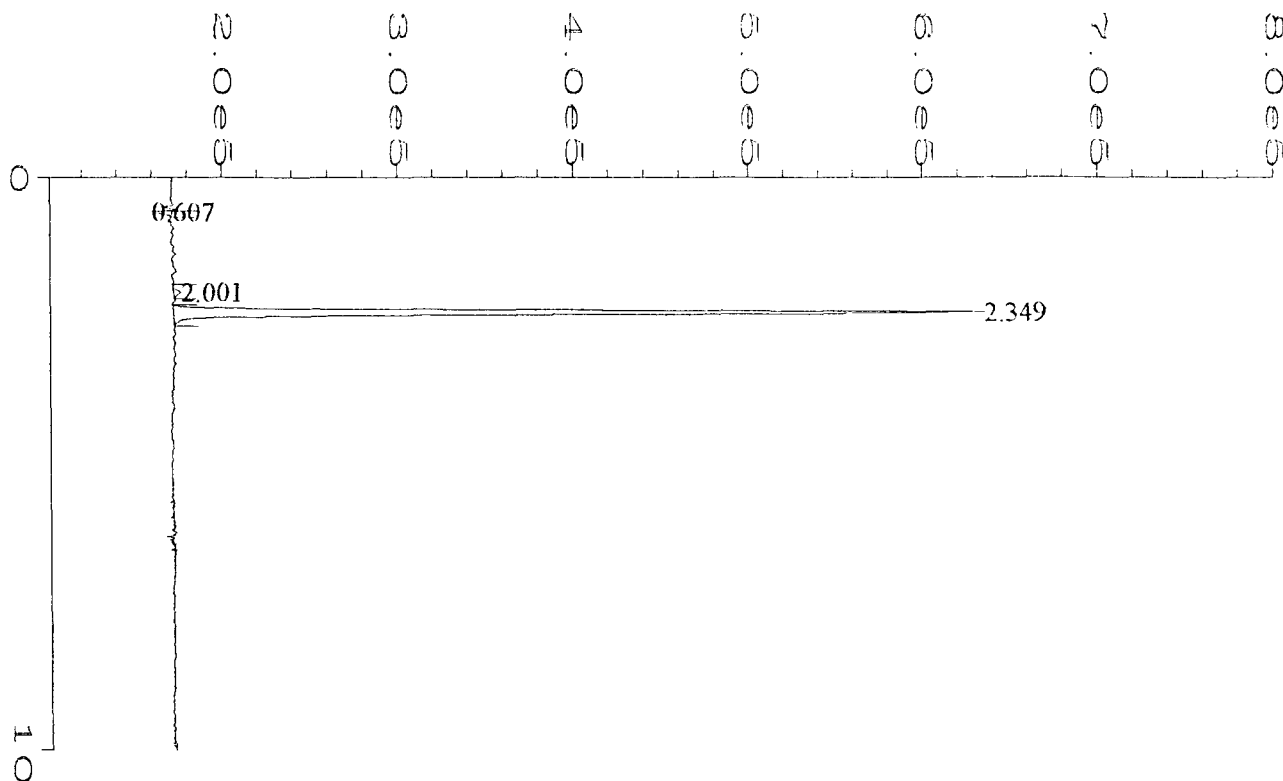
Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.757	9175403	PV	0.064	1	98.157	Benzene
2.355	3221162	PV	0.079	1-R	0.000958	a,a,a-TFT
3.366	8997500	PV	0.085	1	110.730	Toluene
6.486	7413470	BV	0.141	1	113.388	Ethylbenzene
6.889	8116551	VB	0.149	1	109.403	m & p-Xylene
8.297	6540772	BV	0.176	1	110.963	o-Xylene
0.669	343701	PP -	0.081		0.000344	* uncalibrated *
0.829	47950	PV	0.053		4.80E-005	* uncalibrated *
0.898	16867	VV	0.051		1.69E-005	* uncalibrated *

Time Reference Peak
2

Expected RT
2.354

Actual RT
2.355

Difference
0.0%



External Standard Report

Data File Name : A:\NV-F0939.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-39, PH-20
 Run Time Bar Code:
 Acquired on : 10 Dec 93 12:53 PM
 Report Created on: 21 Jan 94 04:42 PM
 Last Recalib on : 21 Jan 94 03:48 PM
 Multiplier : 1

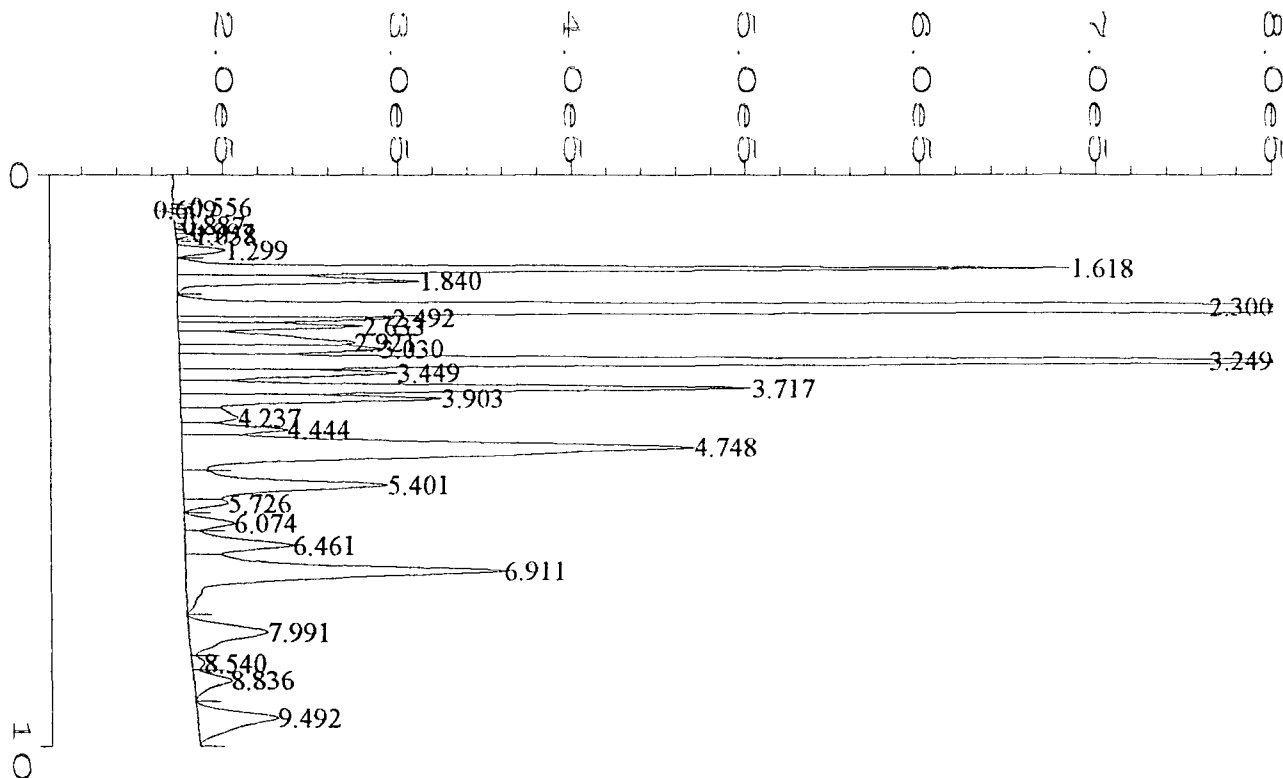
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Sig. 1 in A:\NV-F0939.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.754	* not found *			1		Benzene
2.349	2349494	BV	0.079	1-R	0.000699	a,a,a-TFT
3.370	* not found *			1		Toluene
6.507	* not found *			1		Ethylbenzene
6.909	* not found *			1		m & p-Xylene
8.325	* not found *			1		o-Xylene
0.607	33613	PV -	0.049		3.36E-005	* uncalibrated *
2.001	21926	PV	0.062		2.19E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.354	2.349	-0.2%

Not all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F0940.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-40, PH-20
 Run Time Bar Code:
 Acquired on : 10 Dec 93 01:08 PM
 Report Created on: 21 Jan 94 04:43 PM
 Last Recalib on : 21 Jan 94 03:48 PM
 Multiplier : 1

Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Sig. 1 in A:\NV-F0940.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.754	* not found *			1		Benzene
2.300	1.97497E+007	PV	0.107	1-R	0.00587	a,a,a-TFT
3.249	6233047	VV	0.116	1	76.709	Toluene
6.461	831442	VV	0.196	1	12.717	Ethylbenzene
6.911	2875303	VV	0.223	1	38.756	m & p-Xylene
7.991	846157	PV	0.288	1	14.355	o-Xylene
0.556	30787	PP	0.056		3.08E-005	* uncalibrated *
0.609	25599	PV -	0.041		2.56E-005	* uncalibrated *
0.887	14811	PV	0.047		1.48E-005	* uncalibrated *
0.997	28347	VV	0.046		2.83E-005	* uncalibrated *
1.058	35571	VV	0.049		3.56E-005	* uncalibrated *
1.299	201266	BV	0.103		0.000201	* uncalibrated *
1.618	2949193	VV	0.084		0.00295	* uncalibrated *
1.840	1096358	VV	0.110		0.00110	* uncalibrated *
2.492	616794	VV	0.072		0.000617	* uncalibrated *
2.633	681741	VV	0.097		0.000682	* uncalibrated *
2.921	1028848	VV	0.141		0.00103	* uncalibrated *

Data File Name : A:\NV-F0940.D
Operator :
Instrument : RECON GC
Sample Name : SG-40, PH-20
Run Time Bar Code:
Acquired on : 10 Dec 93 01:08 PM
Report Created on: 21 Jan 94 04:43 PM
Last Recalib on : 21 Jan 94 03:48 PM
Multiplier : 1

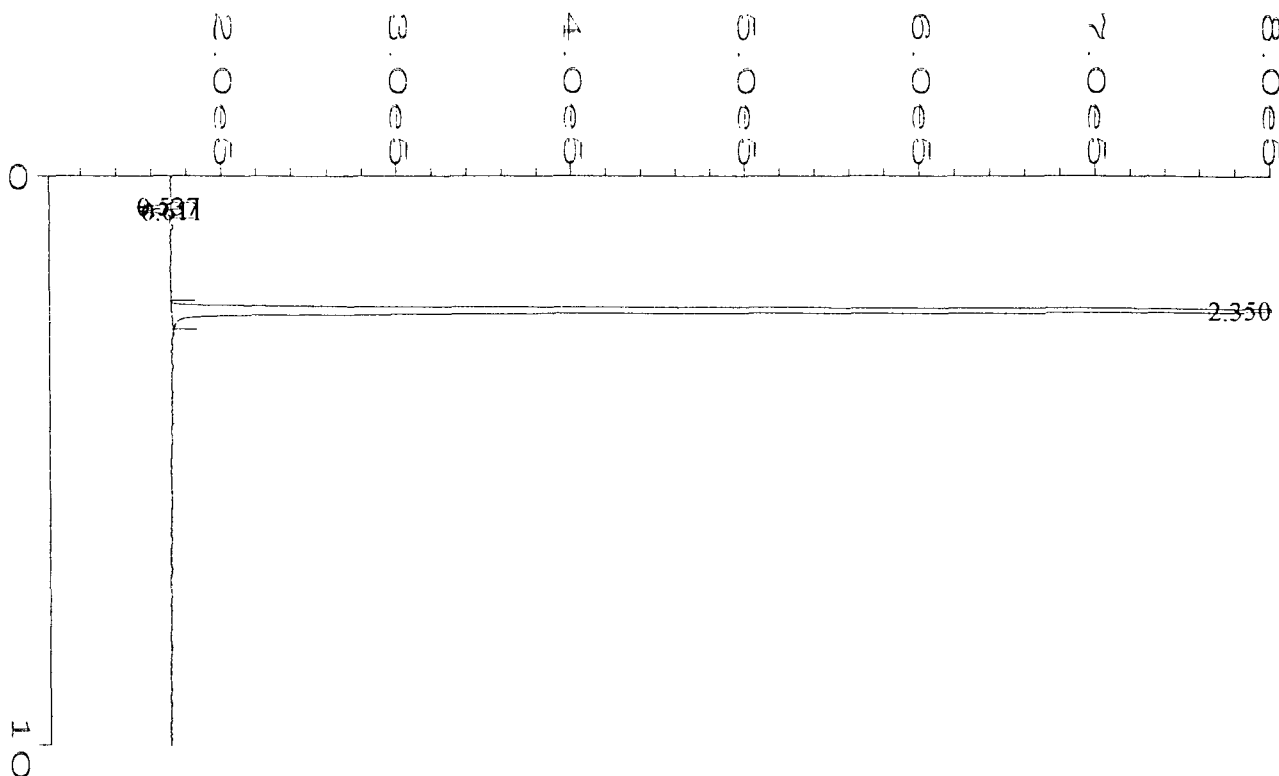
Page Number : 2
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: BLOOMREF.MTH
Analysis Method : BLOOMREF.MTH
Sample Amount : 0
ISTD Amount :

3.030	903564 VV	0.115	0.000904	* uncalibrated *
3.449	998692 VV	0.121	0.000999	* uncalibrated *
3.717	2581663 VV	0.119	0.00258	* uncalibrated *
3.903	1241719 VV	0.124	0.00124	* uncalibrated *
4.237	429126 VV	0.180	0.000429	* uncalibrated *
4.444	526129 VV	0.129	0.000526	* uncalibrated *
4.748	5011194 VV	0.232	0.00501	* uncalibrated *
5.401	1614812 VV	0.203	0.00161	* uncalibrated *
5.726	223712 VV	0.127	0.000224	* uncalibrated *
6.074	309029 VV	0.167	0.000309	* uncalibrated *
8.540	81678 VV	0.169	8.17E-005	* uncalibrated *
8.836	319597 VV	0.220	0.000320	* uncalibrated *
9.492	837936 VBA	0.262	0.000838	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.354	2.300	-2.3%

Not all calibrated peaks were found

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External Standard Report

Data File Name : A:\NV-F0941.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-41, PH-21
 Run Time Bar Code:
 Acquired on : 10 Dec 93 01:42 PM
 Report Created on: 21 Jan 94 04:44 PM
 Last Recalib on : 21 Jan 94 03:48 PM
 Multiplier : 1

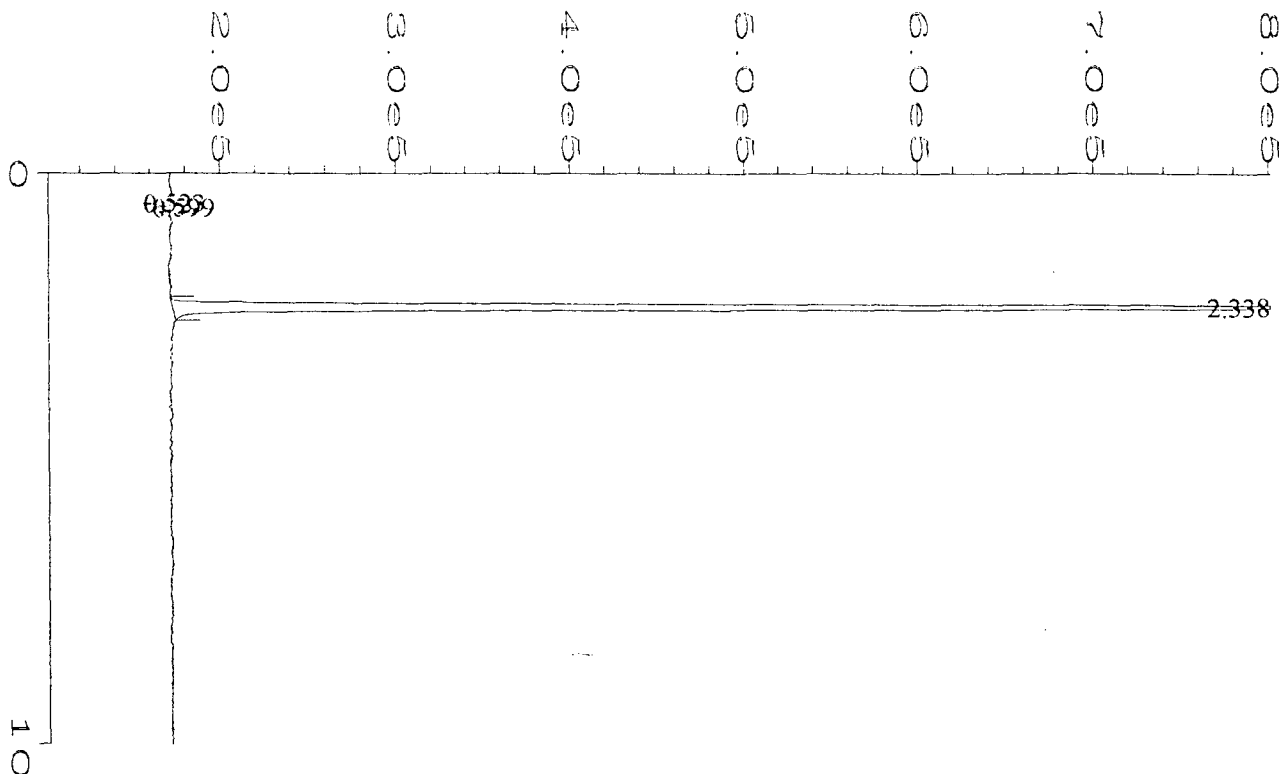
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F0941.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.754	* not found *			1		Benzene
2.350	5595693	BV	0.079	1-R	0.00166	a,a,a-TFT
3.370	* not found *			1		Toluene
6.507	* not found *			1		Ethylbenzene
6.909	* not found *			1		m & p-Xylene
8.325	* not found *			1		o-Xylene
0.537	59189	BV -	0.049		5.92E-005	* uncalibrated *
0.611	62803	PV -	0.054		6.28E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.354	2.350	-0.2%

At all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F0942.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-42, PH-21
 Run Time Bar Code:
 Acquired on : 10 Dec 93 01:59 PM
 Report Created on: 21 Jan 94 04:45 PM
 Last Recalib on : 21 Jan 94 03:48 PM
 Multiplier : 1

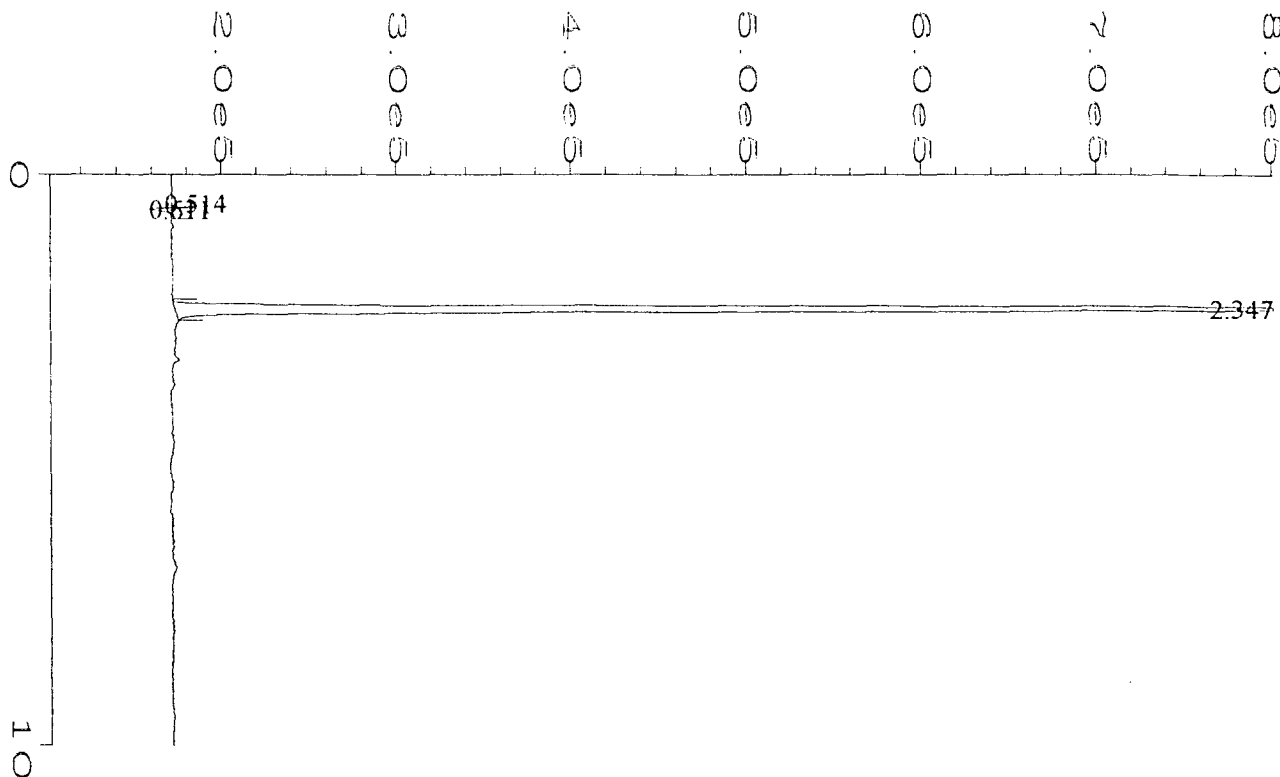
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F0942.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.754	* not found *			1		Benzene
2.338	5842491	PV	0.077	1-R	0.00174	a,a,a-TFT
3.370	* not found *			1		Toluene
6.507	* not found *			1		Ethylbenzene
6.909	* not found *			1		m & p-Xylene
8.325	* not found *			1		o-Xylene
0.523	42030	BV -	0.045		4.20E-005	* uncalibrated *
0.599	31128	PV -	0.046		3.11E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.354	2.338	-0.7%

Not all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F0943.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-43, PH-22
 Run Time Bar Code:
 Acquired on : 10 Dec 93 02:13 PM
 Report Created on: 21 Jan 94 04:46 PM
 Last Recalib on : 21 Jan 94 03:48 PM
 Multiplier : 1

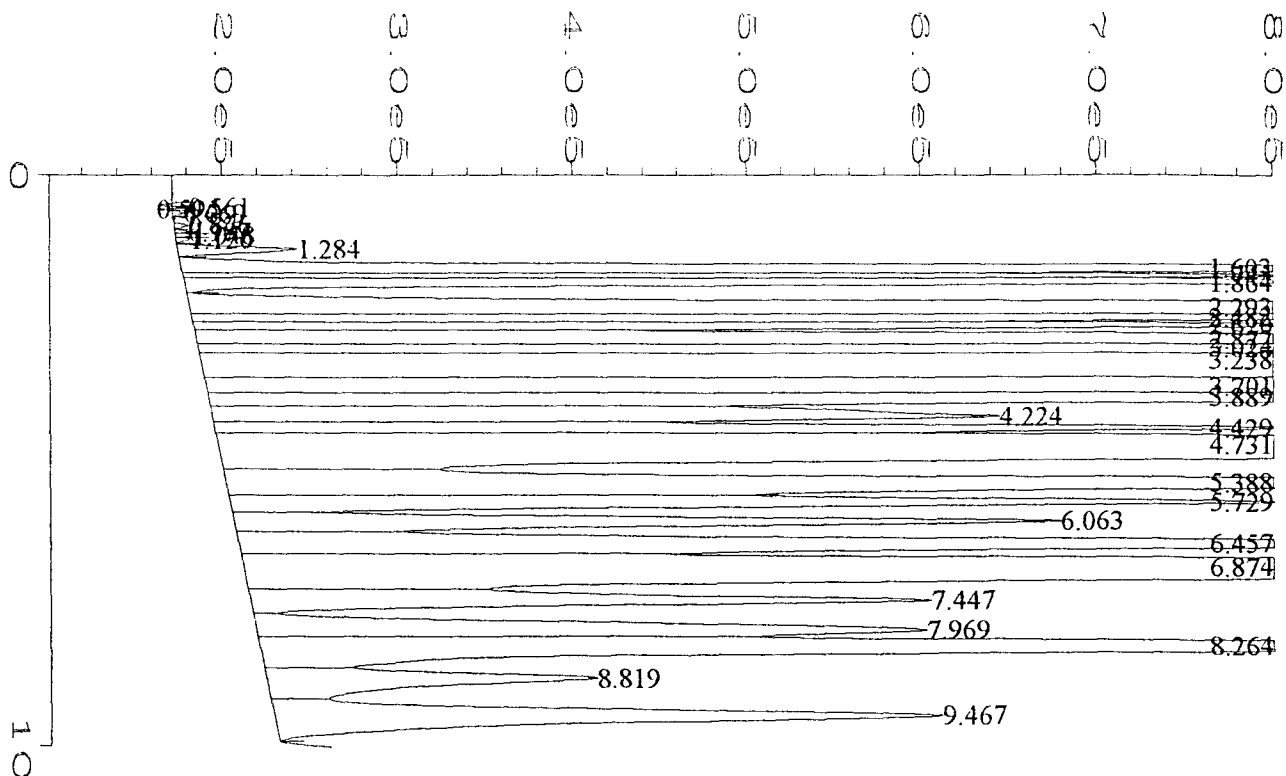
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F0943.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.754	* not found *			1		Benzene
2.347	5838718	BV	0.079	1-R	0.00174	a,a,a-TFT
3.370	* not found *			1		Toluene
6.507	* not found *			1		Ethylbenzene
6.909	* not found *			1		m & p-Xylene
8.325	* not found *			1		o-Xylene
0.514	5203	BP -	0.021		5.20E-006	* uncalibrated *
0.611	43368	PV -	0.051		4.34E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.354	2.347	-0.3%

at all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F0944.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-44, PH-22
 In Time Bar Code:
 Acquired on : 10 Dec 93 02:27 PM
 Report Created on: 21 Jan 94 04:47 PM
 Last Recalib on : 21 Jan 94 03:48 PM
 Multiplier : 1

Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F0944.D

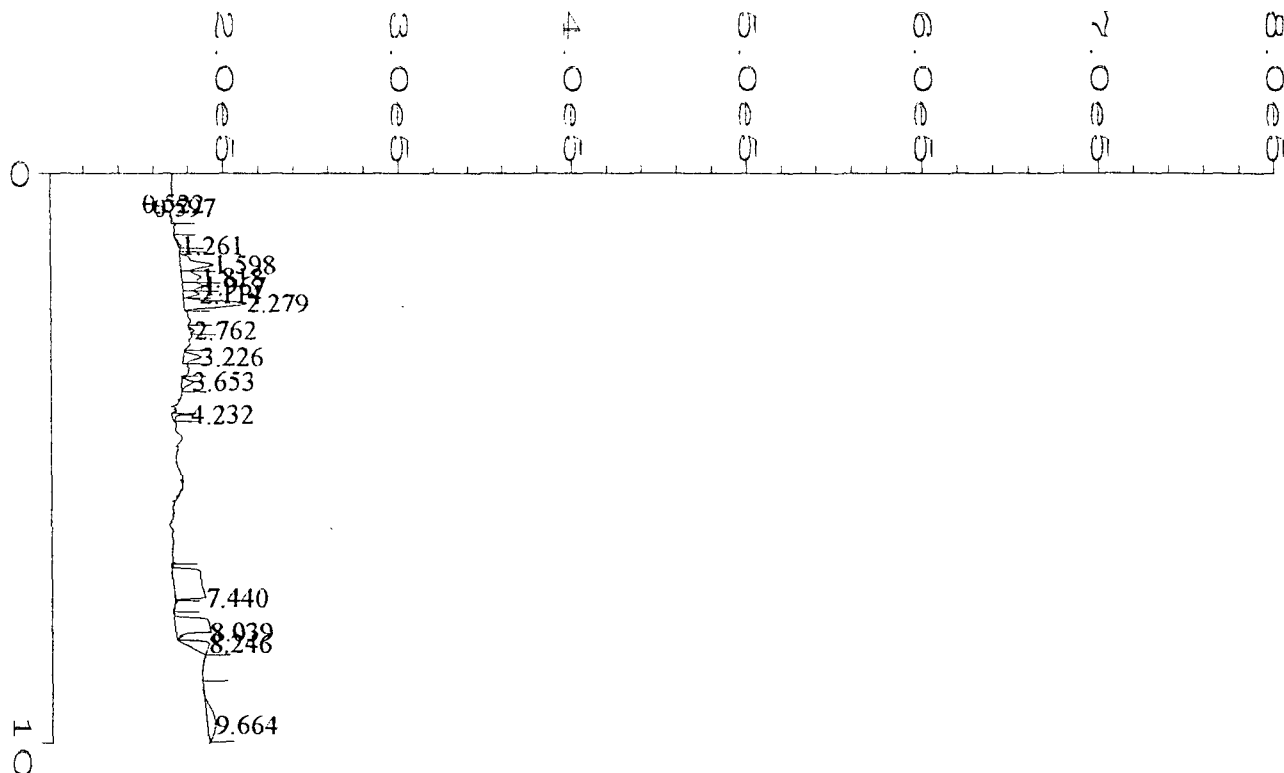
Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.745	3246660	VV	0.064	1	34.732	Benzene
2.293	1.13603E+008	VV	0.100	1-R	0.0338	a,a,a-TFT
3.238	1.2251E+008	VV	0.146	1	1507.707	Toluene
6.457	1.29881E+007	VV	0.168	1	198.652	Ethylbenzene
6.874	1.67629E+008	VV	0.156	1	2259.471	m & p-Xylene
7.969	5599780	VV	0.229	1	95.000	o-Xylene
0.561	1303	BP	- 0.009		1.30E-006	* uncalibrated *
0.595	11113	PP	- 0.021		1.11E-005	* uncalibrated *
0.669	19759	PV	0.046		1.98E-005	* uncalibrated *
0.876	24494	PV	0.045		2.45E-005	* uncalibrated *
0.987	21521	VV	0.037		2.15E-005	* uncalibrated *
1.048	30488	VV	0.045		3.05E-005	* uncalibrated *
1.120	27541	VV	0.053		2.75E-005	* uncalibrated *
1.284	470906	PV	0.095		0.000471	* uncalibrated *
1.603	1.18083E+007	VV	0.088		0.0118	* uncalibrated *
1.864	5212353	VV	0.105		0.00521	* uncalibrated *
2.482	6077408	VV	0.089		0.00608	* uncalibrated *

Data File Name : A:\NV-F0944.D
Operator :
Instrument : RECON GC
Sample Name : SG-44, PH-22
In Time Bar Code:
Acquired on : 10 Dec 93 02:27 PM
Report Created on: 21 Jan 94 04:47 PM
Last Recalib on : 21 Jan 94 03:48 PM
Multiplier : 1

Page Number : 2
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: BLOOMREF.MTH
Analysis Method : BLOOMREF.MTH
Sample Amount : 0
ISTD Amount :

2.620	5460513 VV	0.093	0.00546	* uncalibrated *
2.872	1.88226E+007 VV	0.124	0.0188	* uncalibrated *
3.024	1.5477E+007 VV	0.106	0.0155	* uncalibrated *
3.701	3.95487E+007 VV	0.132	0.0395	* uncalibrated *
3.889	1.73824E+007 VV	0.121	0.0174	* uncalibrated *
4.224	6131647 VV	0.184	0.00613	* uncalibrated *
4.429	5414771 VV	0.125	0.00541	* uncalibrated *
4.731	6.13768E+007 VV	0.202	0.0614	* uncalibrated *
5.388	1.6292E+007 VV	0.191	0.0163	* uncalibrated *
5.729	6489017 VV	0.160	0.00649	* uncalibrated *
6.063	5232529 VV	0.171	0.00523	* uncalibrated *
7.447	5153582 VV	0.196	0.00515	* uncalibrated *
8.264	1.75265E+007 VV	0.186	0.0175	* uncalibrated *
8.819	3188422 VV	0.246	0.00319	* uncalibrated *
9.467	6414296 VV	0.249	0.00641	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.354	2.293	-2.6%



External Standard Report

Data File Name : A:\NV-F0884.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-07, PH-04
 Run Time Bar Code:
 Acquired on : 09 Dec 93 12:27 PM
 Report Created on: 21 Jan 94 02:50 PM
 Last Recalib on : 21 Jan 94 02:32 PM
 Multiplier : 1

Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F0884.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.818	98398	VV	0.122	1	1.002	Benzene
2.365	* not found *			1-R		a,a,a-TFT
3.382	* not found *			1		Toluene
6.519	* not found *			1		Ethylbenzene
6.922	* not found *			1		m & p-Xylene
8.246	134138	PB	0.141	1	1.825	o-Xylene
0.522	45816	BV -	0.046		4.58E-005	* uncalibrated *
0.597	28210	PP -	0.044		2.82E-005	* uncalibrated *
1.261	5917	BV	0.059		5.92E-006	* uncalibrated *
1.598	162619	BV	0.119		0.000163	* uncalibrated *
1.967	79529	VV	0.096		7.95E-005	* uncalibrated *
2.114	47963	VV	0.078		4.80E-005	* uncalibrated *
2.279	252375	VV	0.119		0.000252	* uncalibrated *
2.762	9657	PV	0.055		9.66E-006	* uncalibrated *
3.226	71190	PV	0.109		7.12E-005	* uncalibrated *
3.653	44878	PB	0.109		4.49E-005	* uncalibrated *
4.232	21700	PB	0.038		2.17E-005	* uncalibrated *

Data File Name : A:\NV-F0884.D
Operator :
Instrument : RECON GC
Sample Name : SG-07, PH-04
In Time Bar Code:
Acquired on : 09 Dec 93 12:27 PM
Report Created on: 21 Jan 94 02:50 PM
Last Recalib on : 21 Jan 94 02:32 PM
Multiplier : 1

Page Number : 2
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: BLOOMREF.MTH
Analysis Method : BLOOMREF.MTH
Sample Amount : 0
ISTD Amount :

7.440	522085 BV	0.356	0.000522	* uncalibrated *
8.039	331959 BV	0.201	0.000332	* uncalibrated *
9.664	135897 BBA	0.380	0.000136	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.365	* not found *	

Could not find time reference peak:

No peak of Number 2's description at 2.365 + 0.083 - 0.083 min.

Not all time reference peaks were found

Not all calibrated peaks were found

Area Percent Report

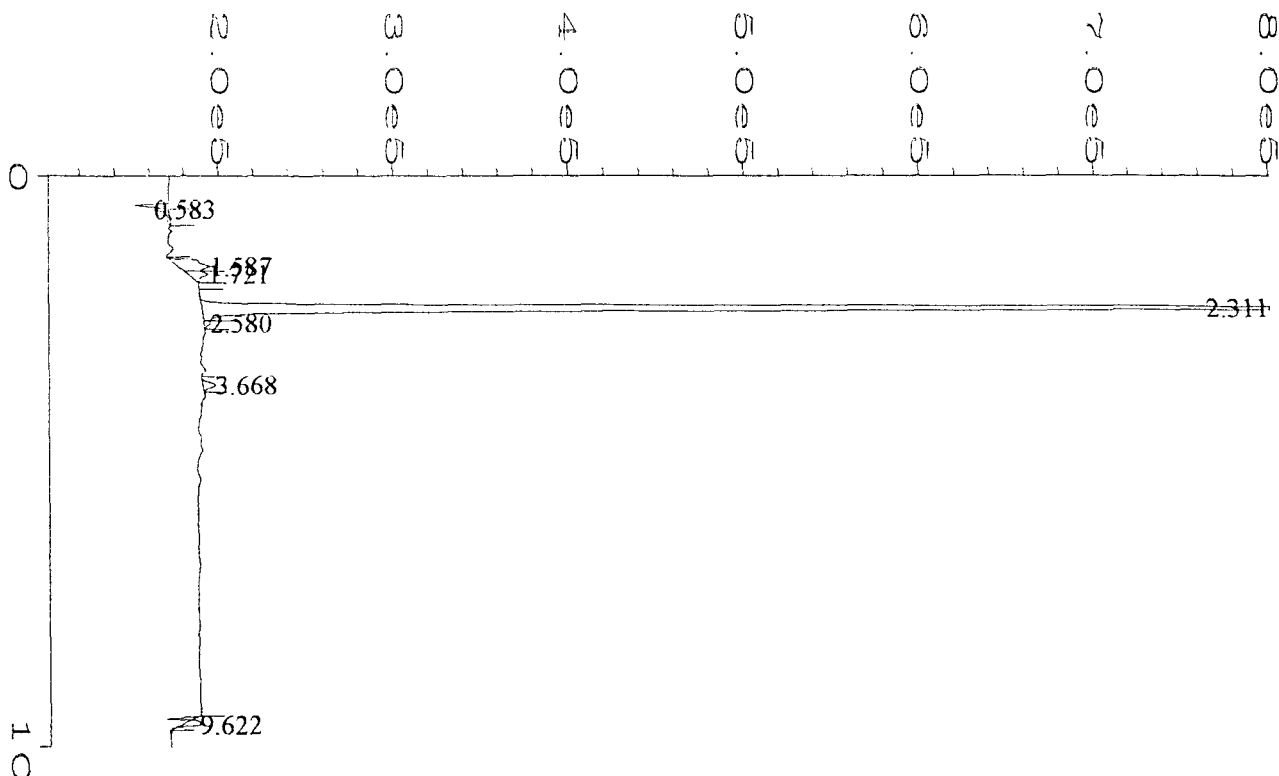
Data File Name : A:\NV-F0884.D
Operator :
Instrument : RECON GC
Sample Name : SG-07, PH-04
In Time Bar Code:
Acquired on : 09 Dec 93 12:27 PM
Report Created on: 21 Jan 94 02:50 PM
Last Recalib on : 21 Jan 94 02:32 PM
Multiplier : 1

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: BLOOMREF.MTH
Analysis Method : BLOOMREF.MTH
Sample Amount : 0
ISTD Amount :

Fig. 1 in A:\NV-F0884.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.522	45816	16461	BV -	0.046	2.2996
2	0.597	28210	10099	PP -	0.044	1.4159
3	1.261	5917	1462	BV	0.059	0.2970
4	1.598	162619	18978	BV	0.119	8.1622
5	1.818	98398	10744	VV	0.122	4.9388
6	1.967	79529	11771	VV	0.096	3.9918
7	2.114	47963	9190	VV	0.078	2.4074
8	2.279	252375	35139	VV	0.119	12.6673
9	2.762	9657	2579	PV	0.055	0.4847
10	3.226	71190	10000	PV	0.109	3.5732
11	3.653	44878	6182	PB	0.109	2.2526
12	4.232	21700	10397	PB	0.038	1.0892
13	7.440	522085	17483	BV	0.356	26.2047
14	8.039	331959	19954	BV	0.201	16.6618
15	8.246	134138	14457	PB	0.141	6.7327
16	9.664	135897	4598	BBA	0.380	6.8210

Total amount = 1.99233E+006



External Standard Report

Data File Name : A:\NV-F0885.D

Operator :

Instrument : RECON GC

Sample Name : SG-08, PH-04

Run Time Bar Code:

Acquired on : 09 Dec 93 12:43 PM

Report Created on: 21 Jan 94 02:52 PM

Last Recalib on : 21 Jan 94 02:32 PM

Multiplier : 1

Page Number : 1

Vial Number :

Injection Number :

Sequence Line :

Instrument Method: BLOOMREF.MTH

Analysis Method : BLOOMREF.MTH

Sample Amount : 0

ISTD Amount :

Fig. 1 in A:\NV-F0885.D

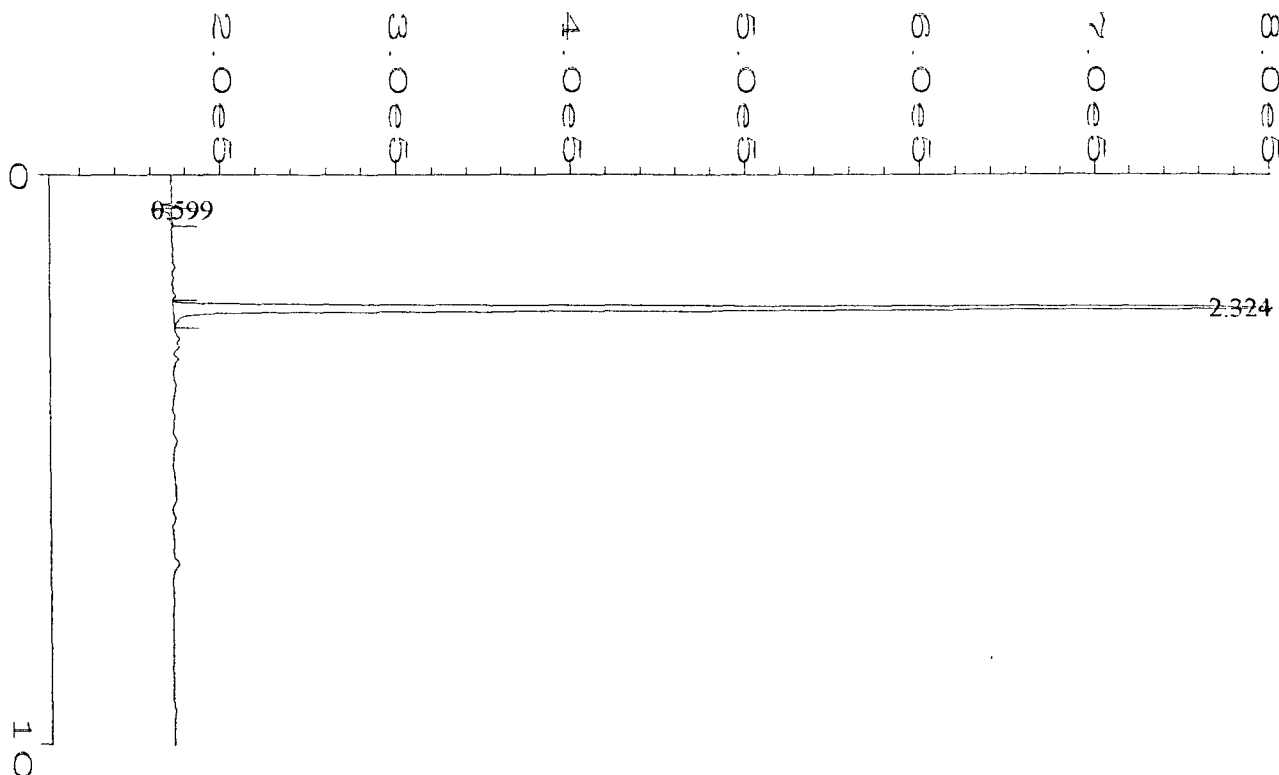
Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.721	77140	VB	0.092	1	0.785	Benzene
2.311	4886852	BV	0.078	1-R	0.00132	a,a,a-TFT
3.382	* not found *			1		Toluene
6.519	* not found *			1		Ethylbenzene
6.922	* not found *			1		m & p-Xylene
8.338	* not found *			1		o-Xylene
0.583	41668	PV -	0.083		4.17E-005	* uncalibrated *
1.587	179757	PV	0.132		0.000180	* uncalibrated *
2.580	20105	VV	0.078		2.01E-005	* uncalibrated *
3.668	49104	PV	0.088		4.91E-005	* uncalibrated *
9.622	24539	BV	0.034		2.45E-005	* uncalibrated *

Time Reference Peak
2

Expected RT
2.365

Actual RT
2.311

Difference
-2.3%



External Standard Report

Data File Name : A:\NV-F0886.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-09, PH-05
 In Time Bar Code:
 Acquired on : 09 Dec 93 01:00 PM
 Report Created on: 21 Jan 94 02:54 PM
 Last Recalib on : 21 Jan 94 02:32 PM
 Multiplier : 1

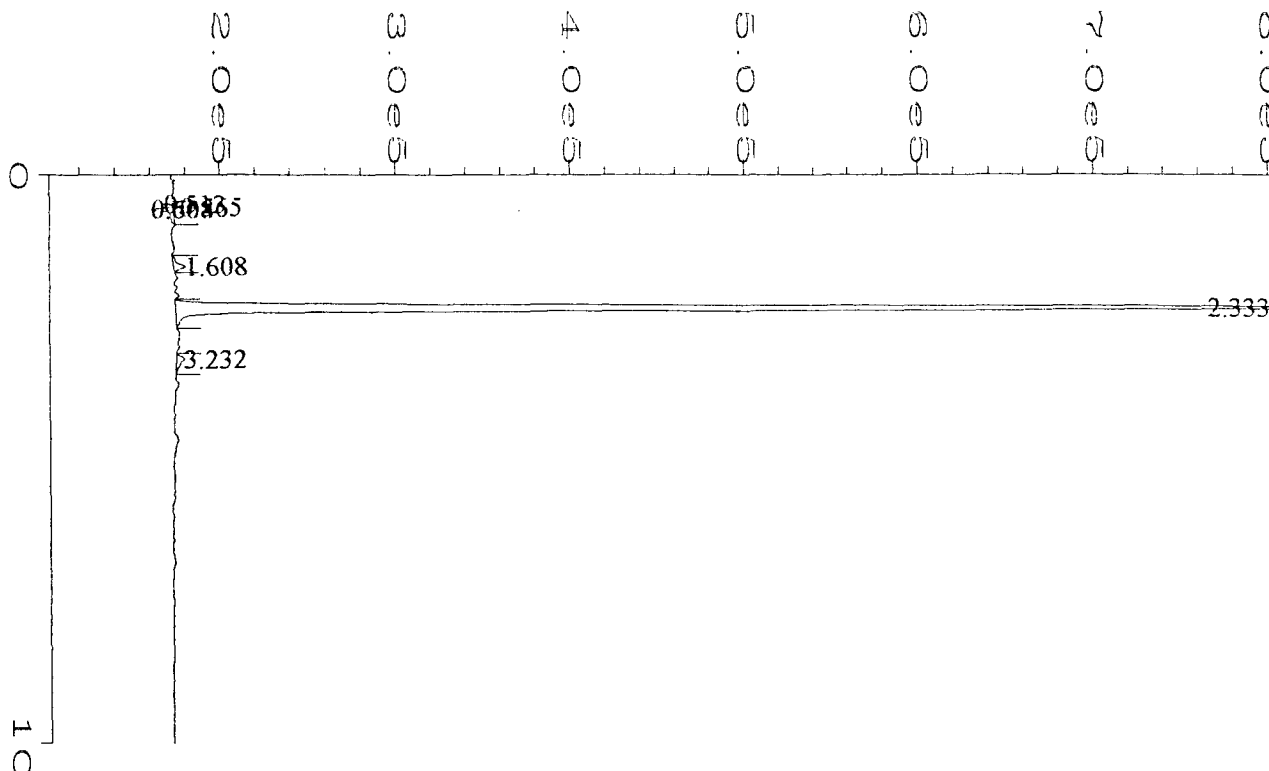
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F0886.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.764	* not found *			1		Benzene
2.324	4088394	PV	0.076	1-R	0.00110	a,a,a-TFT
3.382	* not found *			1		Toluene
6.519	* not found *			1		Ethylbenzene
6.922	* not found *			1		m & p-Xylene
8.338	* not found *			1		o-Xylene
0.599	48859	PV -	0.070		4.89E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.365	2.324	-1.7%

all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F0887.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-10, PH-05
 Run Time Bar Code:
 Acquired on : 09 Dec 93 01:14 PM
 Report Created on: 21 Jan 94 02:55 PM
 Last Recalib on : 21 Jan 94 02:32 PM
 Multiplier : 1

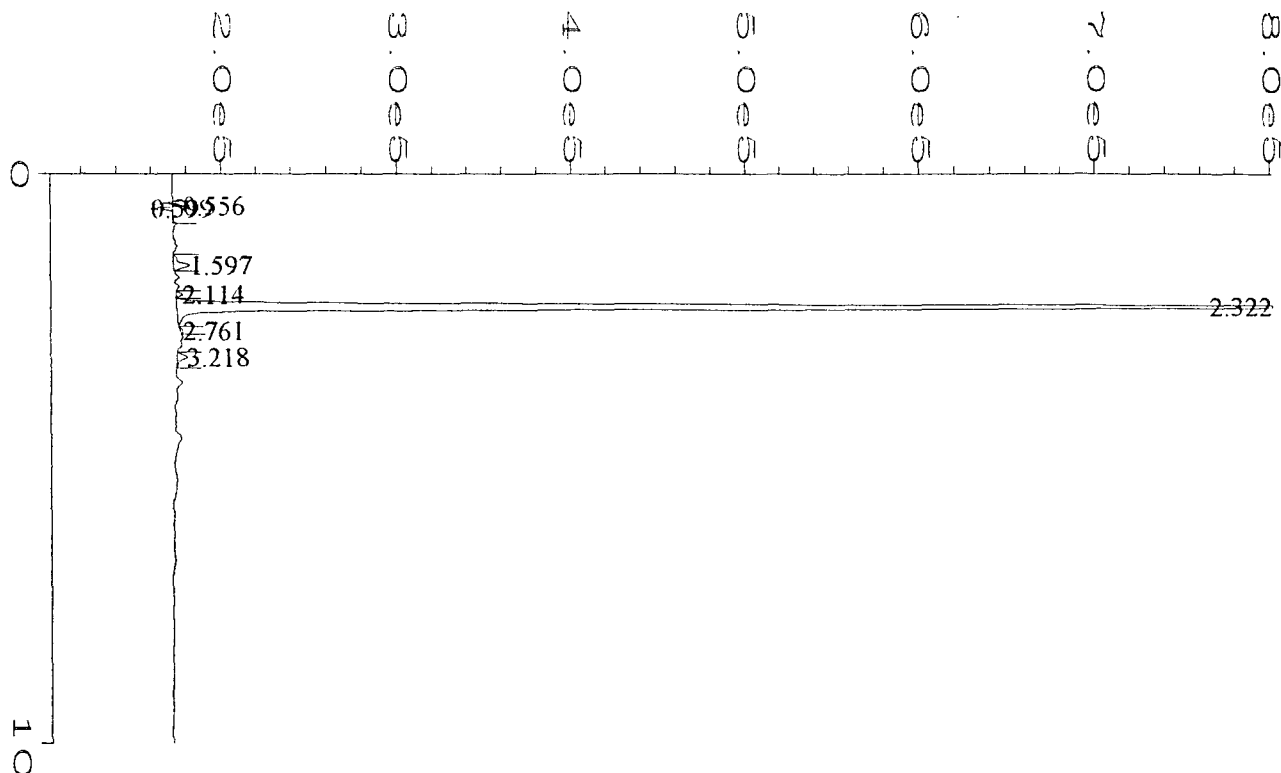
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F0887.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.764	* not found *			1		Benzene
2.333	4665944	VV	0.079	1-R	0.00126	a,a,a-TFT
3.232	44986	BB	0.130	1	0.490	Toluene
6.519	* not found *			1		Ethylbenzene
6.922	* not found *			1		m & p-Xylene
8.338	* not found *			1		o-Xylene
0.513	5866	BP -	0.020		5.87E-006	* uncalibrated *
0.565	6900	PP	0.027		6.90E-006	* uncalibrated *
0.608	58036	PV -	0.077		5.80E-005	* uncalibrated *
1.608	46386	BV	0.103		4.64E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.365	2.333	-1.4%

Not all calibrated peaks were found



External Standard Report

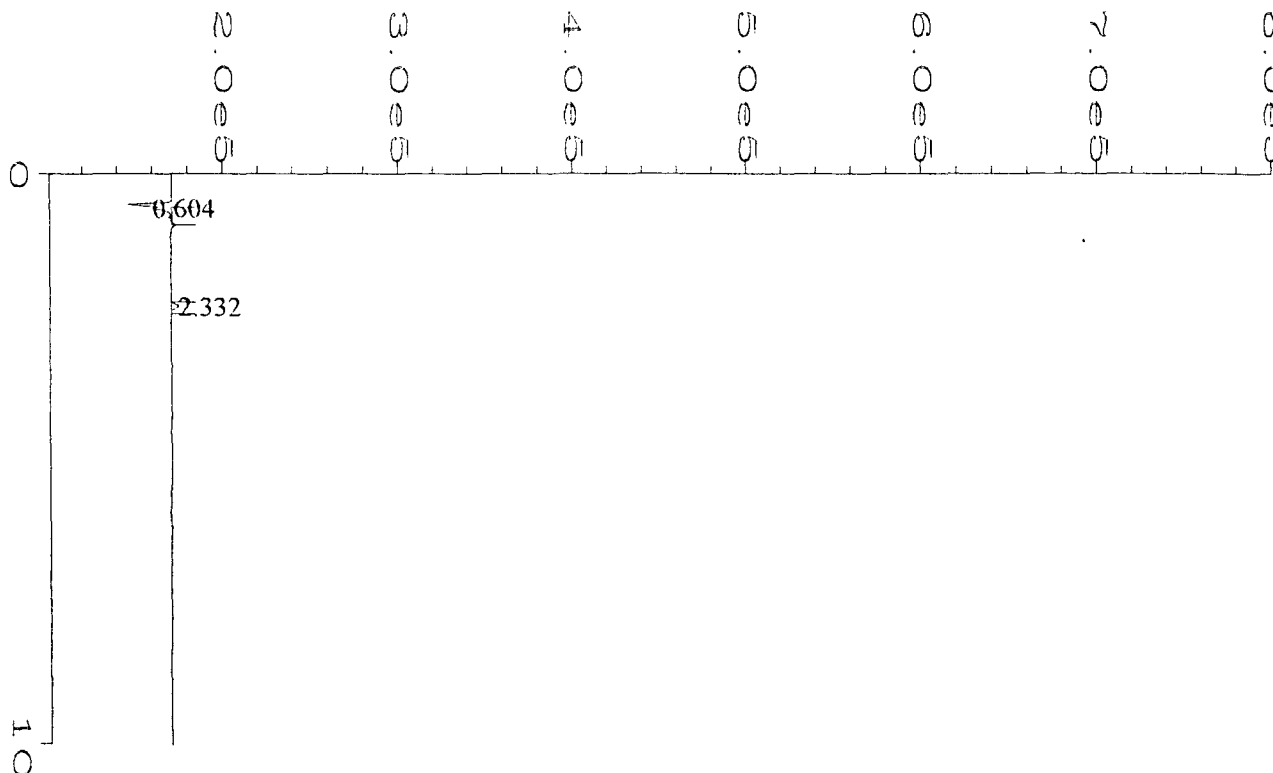
Data File Name : A:\NV-F0888.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-10(D), PH-05
 Run Time Bar Code:
 Acquired on : 09 Dec 93 01:26 PM
 Report Created on: 21 Jan 94 02:56 PM
 Last Recalib on : 21 Jan 94 02:32 PM
 Multiplier : 1

Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F0888.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.764	* not found *			1		Benzene
2.322	4584795	VV	0.077	1-R	0.00124	a,a,a-TFT
3.218	37821	BB	0.092	1	0.412	Toluene
6.519	* not found *			1		Ethylbenzene
6.922	* not found *			1		m & p-Xylene
8.338	* not found *			1		o-Xylene
0.556	6079	BP	0.018		6.08E-006	* uncalibrated *
0.599	27524	PP -	0.039		2.75E-005	* uncalibrated *
1.597	65709	BV	0.100		6.57E-005	* uncalibrated *
2.114	14604	VV	0.061		1.46E-005	* uncalibrated *
2.761	6318	PV	0.057		6.32E-006	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.365	2.322	-1.8%



External Standard Report

Data File Name : A:\NV-F0889.D

Operator :

Instrument : RECON GC

Sample Name : BLANK-03

Run Time Bar Code:

Acquired on : 09 Dec 93 01:40 PM

Report Created on: 21 Jan 94 02:57 PM

Last Recalib on : 21 Jan 94 02:32 PM

Multiplier : 1

Page Number : 1

Vial Number :

Injection Number :

Sequence Line :

Instrument Method: BLOOMREF.MTH

Analysis Method : BLOOMREF.MTH

Sample Amount : 0

ISTD Amount :

Fig. 1 in A:\NV-F0889.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.764	* not found *			1		Benzene
2.332	20742	BB	0.074	1-R	5.60E-006	a,a,a-TFT
3.382	* not found *			1		Toluene
6.519	* not found *			1		Ethylbenzene
6.922	* not found *			1		m & p-Xylene
8.338	* not found *			1		o-Xylene
0.604	40163	PP -	0.054		4.02E-005	* uncalibrated *

Time Reference Peak

Expected RT

Actual RT

Difference

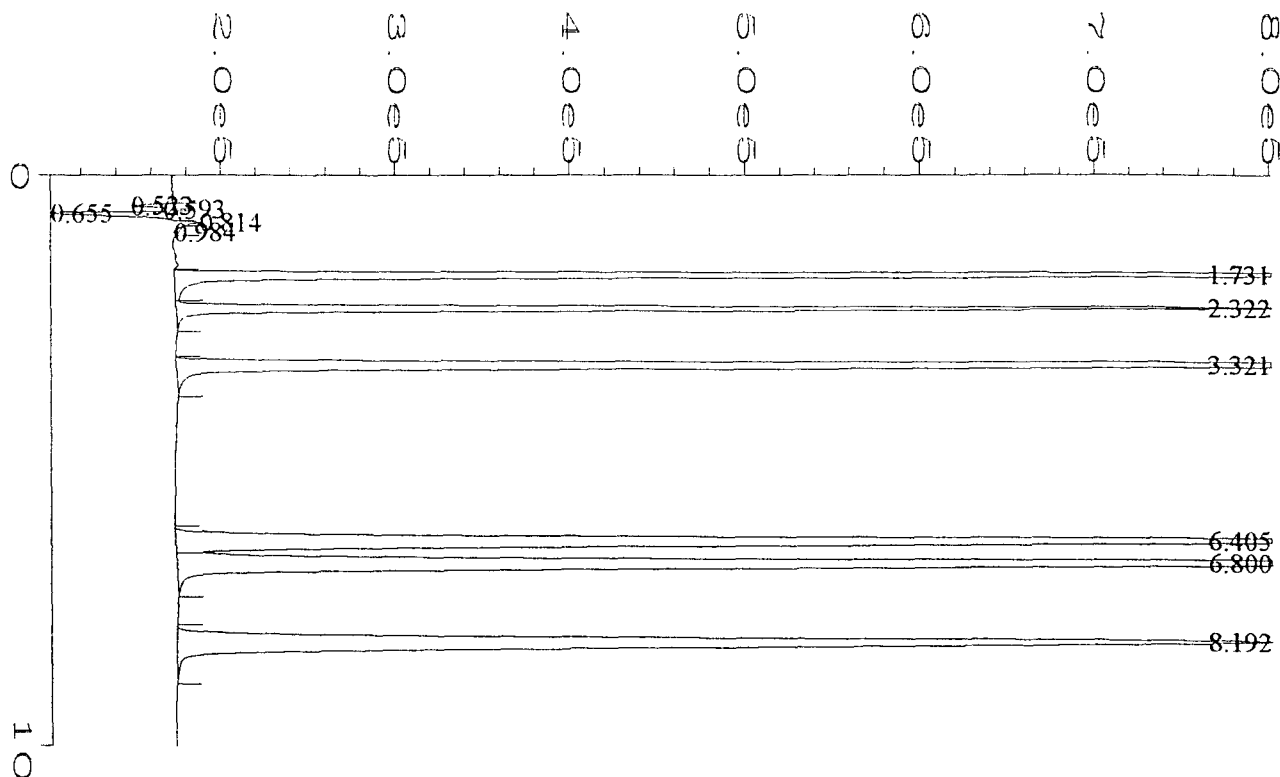
2

2.365

2.332

-1.4%

Not all calibrated peaks were found



External Standard Report

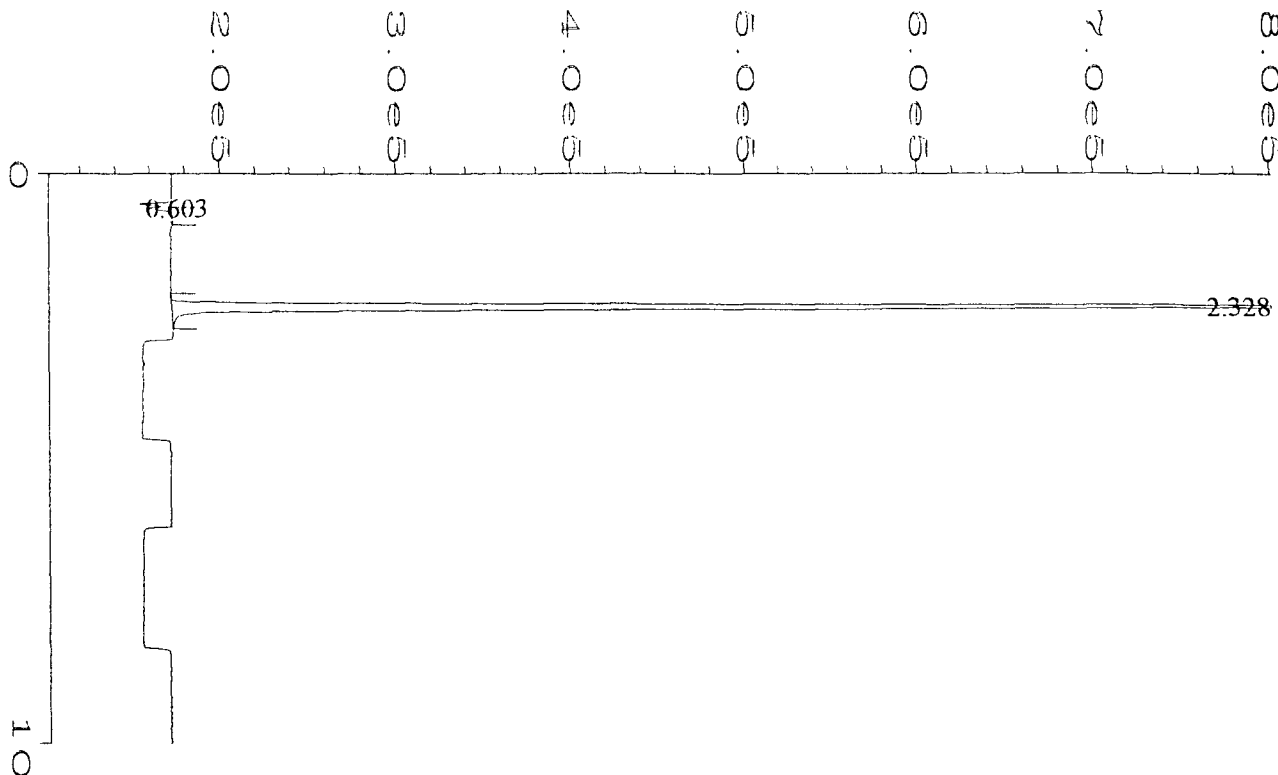
Data File Name : A:\NV-F0890.D
 Operator :
 Instrument : RECON GC
 Sample Name : STD-1209
 Run Time Bar Code:
 Acquired on : 09 Dec 93 01:54 PM
 Report Created on: 21 Jan 94 02:58 PM
 Last Recalib on : 21 Jan 94 02:32 PM
 Multiplier : 1

Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F0890.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.731	9368697	PV	0.060	1	95.397	Benzene
2.322	3368315	VB	0.077	1-R	0.000910	a,a,a-TFT
3.321	9037373	BB	0.086	1	98.394	Toluene
6.405	7703335	BV	0.139	1	97.075	Ethylbenzene
6.800	8589556	VB	0.146	1	94.605	m & p-Xylene
8.192	6916724	BB	0.170	1	94.110	o-Xylene
0.523	75026	BV -	0.051		7.50E-005	* uncalibrated *
0.593	15482	PV -	0.033		1.55E-005	* uncalibrated *
0.655	354681	PP -	0.077		0.000355	* uncalibrated *
0.814	22135	PB	0.036		2.21E-005	* uncalibrated *
0.984	14505	BV -	0.074		1.45E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.365	2.322	-1.8%



External Standard Report

Data File Name : A:\NV-F0891.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-11, PH-06
 In Time Bar Code:
 Acquired on : 09 Dec 93 02:16 PM
 Report Created on: 21 Jan 94 02:59 PM
 Last Recalib on : 21 Jan 94 02:32 PM
 Multiplier : 1

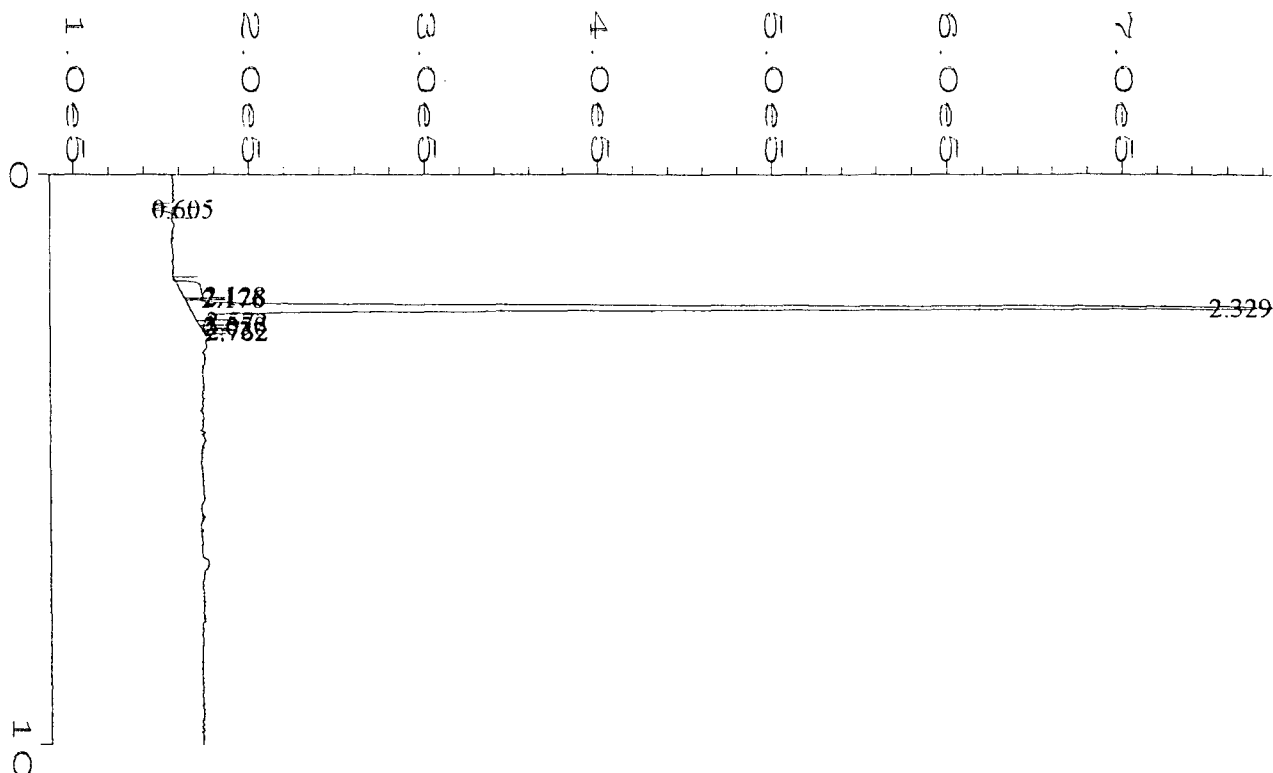
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F0891.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.764	* not found *			1		Benzene
2.328	4291165	BB	0.078	1-R	0.00116	a,a,a-TFT
3.382	* not found *			1		Toluene
6.519	* not found *			1		Ethylbenzene
6.922	* not found *			1		m & p-Xylene
8.338	* not found *			1		o-Xylene
0.603	57490	PV -	0.056		5.75E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.365	2.328	-1.6%

All calibrated peaks were found



External Standard Report

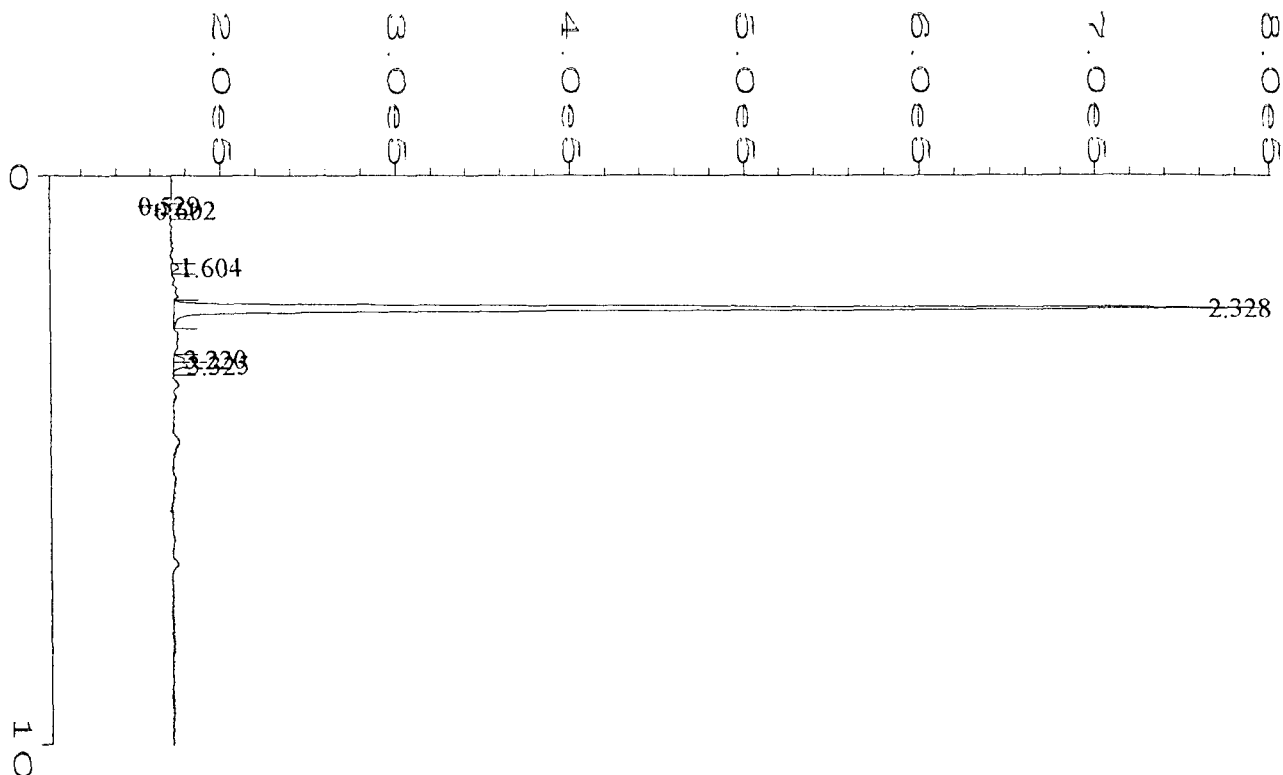
Data File Name : A:\NV-F0892.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-12, PH-06
 Run Time Bar Code:
 Acquired on : 09 Dec 93 02:30 PM
 Report Created on: 21 Jan 94 03:00 PM
 Last Recalib on : 21 Jan 94 02:32 PM
 Multiplier : 1

Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F0892.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.764	* not found *			1		Benzene
2.329	3884556	VV	0.080	1-R	0.00105	a,a,a-TFT
3.382	* not found *			1		Toluene
6.519	* not found *			1		Ethylbenzene
6.922	* not found *			1		m & p-Xylene
8.338	* not found *			1		o-Xylene
0.605	41303	PV -	0.054		4.13E-005	* uncalibrated *
2.128	206368	BV	0.213		0.000206	* uncalibrated *
2.176	17861	VV	0.029		1.79E-005	* uncalibrated *
2.572	18371	VV	0.053		1.84E-005	* uncalibrated *
2.650	5219	VV	0.037		5.22E-006	* uncalibrated *
2.732	2698	VV	0.029		2.70E-006	* uncalibrated *
2.762	1900	VV	0.029		1.90E-006	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.365	2.329	-1.5%



External Standard Report

Data File Name : A:\NV-F0893.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-13, PH-07
 Run Time Bar Code:
 Acquired on : 09 Dec 93 02:45 PM
 Report Created on: 21 Jan 94 03:01 PM
 Last Recalib on : 21 Jan 94 02:32 PM
 Multiplier : 1

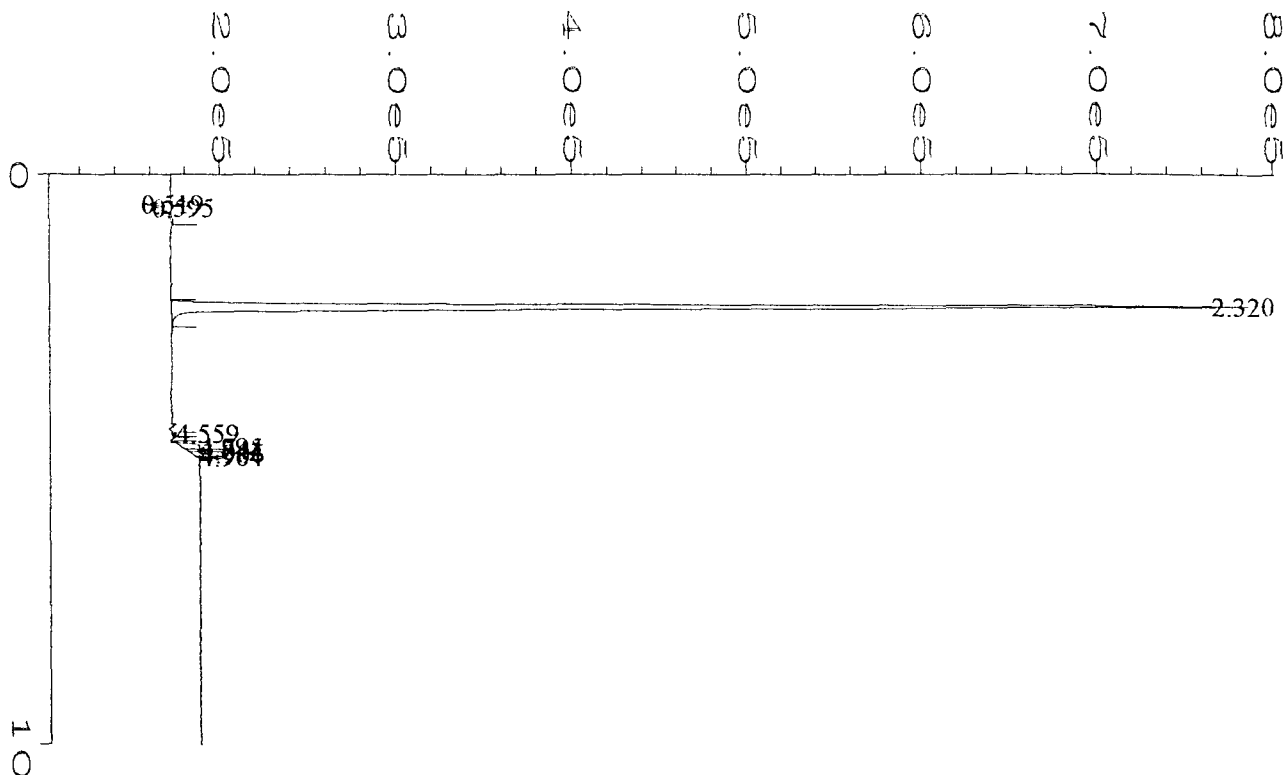
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F0893.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.764	* not found *			1		Benzene
2.328	3184913	PV	0.079	1-R	0.000861	a,a,a-TFT
3.325	48353	VV	0.089	1	0.526	Toluene
6.519	* not found *			1		Ethylbenzene
6.922	* not found *			1		m & p-Xylene
8.338	* not found *			1		o-Xylene
0.529	57862	BV -	0.051		5.79E-005	* uncalibrated *
0.602	38562	PV -	0.062		3.86E-005	* uncalibrated *
1.604	26619	PV	0.074		2.66E-005	* uncalibrated *
3.220	34328	BV	0.081		3.43E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.365	2.328	-1.6%

Not all calibrated peaks were found



External Standard Report

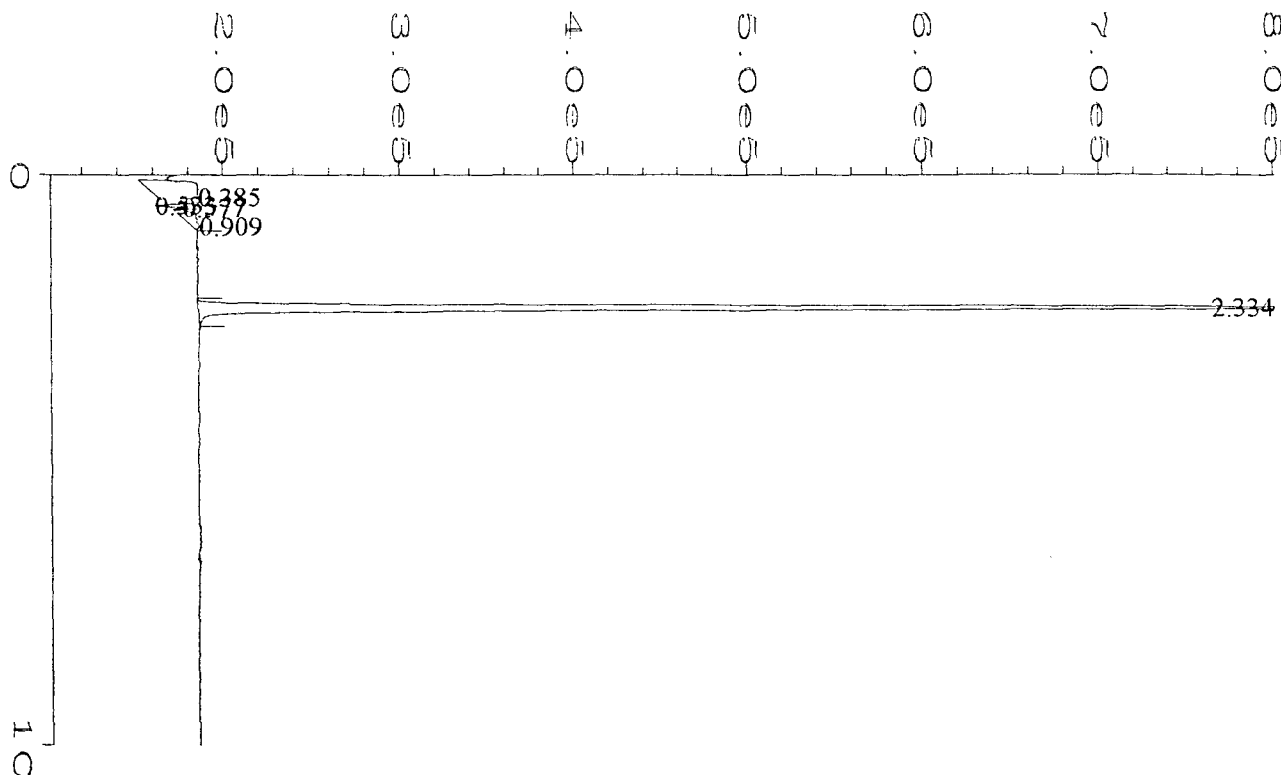
Data File Name : A:\NV-F0894.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-14, PH-07
 Run Time Bar Code:
 Acquired on : 09 Dec 93 03:00 PM
 Report Created on: 21 Jan 94 03:02 PM
 Last Recalib on : 21 Jan 94 02:32 PM
 Multiplier : 1

Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F0894.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.764	* not found *			1		Benzene
2.320	3009882	BB	0.077	1-R	0.000813	a,a,a-TFT
3.382	* not found *			1		Toluene
6.519	* not found *			1		Ethylbenzene
6.922	* not found *			1		m & p-Xylene
8.338	* not found *			1		o-Xylene
0.519	43993	BV -	0.044		4.40E-005	* uncalibrated *
0.595	45683	PV -	0.062		4.57E-005	* uncalibrated *
4.559	5973	PB	0.032		5.97E-006	* uncalibrated *
4.795	63326	BV	0.083		6.33E-005	* uncalibrated *
4.844	16167	VV	0.035		1.62E-005	* uncalibrated *
4.906	17915	VV	0.051		1.79E-005	* uncalibrated *
4.964	2685	VB	0.027		2.69E-006	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.365	2.320	-1.9%



External Standard Report

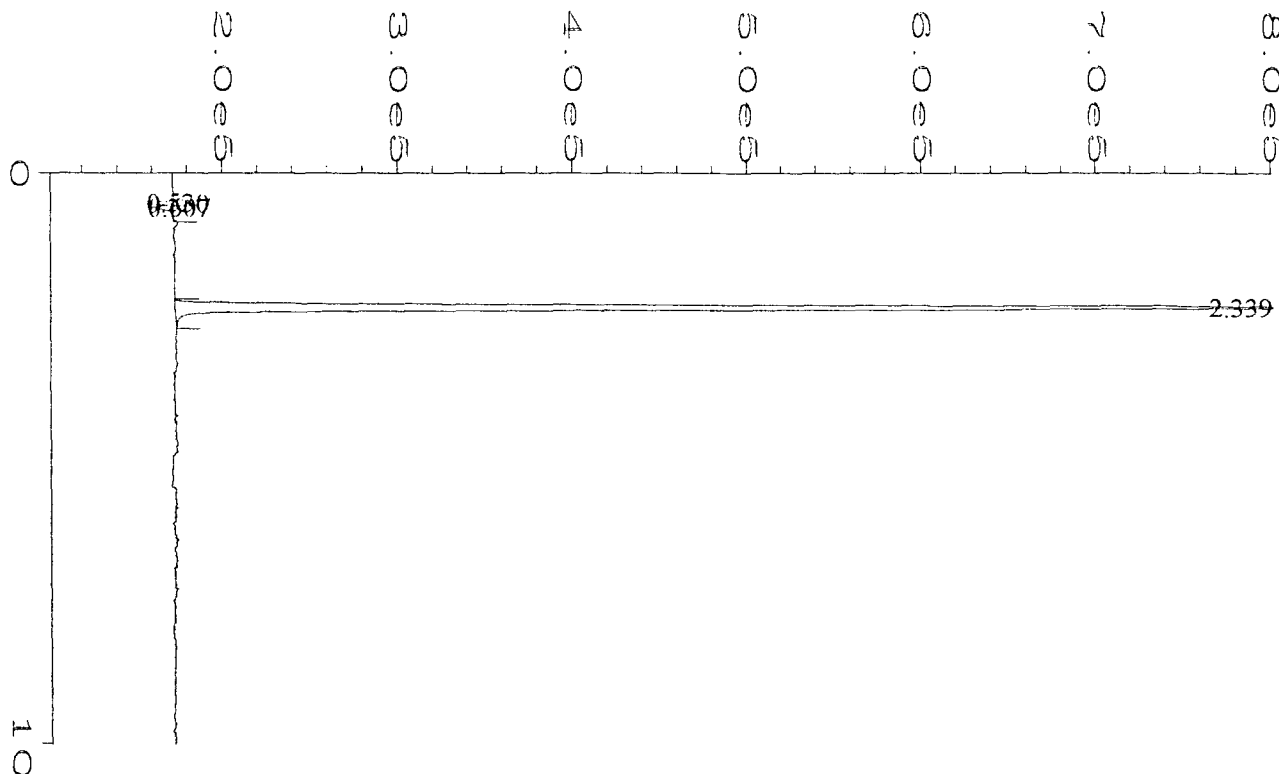
File Name	: A:\NV-F0895.D	Page Number	: 1
Operator	:	Vial Number	:
Instrument	: RECON GC	Injection Number	:
Sample Name	: SG-15, PH-08	Sequence Line	:
Time Bar Code:		Instrument Method	: BLOOMREF.MTH
Acquired on	: 09 Dec 93 03:19 PM	Analysis Method	: BLOOMREF.MTH
Report Created on:	21 Jan 94 03:03 PM	Sample Amount	: 0
Recalib on	: 21 Jan 94 02:32 PM	ISTD Amount	:
Multiplier	: 1		

1 in A:\NV-F0895.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.764	* not found *			1		Benzene
2.334	3956520	BB	0.079	1-R	0.00107	a,a,a-TFT
3.382	* not found *			1		Toluene
6.519	* not found *			1		Ethylbenzene
6.922	* not found *			1		m & p-Xylene
8.338	* not found *			1		o-Xylene
0.385	628610	VP	0.354		0.000629	* uncalibrated *
0.533	10769	PP	0.024		1.08E-005	* uncalibrated *
0.577	10906	PV	0.027		1.09E-005	* uncalibrated *
0.909	130243	VB	0.395		0.000130	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.365	2.334	-1.3%

all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F0896.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-16, PH-08
 In Time Bar Code:
 Acquired on : 09 Dec 93 03:36 PM
 Report Created on: 21 Jan 94 03:05 PM
 Last Recalib on : 21 Jan 94 02:32 PM
 Multiplier : 1

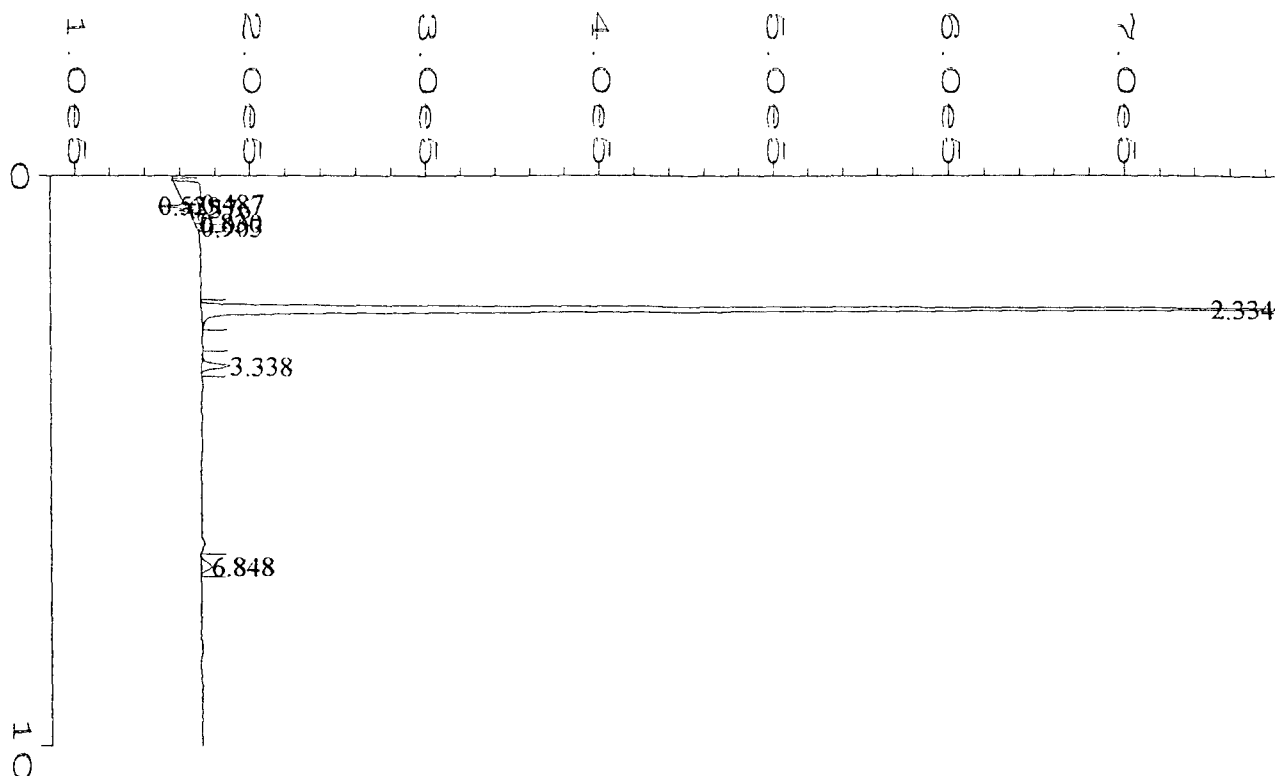
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

1 in A:\NV-F0896.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.764	* not found *			1		Benzene
2.339	3957847	BB	0.079	1-R	0.00107	a,a,a-TFT
3.382	* not found *			1		Toluene
6.519	* not found *			1		Ethylbenzene
6.922	* not found *			1		m & p-Xylene
8.338	* not found *			1		o-Xylene
0.530	43079	BV -	0.047		4.31E-005	* uncalibrated *
0.607	51820	PP -	0.054		5.18E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.365	2.339	-1.1%

all calibrated peaks were found



External Standard Report

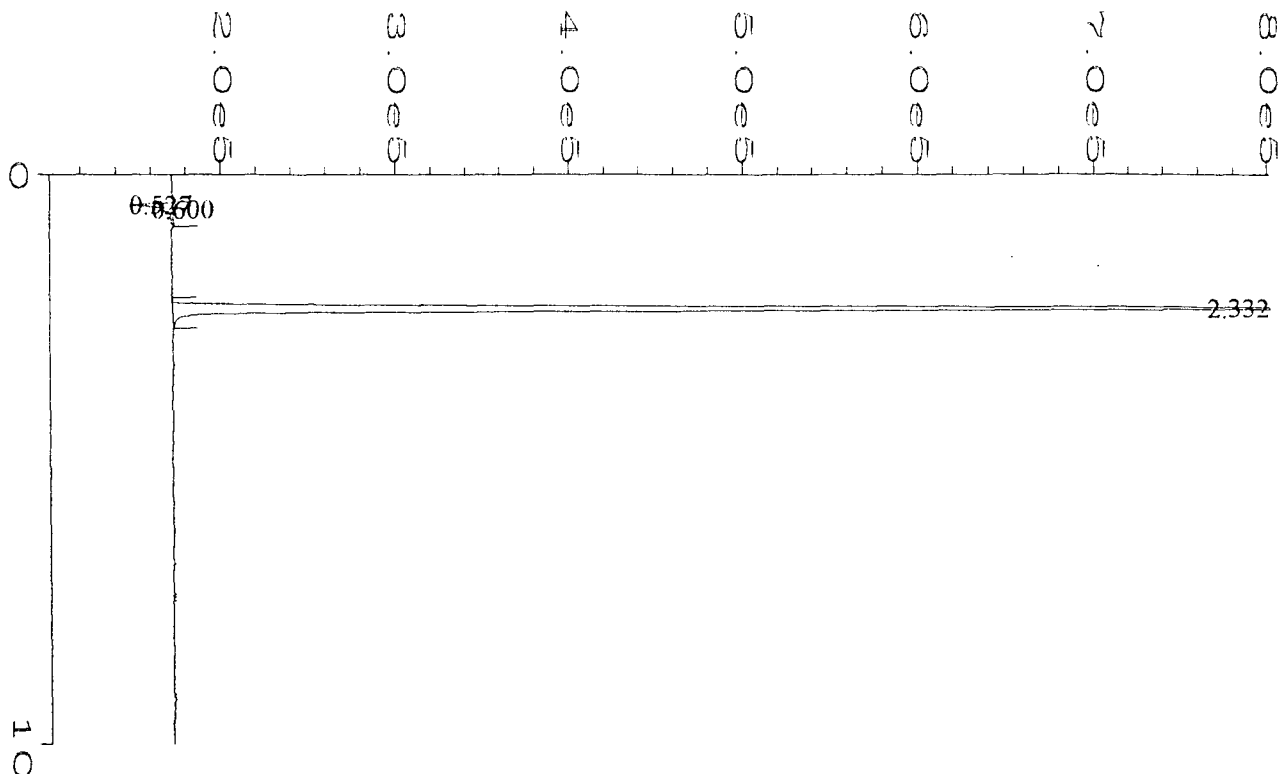
Data File Name : A:\NV-F0897.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-17, PH-09
 In Time Bar Code:
 Acquired on : 09 Dec 93 03:55 PM
 Report Created on: 21 Jan 94 03:06 PM
 Last Recalib on : 21 Jan 94 02:32 PM
 Multiplier : 1

Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F0897.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.764	* not found *			1		Benzene
2.334	3629190	BV	0.078	1-R	0.000981	a,a,a-TFT
3.338	97069	BV	0.089	1	1.057	Toluene
6.519	* not found *			1		Ethylbenzene
6.848	55468	BB	0.124	1	0.611	m & p-Xylene
8.338	* not found *			1		o-Xylene
0.487	283529	BP	0.359		0.000284	* uncalibrated *
0.529	29760	PP -	0.032		2.98E-005	* uncalibrated *
0.576	6741	PV -	0.000		6.74E-006	* uncalibrated *
0.830	36910	PV	0.169		3.69E-005	* uncalibrated *
0.903	14545	VB	0.084		1.45E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.365	2.334	-1.3%



External Standard Report

Data File Name : A:\NV-F0898.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-18, PH-09
 Run Time Bar Code:
 Acquired on : 09 Dec 93 04:15 PM
 Report Created on: 21 Jan 94 03:07 PM
 Last Recalib on : 21 Jan 94 02:32 PM
 Multiplier : 1

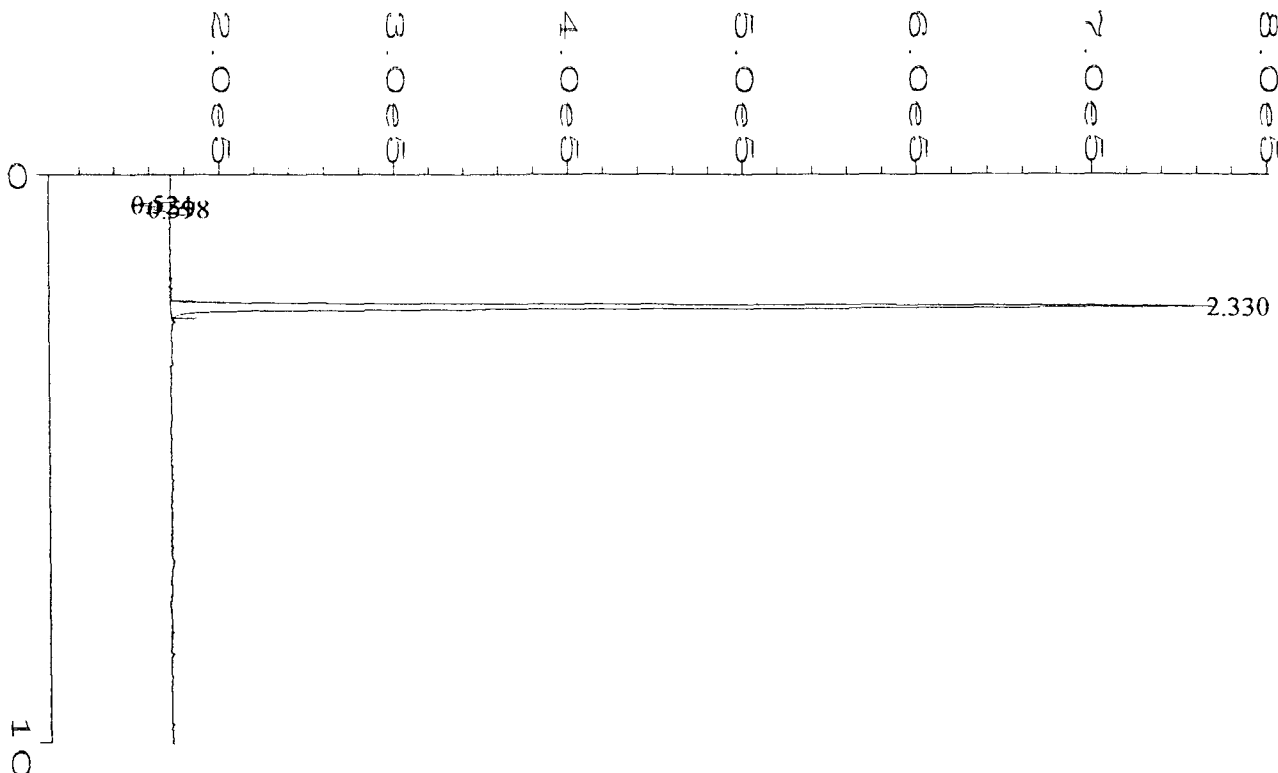
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F0898.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.764	* not found *			1		Benzene
2.332	3794603	BB	0.077	1-R	0.00103	a,a,a-TFT
3.382	* not found *			1		Toluene
6.519	* not found *			1		Ethylbenzene
6.922	* not found *			1		m & p-Xylene
8.338	* not found *			1		o-Xylene
0.527	73139	BV -	0.049		7.31E-005	* uncalibrated *
0.600	55640	PV -	0.066		5.56E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.365	2.332	-1.4%

all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F0901.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-19, PH-10
 In Time Bar Code:
 Acquired on : 09 Dec 93 04:30 PM
 Report Created on: 21 Jan 94 03:08 PM
 Last Recalib on : 21 Jan 94 02:32 PM
 Multiplier : 1

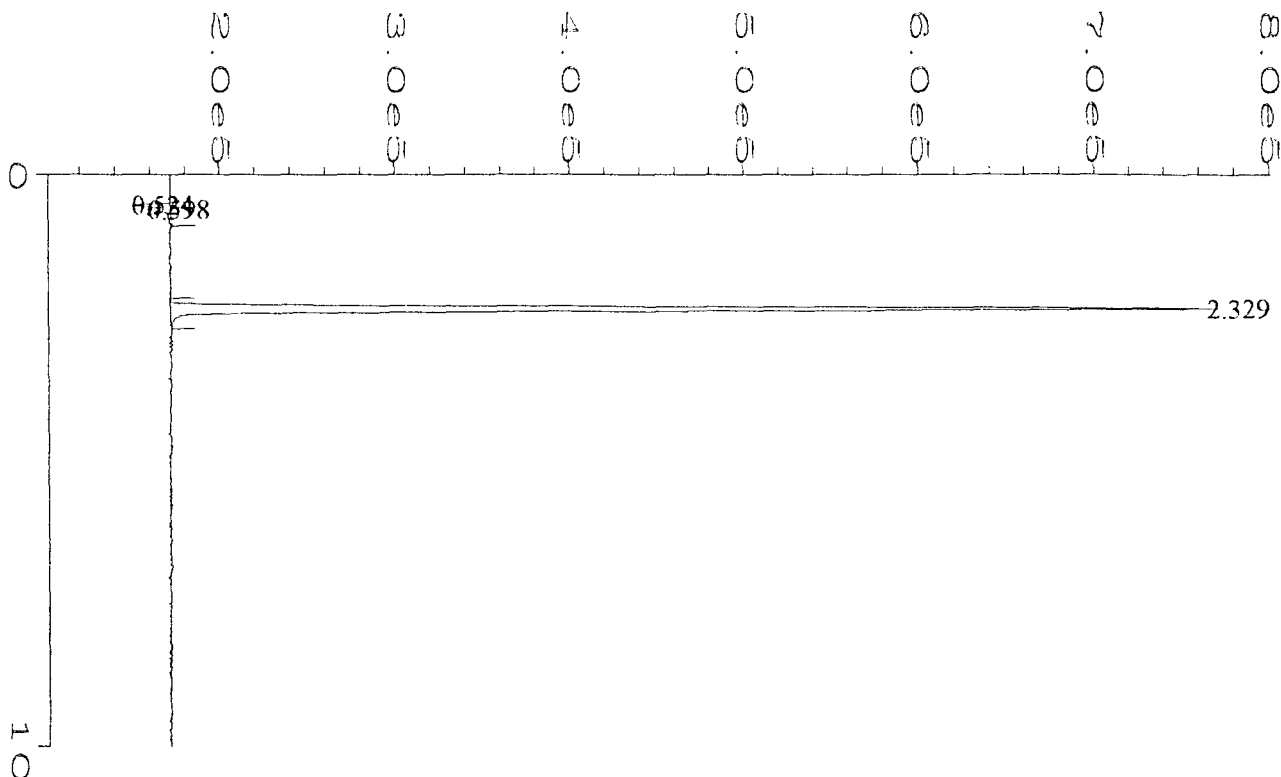
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Run 1 in A:\NV-F0901.D

Ret Time	Area	Type	Width	Re #	ug/L	Name
1.764	* not found *			1		Benzene
2.330	2935629	PV	0.076	1-R	0.000793	a,a,a-TFT
3.382	* not found *			1		Toluene
6.519	* not found *			1		Ethylbenzene
6.922	* not found *			1		m & p-Xylene
8.338	* not found *			1		o-Xylene
0.524	63417	BV -	0.047		6.34E-005	* uncalibrated *
0.598	40934	PV -	0.049		4.09E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.365	2.330	-1.5%

all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F0902.D

Operator :

Instrument : RECON GC

Sample Name : SG-20, PH-10

Run Time Bar Code:

Acquired on : 09 Dec 93 04:45 PM

Report Created on: 21 Jan 94 03:09 PM

Last Recalib on : 21 Jan 94 02:32 PM

Multiplier : 1

Page Number : 1

Vial Number :

Injection Number :

Sequence Line :

Instrument Method: BLOOMREF.MTH

Analysis Method : BLOOMREF.MTH

Sample Amount : 0

ISTD Amount :

Sig. 1 in A:\NV-F0902.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.764	* not found *			1		Benzene
2.329	2953453	PB	0.076	1-R	0.000798	a,a,a-TFT
3.382	* not found *			1		Toluene
6.519	* not found *			1		Ethylbenzene
6.922	* not found *			1		m & p-Xylene
8.338	* not found *			1		o-Xylene
0.524	61419	BV -	0.047		6.14E-005	* uncalibrated *
0.598	55419	PV -	0.062		5.54E-005	* uncalibrated *

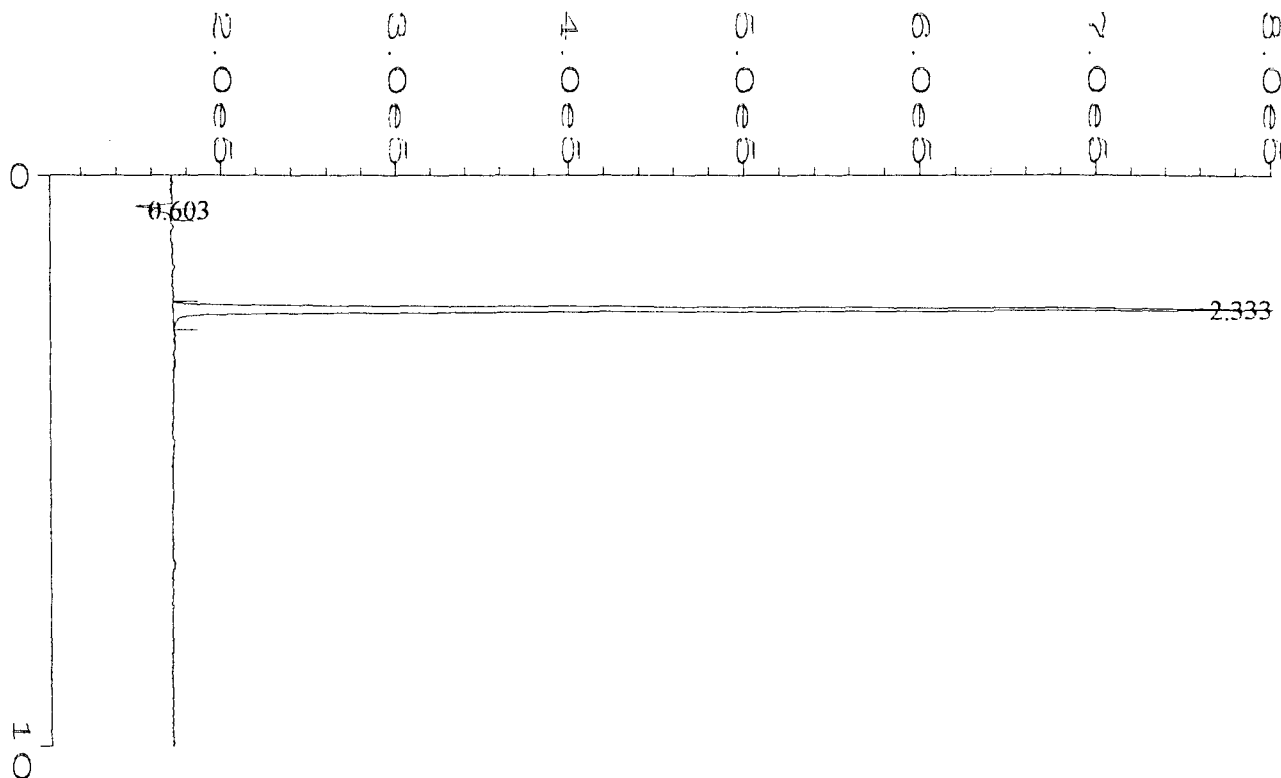
Time Reference Peak
2

Expected RT
2.365

Actual RT
2.329

Difference
-1.5%

Not all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F0903.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-20(D), PH-10
 Run Time Bar Code:
 Acquired on : 09 Dec 93 04:59 PM
 Report Created on: 21 Jan 94 03:10 PM
 Last Recalib on : 21 Jan 94 02:32 PM
 Multiplier : 1

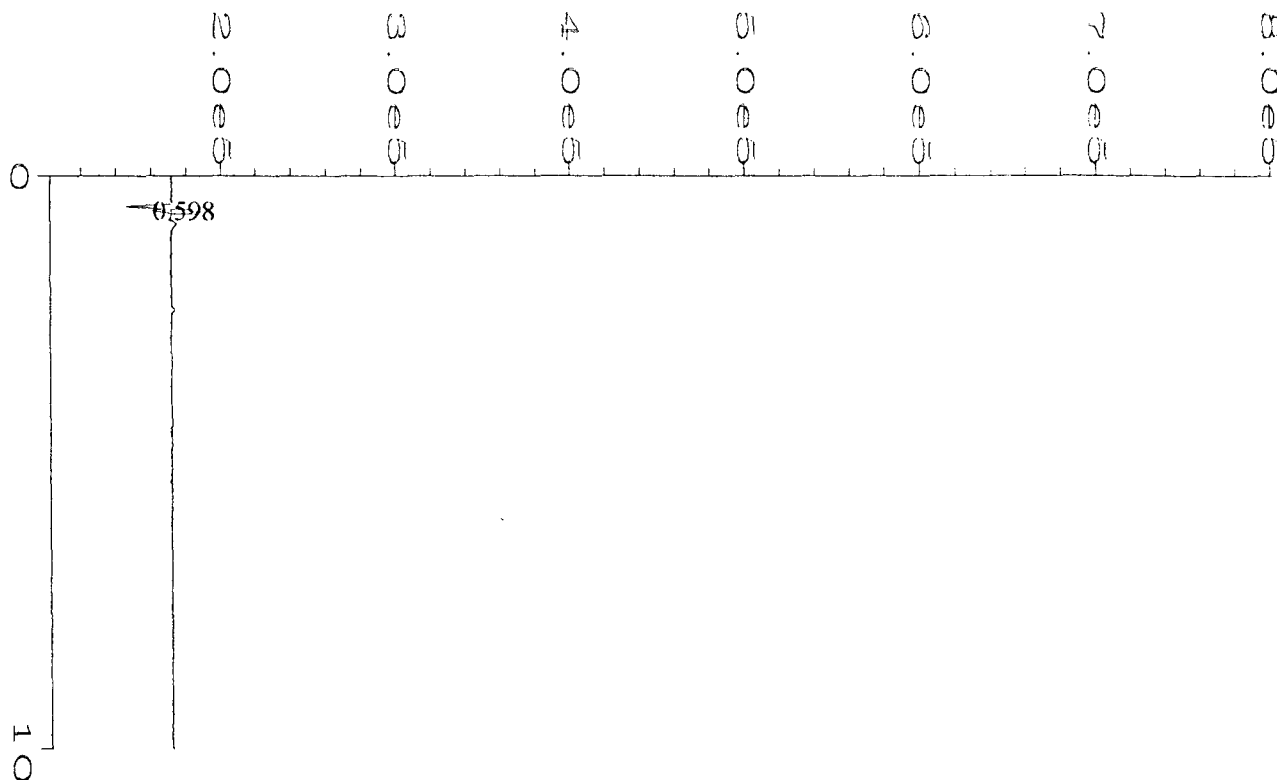
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Sig. 1 in A:\NV-F0903.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.764	* not found *			1		Benzene
2.333	3246764	BV	0.078	1-R	0.000877	a,a,a-TFT
3.382	* not found *			1		Toluene
6.519	* not found *			1		Ethylbenzene
6.922	* not found *			1		m & p-Xylene
8.338	* not found *			1		o-Xylene
0.603	42820	PV -	0.056		4.28E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.365	2.333	-1.4%

Not all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F0904.D
 Operator :
 Instrument : RECON GC
 Sample Name : BLANK-04
 Run Time Bar Code:
 Acquired on : 09 Dec 93 05:12 PM
 Report Created on: 21 Jan 94 03:11 PM
 Last Recalib on : 21 Jan 94 02:32 PM
 Multiplier : 1

Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Sig. 1 in A:\NV-F0904.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.764	* not found *			1		Benzene
2.365	* not found *			1-R		a,a,a-TFT
3.382	* not found *			1		Toluene
6.519	* not found *			1		Ethylbenzene
6.922	* not found *			1		m & p-Xylene
8.338	* not found *			1		o-Xylene
0.598	26946	PV - 0.043			2.69E-005	* uncalibrated *

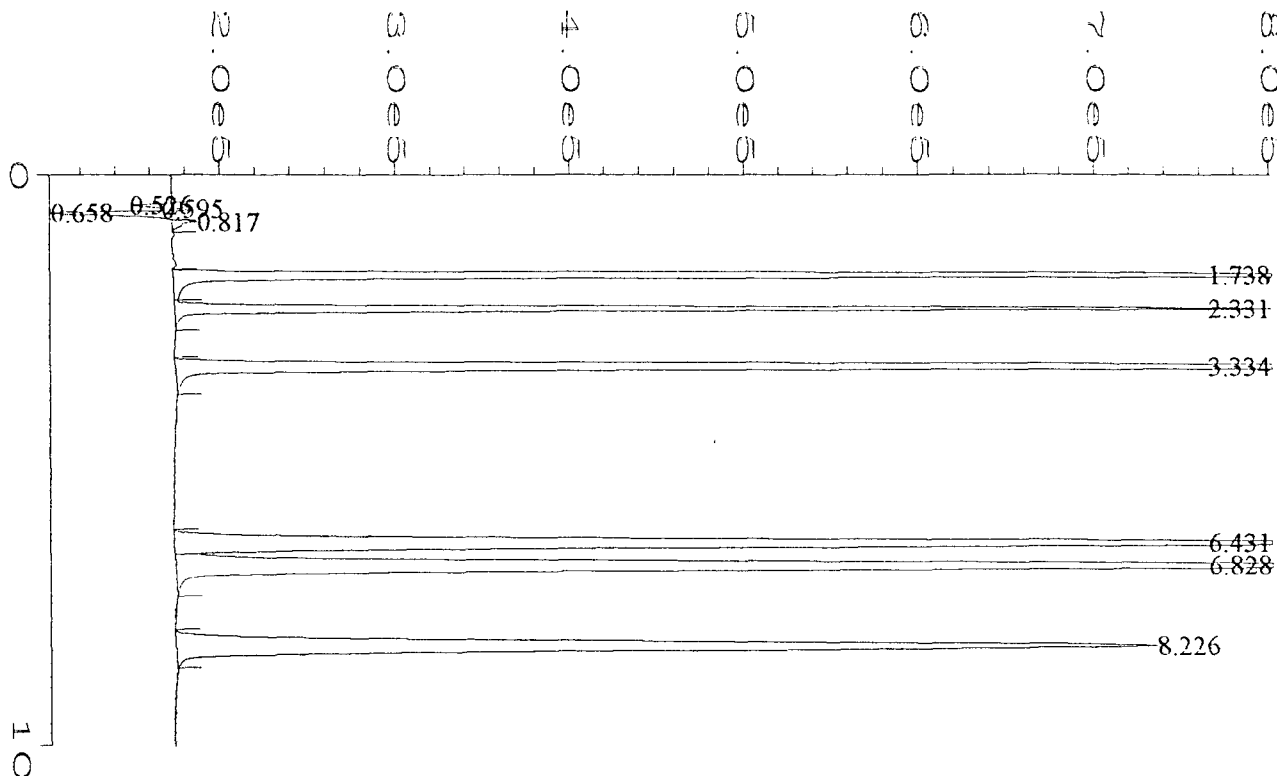
Time Reference Peak	Expected RT	Actual RT	Difference
2	2.365	* not found *	

Could not find time reference peak:

No peak of Number 2's description at 2.365 + 0.083 - 0.083 min.

Not all time reference peaks were found

Not all calibrated peaks were found



External Standard Report

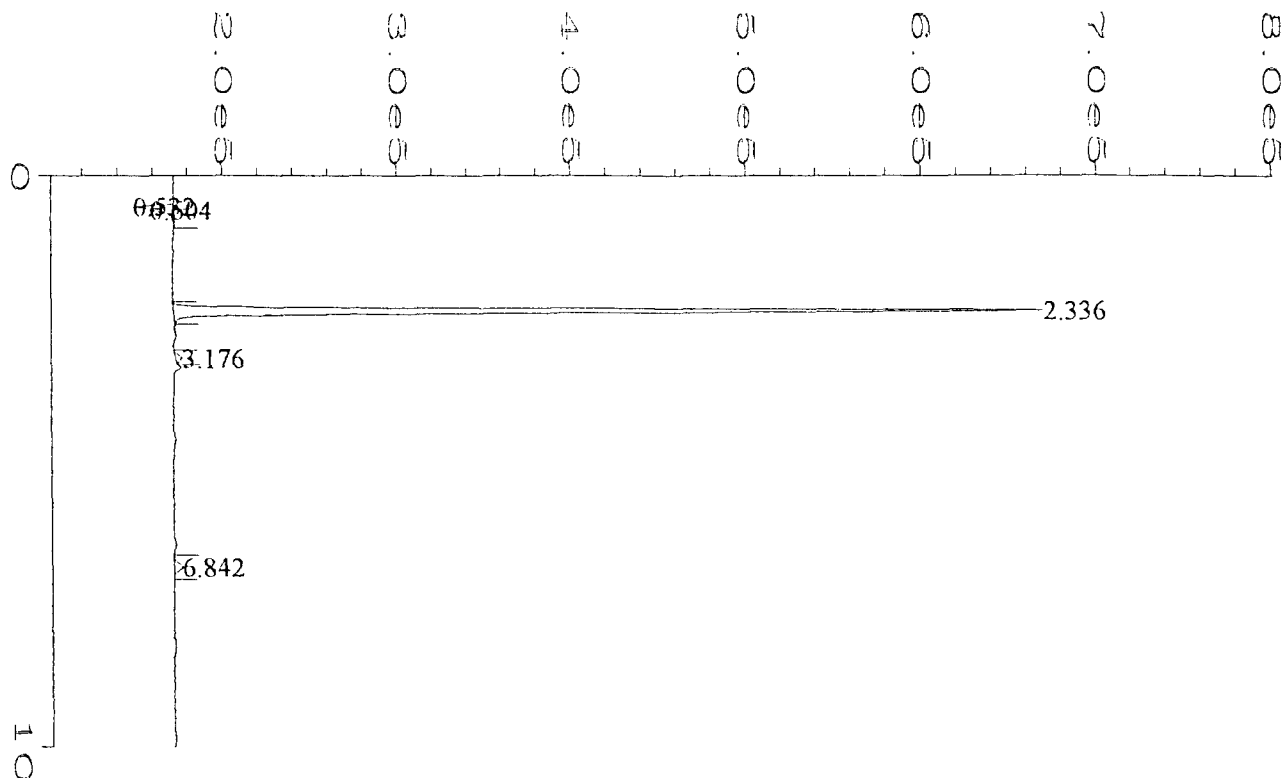
Data File Name : A:\NV-F0905.D
 Operator :
 Instrument : RECON GC
 Sample Name : STD-1209-04
 Run Time Bar Code:
 Acquired on : 09 Dec 93 05:27 PM
 Report Created on: 21 Jan 94 03:12 PM
 Last Recalib on : 21 Jan 94 02:32 PM
 Multiplier : 1

Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Sig. 1 in A:\NV-F0905.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.738	9112937	PV	0.061	1	92.793	Benzene
2.331	3230230	VB	0.078	1-R	0.000873	a,a,a-TFT
3.334	8594711	BV	0.087	1	93.574	Toluene
6.431	7070144	BV	0.140	1	89.096	Ethylbenzene
6.828	7781752	VB	0.146	1	85.707	m & p-Xylene
8.226	6143153	BV	0.171	1	83.585	o-Xylene
0.526	71479	BV -	0.051		7.15E-005	* uncalibrated *
0.595	12307	PV -	0.036		1.23E-005	* uncalibrated *
0.658	320120	PP -	0.075		0.000320	* uncalibrated *
0.817	62025	PV	0.061		6.20E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.365	2.331	-1.4%



External Standard Report

Data File Name : A:\NV-F0907.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-21, PH-11
 Run Time Bar Code:
 Acquired on : 09 Dec 93 05:49 PM
 Report Created on: 21 Jan 94 03:13 PM
 Last Recalib on : 21 Jan 94 02:32 PM
 Multiplier : 1

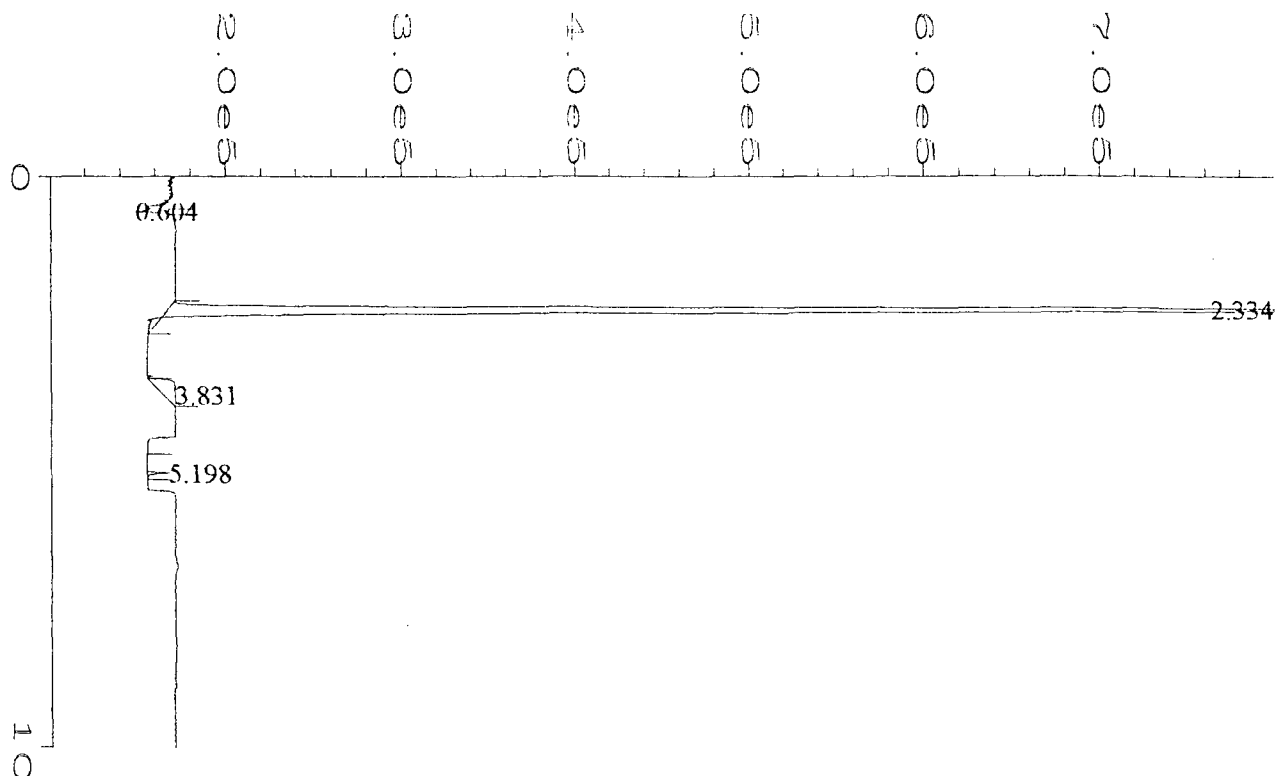
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Sig. 1 in A:\NV-F0907.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.764	* not found *			1		Benzene
2.336	2515845	VV	0.078	1-R	0.000680	a,a,a-TFT
3.382	* not found *			1		Toluene
6.519	* not found *			1		Ethylbenzene
6.842	44237	BB	0.123	1	0.487	m & p-Xylene
8.338	* not found *			1		o-Xylene
0.532	70395	BV -	0.051		7.04E-005	* uncalibrated *
0.604	56320	PV -	0.059		5.63E-005	* uncalibrated *
3.176	25732	PV	0.084		2.57E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.365	2.336	-1.2%

Not all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F0908.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-22, PH-11
 Run Time Bar Code:
 Acquired on : 09 Dec 93 06:09 PM
 Report Created on: 21 Jan 94 03:14 PM
 Last Recalib on : 21 Jan 94 02:32 PM
 Multiplier : 1

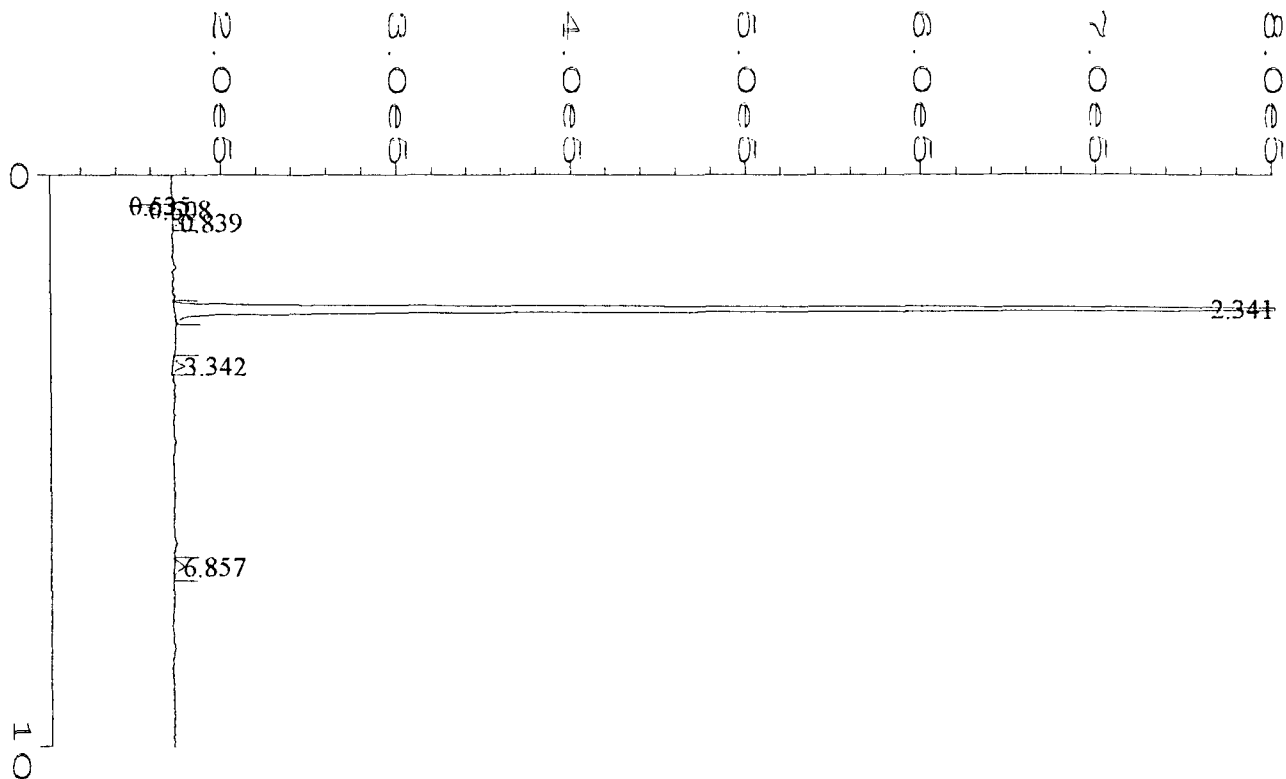
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Sig. 1 in A:\NV-F0908.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.764	* not found *			1		Benzene
2.334	4683280	BB	0.077	1-R	0.00127	a,a,a-TFT
3.382	* not found *			1		Toluene
6.519	* not found *			1		Ethylbenzene
6.922	* not found *			1		m & p-Xylene
8.338	* not found *			1		o-Xylene
0.604	55383	PP -	0.043		5.54E-005	* uncalibrated *
3.831	215749	BB	0.452		0.000216	* uncalibrated *
5.198	22350	BB	0.029		2.24E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.365	2.334	-1.3%

Not all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F0909.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-23, PH-12
 Run Time Bar Code:
 Acquired on : 09 Dec 93 06:21 PM
 Report Created on: 21 Jan 94 03:15 PM
 Last Recalib on : 21 Jan 94 02:32 PM
 Multiplier : 1

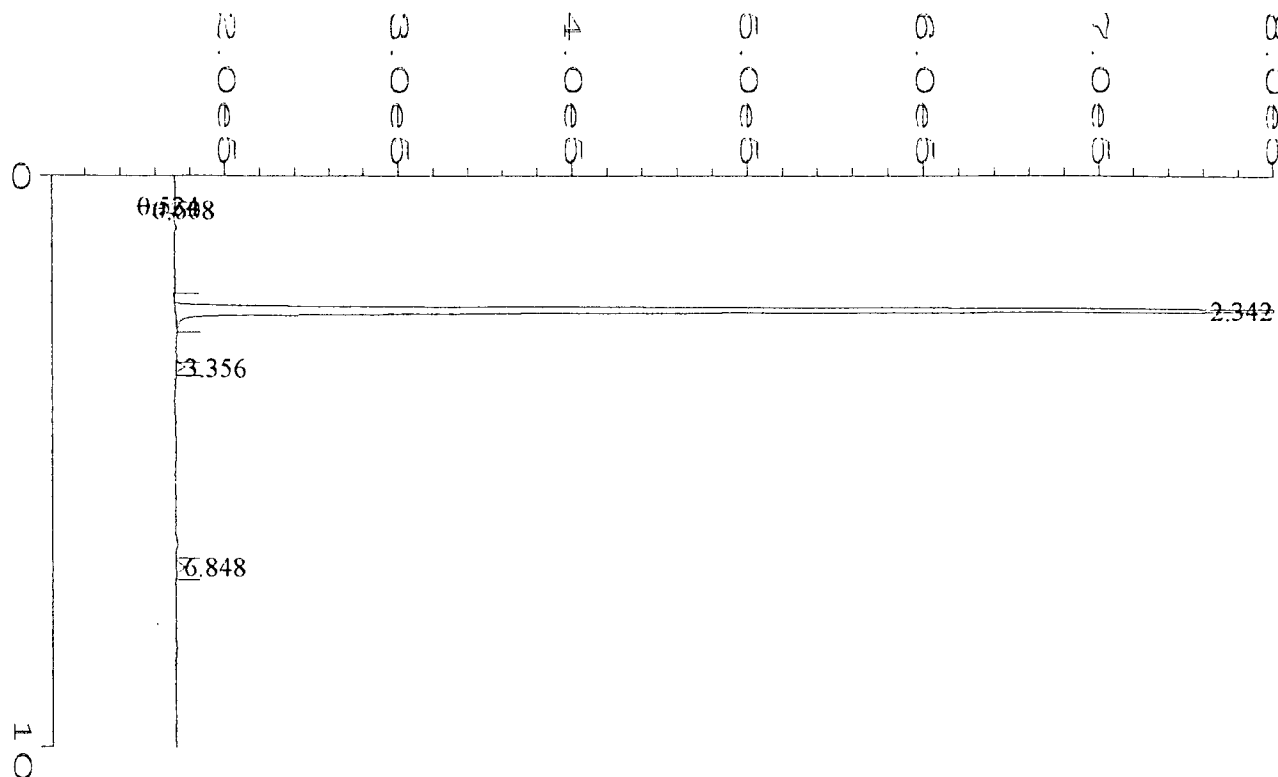
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Sig. 1 in A:\NV-F0909.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.764	* not found *			1		Benzene
2.341	4595939	BV	0.079	1-R	0.00124	a,a,a-TFT
3.342	52801	BV	0.105	1	0.575	Toluene
6.519	* not found *			1		Ethylbenzene
6.857	51384	BB	0.116	1	0.566	m & p-Xylene
8.338	* not found *			1		o-Xylene
0.535	76991	BV -	0.051		7.70E-005	* uncalibrated *
0.608	40768	PV -	0.051		4.08E-005	* uncalibrated *
0.839	24471	PV	0.080		2.45E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.365	2.341	-1.0%

Not all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F0910.D

Operator :

Instrument : RECON GC

Sample Name : SG-24, PH-12

Run Time Bar Code:

Acquired on : 09 Dec 93 06:35 PM

Report Created on: 21 Jan 94 03:16 PM

Last Recalib on : 21 Jan 94 02:32 PM

Multiplier : 1

Page Number : 1

Vial Number :

Injection Number :

Sequence Line :

Instrument Method: BLOOMREF.MTH

Analysis Method : BLOOMREF.MTH

Sample Amount : 0

ISTD Amount :

Sig. 1 in A:\NV-F0910.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.764	* not found *			1		Benzene
2.342	4691758	BB	0.079	1-R	0.00127	a,a,a-TFT
3.356	31258	VB	0.083	1	0.340	Toluene
6.519	* not found *			1		Ethylbenzene
6.848	40686	BB	0.114	1	0.448	m & p-Xylene
8.338	* not found *			1		o-Xylene
0.534	63531	BV -	0.050		6.35E-005	* uncalibrated *
0.608	42314	PV -	0.054		4.23E-005	* uncalibrated *

Time Reference Peak

2

Expected RT

2.365

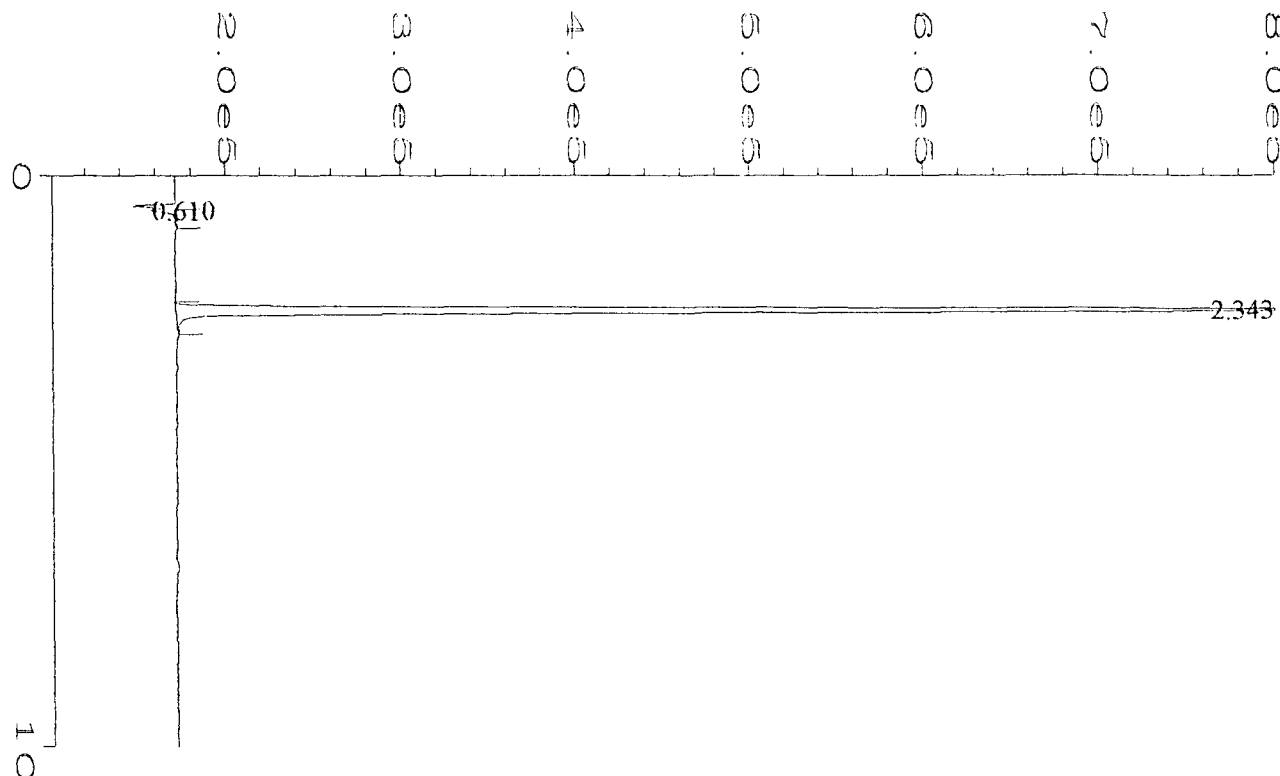
Actual RT

2.342

Difference

-1.0%

Not all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F0911.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-25, PH-13
 Run Time Bar Code:
 Acquired on : 09 Dec 93 06:50 PM
 Report Created on: 21 Jan 94 03:17 PM
 Last Recalib on : 21 Jan 94 02:32 PM
 Multiplier : 1

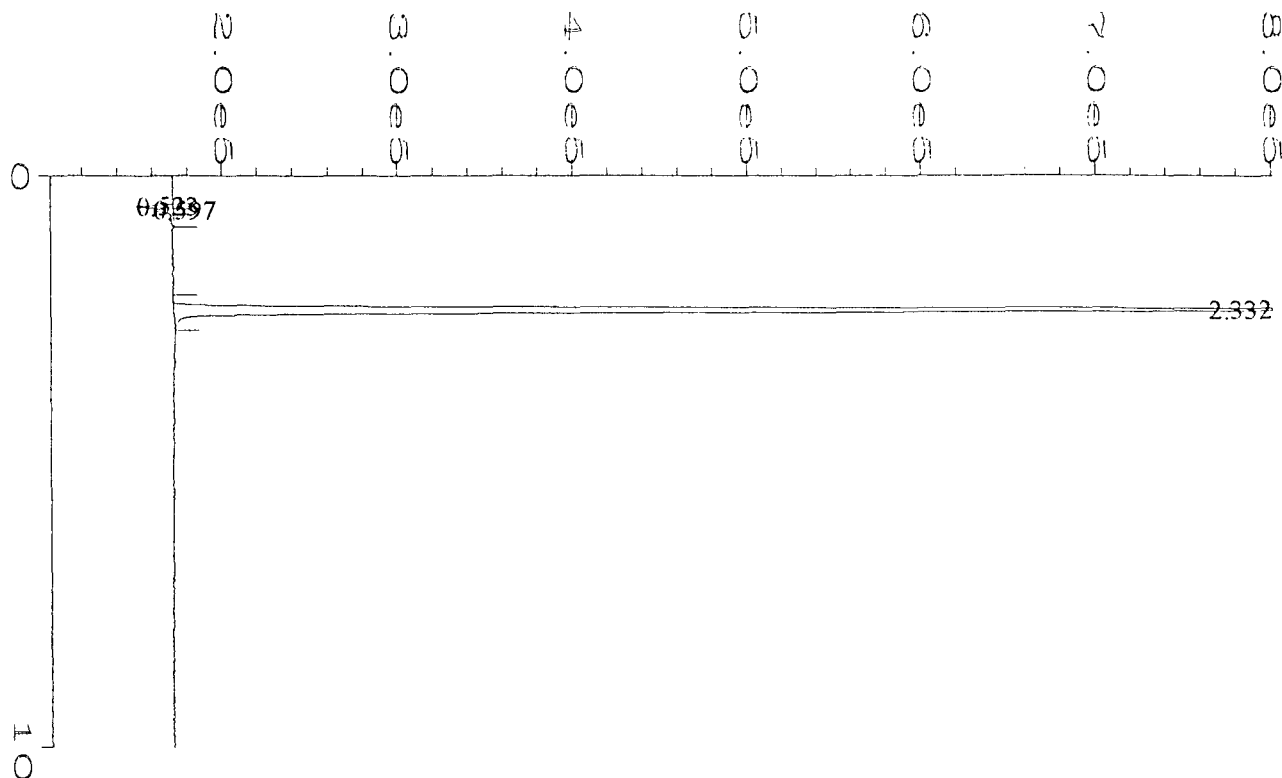
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Sig. 1 in A:\NV-F0911.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.764	* not found *			1		Benzene
2.343	4239921	BB	0.079	1-R	0.00115	a,a,a-TFT
3.382	* not found *			1		Toluene
6.519	* not found *			1		Ethylbenzene
6.922	* not found *			1		m & p-Xylene
8.338	* not found *			1		o-Xylene
0.610	55324	PV	0.069		5.53E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.365	2.343	-0.9%

Not all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F0912.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-26, PH-13
 Run Time Bar Code:
 Acquired on : 09 Dec 93 07:05 PM
 Report Created on: 21 Jan 94 03:18 PM
 Last Recalib on : 21 Jan 94 02:32 PM
 Multiplier : 1

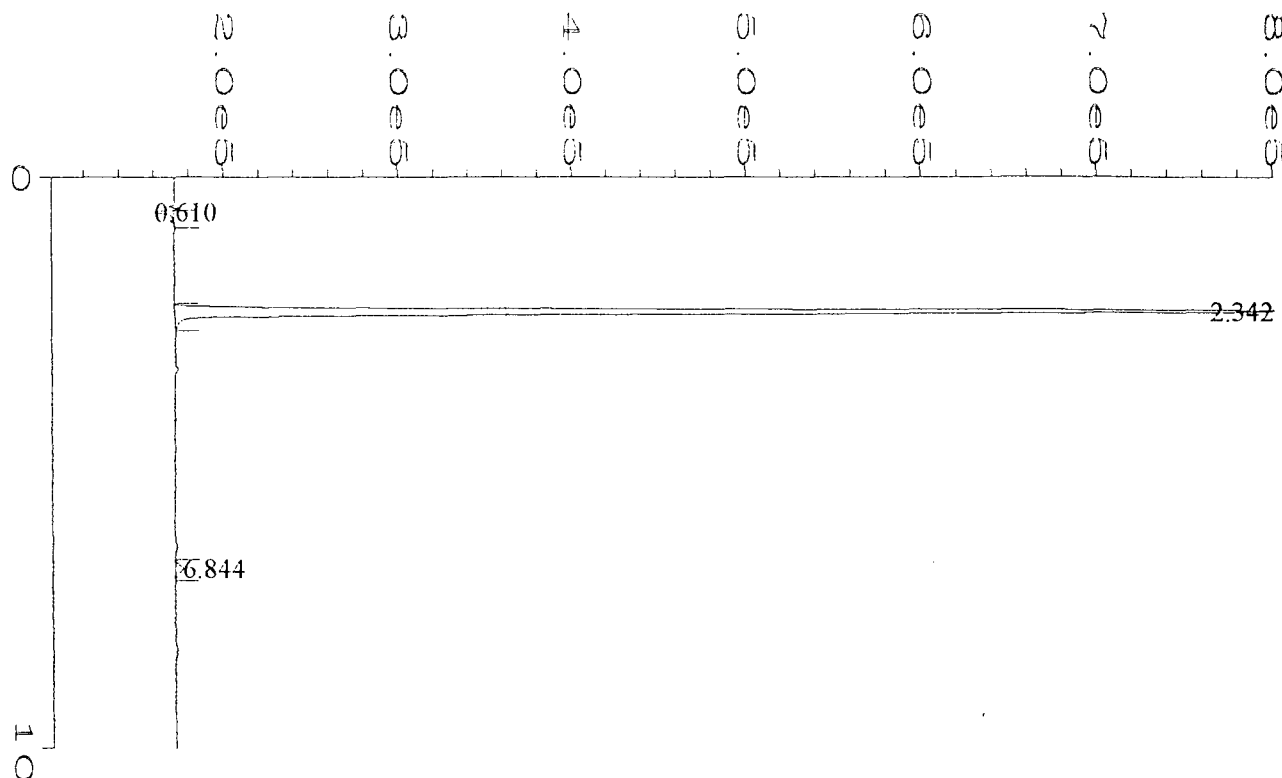
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Sig. 1 in A:\NV-F0912.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.764	* not found *			1		Benzene
2.332	4145432	BB	0.077	1-R	0.00112	a,a,a-TFT
3.382	* not found *			1		Toluene
6.519	* not found *			1		Ethylbenzene
6.922	* not found *			1		m & p-Xylene
8.338	* not found *			1		o-Xylene
0.523	58834	BV -	0.048		5.88E-005	* uncalibrated *
0.597	53165	PV -	0.066		5.32E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.365	2.332	-1.4%

Not all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F0913.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-27, PH-14
 Run Time Bar Code:
 Acquired on : 09 Dec 93 07:21 PM
 Report Created on: 21 Jan 94 03:19 PM
 Last Recalib on : 21 Jan 94 02:32 PM
 Multiplier : 1

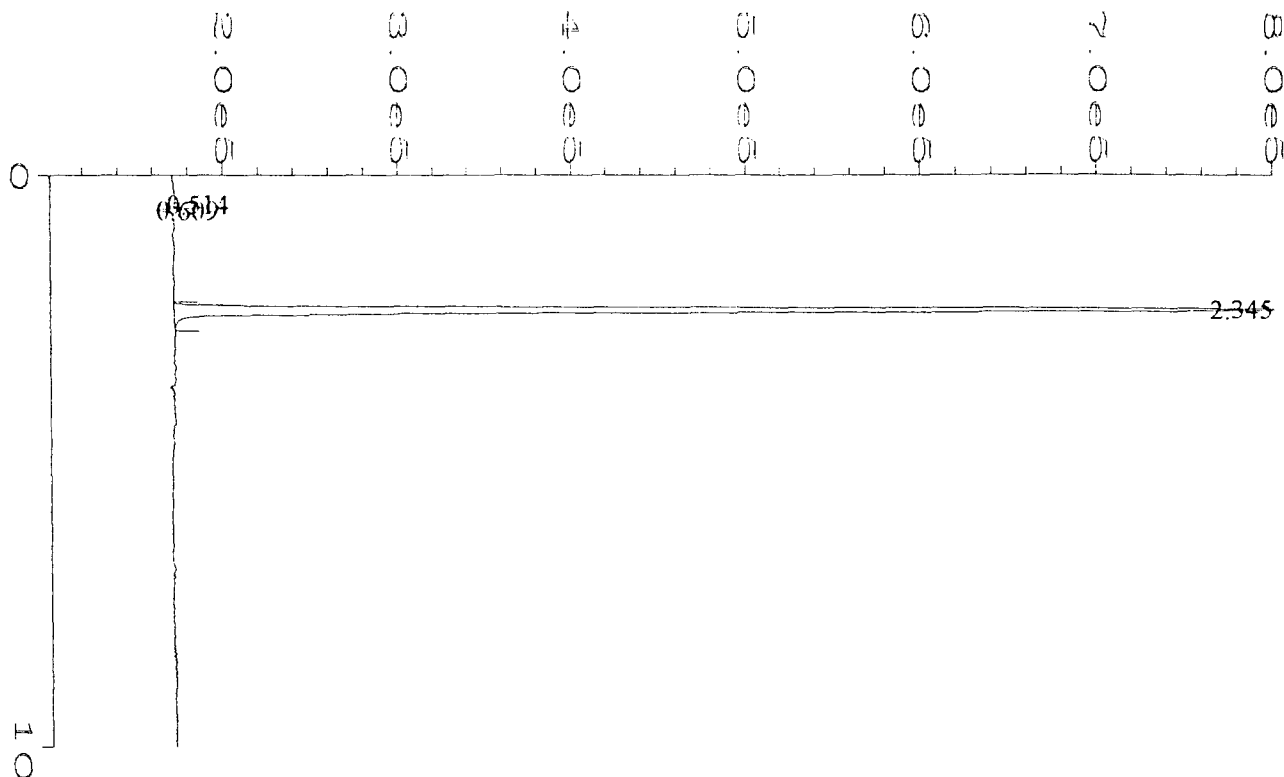
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Sig. 1 in A:\NV-F0913.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.764	* not found *			1		Benzene
2.342	3790261	BV	0.080	1-R	0.00102	a,a,a-TFT
3.382	* not found *			1		Toluene
6.519	* not found *			1		Ethylbenzene
6.844	41866	BB	0.120	1	0.461	m & p-Xylene
8.338	* not found *			1		o-Xylene
0.610	44081	PV	0.061		4.41E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.365	2.342	-1.0%

Not all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F0915.D

Operator :

Instrument : RECON GC

Sample Name : SG-28, PH-14

Run Time Bar Code:

Acquired on : 09 Dec 93 07:50 PM

Report Created on: 21 Jan 94 03:19 PM

Last Recalib on : 21 Jan 94 02:32 PM

Multiplier : 1

Page Number : 1

Vial Number :

Injection Number :

Sequence Line :

Instrument Method: BLOOMREF.MTH

Analysis Method : BLOOMREF.MTH

Sample Amount : 0

ISTD Amount :

Sig. 1 in A:\NV-F0915.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.764	* not found *			1		Benzene
2.345	4043275	BB	0.080	1-R	0.00109	a,a,a-TFT
3.382	* not found *			1		Toluene
6.519	* not found *			1		Ethylbenzene
6.922	* not found *			1		m & p-Xylene
8.338	* not found *			1		o-Xylene
0.514	5020	BV -	0.021		5.02E-006	* uncalibrated *
0.609	28712	VV -	0.049		2.87E-005	* uncalibrated *

Time Reference Peak

2

Expected RT

2.365

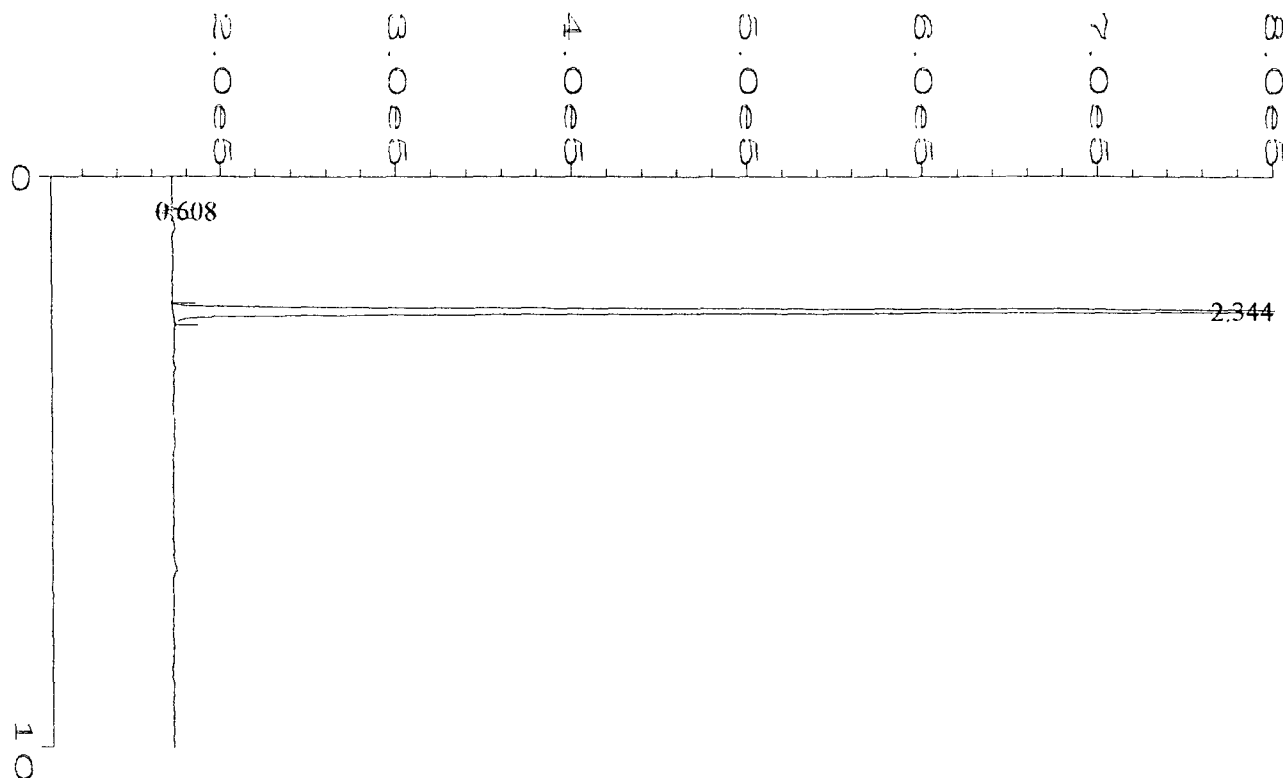
Actual RT

2.345

Difference

-0.8%

Not all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F0916.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-28(D), PH-14
 Run Time Bar Code:
 Acquired on : 09 Dec 93 08:03 PM
 Report Created on: 21 Jan 94 03:20 PM
 Last Recalib on : 21 Jan 94 02:32 PM
 Multiplier : 1

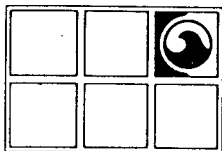
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Sig. 1 in A:\NV-F0916.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.764	* not found *			1		Benzene
2.344	4017941	BV	0.079	1-R	0.00109	a,a,a-TFT
3.382	* not found *			1		Toluene
6.519	* not found *			1		Ethylbenzene
6.922	* not found *			1		m & p-Xylene
8.338	* not found *			1		o-Xylene
0.608	28878	PV -	0.052		2.89E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.365	2.344	-0.9%

Not all calibrated peaks were found



GROUNDWATER TECHNOLOGY

Groundwater Technology, Inc.

February 11, 1994

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US EPA Region VI
RCRA Technical Enforcement
First International Building
1445 Ross Avenue, Suite 1200
Dallas, Texas 75202

Attn: Mr. Greg Lyssy

Re: Results of Implementation of Phase I, of the RFI Workplan -Soil Vapor Survey- at the Bloomfield Refining Company, Bloomfield, New Mexico

Dear Mr. Lyssy:

The subject soil vapor survey was conducted between December 9 and 12, 1993 by Burlington Environmental, Inc. Enclosed is a copy of the soil gas report, and a map of the site summarizing the results. A representative of Groundwater Technology was onsite during the survey.

In accordance with the RFI workplan, soil gas measurements were collected from shallow (3 to 4 feet) and deep (7.5 to 10 feet) probes at forty-two (42) soil vapor sampling stations. Due to obstructions, soil vapor measurements were not collected at approximately 4 soil gas stations identified in the RFI work plan. Additional sampling locations, however were identified and substituted to enhance the definition of the impacted area at the site. The soil gas survey appears to have confirmed the previously suspected extent of impact beneath the site. The soil gas survey identified impact to: the area of the flare, the roadway south of tanks 11 and 12, and the area surrounding tanks 24 through 28. Therefore, the positions of soil borings or monitoring wells indicated in the RFI workplan (Phases II and III) will not be altered by these results.

If you have any questions regarding this matter, please call me or Ms. Cymantha Liakos at (505) 242-3113.

Sincerely,

Groundwater Technology, Inc.

Charles W. Schick, PG
Hydrogeologist

copy: Mr. Chris Hawley, Bloomfield Refining, Co.
Mr. Ed Horst NMED, Letter only
Mr. Roger Anderson NMED-OCD, Letter only
Project File

**RECON® Soil-Gas Survey
Bloomfield Refinery
Bloomfield, New Mexico**

February 2, 1994

Prepared for:

**Bloomfield Refining Company
Bloomfield, New Mexico**

Project Number
11333

**BURLINGTON ENVIRONMENTAL INC.
3010 Greens Road
Houston, Texas 77032**

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1.0 INTRODUCTION

At the request of Bloomfield Refining Company (Bloomfield), Burlington Environmental Inc. (Burlington) conducted a RECON® soil-gas survey at the Bloomfield Refinery located in Bloomfield, New Mexico. The RECON survey was performed on December 9, 10, 11 and 12, 1993.

A total of 83 soil-gas samples were collected from 42 probe hole locations at the site. These soil-gas samples were analyzed on-site for the following constituents:

- Benzene;
- Toluene;
- Ethylbenzene;
- *Meta-* and *Para*-Xylene; and
- *Ortho*-Xylene.

The soil-gas samples were collected at locations selected by Groundwater Technology, Inc. (GTI) which was Bloomfield's on-site environmental consultant for the project. The sampling locations were selected based on the location of on-site utilities, vehicle accessibility, the inferred direction of groundwater flow, and the suspected presence of petroleum hydrocarbons in the soil. Upon completion of the RECON survey, the sampling locations were recorded by GTI personnel.

The sample analytical results, chromatography field analysis work sheets, and sample chromatograms are contained in Appendices A, B, and C, respectively. In addition, total volatile organic content (TVOC) was hand calculated for each sample from the sample chromatogram. These calculations have been included on the sample analytical results in Appendix A.

2.0 VOLATILE HYDROCARBON ANALYSIS

The samples were prepared and analyzed using field modifications to United States Environmental Protection Agency (USEPA) SW-846 Method 3810 (static headspace screening) and Method 8020 for aromatic volatile organic analysis. The field modifications provide USEPA Level II field screening data for establishing the identity and relative concentration of compounds detected.

A Hewlett-Packard Model 5890A Series II gas chromatograph (GC) was used for the analysis of the samples. Compound separation and detection were performed using a 30-meter, wide-bore DB-624 capillary column and a flame ionization detector (FID).

Each analysis was performed with a GC temperature of 60° Centigrade (C). The total analysis time for each sample was 10 minutes.

Sample component concentrations were measured based on an external standard calibration. A known concentration of benzene, toluene, ethylbenzene, *meta*- and *para*-xylene and *ortho*-xylene (BTEX) was injected as a calibration gas mixture into the GC. Compound peak areas versus standard concentrations were used to calculate sample concentrations. The computing integrator performs the calculation but will occasionally mislabel a peak and the calculation must be performed by hand. Compound identification was based on comparison of target compound retention times with sample retention times. A reference peak compound, α,α,α -trifluorotoluene (α,α,α -TFT), was added to each sample as an internal standard to aid in target compound identification. Sample matrices and coeluting compounds can make peak recognition and identification difficult. Therefore, compounds are considered as tentatively identified.

The lower quantifiable limit (LQL) is the lowest concentration of a compound that can be practicably measured relative to the calibration standard. Quantifiable limits are a function of the injection volume and the detector sensitivity. The LQL is calculated from the current target compound response factor, sample size, and the estimated peak area that would have been detected under the given conditions. For this survey, the LQL for the target compounds was 3 micrograms per liter ($\mu\text{g/L}$) of soil-gas vapor analyzed.

Analytical results for the samples analyzed by this technique will not necessarily be the same as those obtained by submitting the same samples for laboratory analysis. Different techniques are used in each case, and although method sensitivities and accuracies are comparable, different results are possible.

3.0 SOIL-GAS SAMPLING AND ANALYSIS

A hydraulic driving unit was used to drive and withdraw the soil-gas sampling probe. A hydraulic hammer was used where necessary to assist in driving the probes through unusually hard soil. The soil-gas sampling equipment consisted of 3-foot sections of 1-inch diameter threaded steel pipes fitted with a detachable drive point.

After the soil-gas sampling probe was driven to the desired sampling depth, the in-situ gas sample was withdrawn through the probe rods using the vacuum pump inside the RECON van and captured in an air-tight gas sampling bulb. The gas sampling bulb was then given to the GC technician for on-site analysis.

The sample bulb was heated on top of the GC for one minute. An internal standard of α,α,α -TFT was then added to the sample bulb and an aliquot of up to 500 microliters of the

soil-gas vapor was collected by inserting a syringe through the septum of the vial and pulling the headspace into the syringe. The aliquot of vapor was then injected directly into the GC. The results of the soil-gas analyses for BTEX are presented in Appendix A.

4.0 FIELD ANALYTICAL QUALITY CONTROL

4.1 Standards and Calibration

The GC was calibrated prior to sample analysis using a single-point external standard calibration procedure. A known concentration of the target compound was prepared as a gas-phase standard.

A calibration check was performed periodically during the on-site analysis by analyzing an aliquot of the calibration standard. The calibration check is used to validate target compound retention times and sample recoveries.

An internal reference peak compound, α,α,α -TFT, is added to all samples to aid in target compound identification. This reference compound serves to increase the accuracy of target compound recognition and provides qualitative sample injection information. The α,α,α -TFT is used as an internal reference peak compound because of the unlikely detection of the compound in samples collected on-site.

4.2 System Blanks

A chromatographic system blank is analyzed at the beginning of each survey day prior to calibration and analysis of samples. The system blank is used as a means of assuring that sample carryover has not occurred. In addition, a system blank is analyzed after every ten samples, or at least once daily for each survey. If sample carryover has occurred, the concentration detected in the system blank can be subtracted from any subsequent samples containing the compound. Analytical results for blanks are presented in Appendix A with the sample results.

4.3 Sample Duplicates

A duplicate sample analysis is performed after every ten samples, or at least once daily for each survey. The duplicate analysis serves to demonstrate analytical reproducibility. Duplicate sample results of plus or minus 20 percent of the original sample results are considered acceptable. Analytical results for duplicates are presented in Appendix A with the sample results.

5.0 ANALYTICAL QUALITY ASSURANCE

Quality assurance was performed by implementing the following procedures:

1. Review all raw data sheets, chromatograms, field sampling and analysis work sheets.
2. Note chromatographic abnormalities.
3. Correlate sample identification, injection volumes and dilution multipliers on work sheets and chromatograms.
4. Tentatively identified target compounds are reviewed and reverse response factor evaluation performed to detect possible quantitative errors due to the computing integrator, target compound mismatch, manual calculations or incorrect calibration parameters.
5. Archive raw data, work sheets, chromatograms, and the final report.

6.0 LIMITATIONS OF SCREENING SURVEY

This limited site-screening survey has been performed for Bloomfield for its use in evaluating potential subsurface contamination at the subject site. This report has been prepared to summarize the soil-gas data that was generated during the survey.

Burlington warrants that this work has been performed according to generally accepted practices for the screening of soil-gas for petroleum hydrocarbons and according to the scope of work authorized by Bloomfield. No other warranty, expressed or implied, is made for the information contained in this report. This report has not been prepared for use by parties other than Bloomfield or its agents nor for uses other than those stated above.

Our services were limited to the generation of screening data and reporting of results. Scientific or engineering application of these data was not a part of our scope of work for the project. The data presented in this report are based on samples collected on the date, at the locations and under the conditions described herein. This information is point-specific and may not be representative of conditions existing over the entire site. Variations may be expected with distance away from the sampling points and variations may also occur with time.

APPENDIX A

Soil-Gas Field Analytical Results

Table 1

Burlington Environmental
Analytical Results

12-9-93	Project # 11333	Project Name :	Bloomfield-Refinery	File :	BLVDRDAT.WKS				
Sample I.D.	Probe Hole	Depth (feet)	Concentration (µg/L)					TVOC	Comments
			Benzene	Toluene	Ethylbenzene	m&p-Xylene	o-Xylene		
BLANK-01	NA	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	QC-System Blank
BLANK-02	NA	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	QC-Probe Rod Blank
SG-01	PH-01	3	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	Soil Gas
SG-02	PH-01	10	16	4	ND (1)	ND (1)	ND (1)	73	Soil Gas
SG-03	PH-02	3	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	1	Soil Gas
SG-04	PH-02	8.5	121	38	35	ND (1)	6	1832	Soil Gas
SG-05	PH-03	3	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	Soil Gas
SG-06	PH-03	8.5	ND (1)	15	5	20	5	226	Soil Gas
SG-07	PH-04	3	1	ND (1)	ND (1)	ND (1)	ND (1)	17	Soil Gas
SG-08	PH-04	6	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	2	Soil Gas
SG-09	PH-05	3	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	Soil Gas
SG-10	PH-05	8	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	1	Soil Gas
SG-10(D)	PH-05	8	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	1	QC-Duplicate Injection
Blank-03	NA	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	QC-System Blank
SG-11	PH-06	3	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	Soil Gas
SG-12	PH-06	7.5	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	3	Soil Gas
SG-13	PH-07	3	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	1	Soil Gas
SG-14	PH-07	9	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	1	Soil Gas
SG-15	PH-08	3	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	Soil Gas
SG-16	PH-08	8	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	Soil Gas
SG-17	PH-09	3	ND (1)	1	ND (1)	ND (1)	ND (1)	2	Soil Gas
SG-18	PH-09	10	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	Soil Gas
SG-19	PH-10	10	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	Soil Gas
SG-20	PH-10	10	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	Soil Gas
SG-20 (D)	PH-10	10	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	QC-Duplicate Injection
Blank-04	NA	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	QC-System Blank

NA not applicable
 QC quality control
 D duplicate analysis

ND not detected at lower quantifiable limit indicated in parentheses
 µg/L micrograms per Liter of headspace vapor analyzed
 TVOC total volatile organic content

Analyst : Darin Bartles

QA/QC : Paul Anderson

Table 1

Burlington Environmental
Analytical Results

12-9-93 Project # 11333 Project Name : Bloomfield-Refinery File : BLVDRDAT.WKS

Sample I.D.	Probe Hole	Depth (feet)	Concentration (µg/L)					Comments
			Benzene	Toluene	Ethylbenzene	m&p-Xylene	o-Xylene	TVOC
SG-21	PH-11	3	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	1
SG-22	PH-11	10	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	3
SG-23	PH-12	3	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	1
SG-24	PH-12	10	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	1
SG-25	PH-13	3	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0
SG-26	PH-13	10	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0
SG-27	PH-14	3	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	1
SG-28	PH-14	10	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0
SG-28 (D)	PH-14	10	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0
Blank-05	NA	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0

NA not applicable ND not detected at lower quantifiable limit indicated in parentheses
 QC quality control µg/L micrograms per Liter of headspace vapor analyzed
 D duplicate analysis TVOC total volatile organic content

Analyst : Darin Bartles QA/QC : Paul Anderson

Table 1

Burlington Environmental
Analytical Results

12-10-93	Project # 11333	Project Name :	Bloomfield-Refinery	File :	BLVDRDAT.WKS				
Sample I.D.	Probe Hole	Depth (feet)	Concentration (µg/L)					TVOC	Comments
			Benzene	Toluene	Ethylbenzene	m&p-Xylene	o-Xylene		
Blank-06	NA	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	QC-System Blank
Blank-07	NA	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	QC-Probe Rod Blank
SG-29	PH-15	3	ND (1)	2	ND (1)	ND (1)	ND (1)	25	Soil Gas
SG-30	PH-15	9	ND (1)	61	ND (1)	19	9	1108	Soil Gas
SG-31	PH-16	3	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	Soil Gas
SG-32	PH-16	9	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	Soil Gas
SG-33	PH-17	3	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	Soil Gas
SG-34	PH-17	9	ND (1)	ND (1)	ND (1)	1	ND (1)	2	Soil Gas
SG-35	PH-18	3	ND (1)	2	ND (1)	1	ND (1)	3	Soil Gas
SG-36	PH-18	9	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	Soil Gas
SG-37	PH-19	3	ND (1)	3	ND (1)	2	ND (1)	6	Soil Gas
SG-38	PH-19	9	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	Soil Gas
SG-38 (D)	PH-19	9	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	QC-Duplicate Injection
Blank-08	NA	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	QC-System Blank
SG-39	PH-20	3	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	Soil Gas
SG-40	PH-20	9	ND (1)	77	13	39	14	345	Soil Gas
SG-41	PH-21	3	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	Soil Gas
SG-42	PH-21	9	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	Soil Gas
SG-43	PH-22	3	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	Soil Gas
SG-44	PH-22	9	35	1508	199	2260	95	6474	Soil Gas
SG-45	PH-23	3	ND (1)	11	3	8	2	23	Soil Gas
SG-46	PH-23	9	ND (1)	2	ND (1)	1	ND (1)	3	Soil Gas
SG-47	PH-24	3	16	115	27	145	36	721	Soil Gas
SG-48	PH-24	9	88	271	63	331	62	1571	Soil Gas
SG-48 (D)	PH-24	9	91	272	60	313	60	1547	QC-Duplicate Injection
Blank-09	NA	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	QC-System Blank
NA	not applicable				ND				not detected at lower quantifiable limit indicated in parentheses
QC	quality control				µg/L				micrograms per Liter of headspace vapor analyzed
D	duplicate analysis				TVOC				total volatile organic content

NA not applicable
 QC quality control
 D duplicate analysis
 ND not detected at lower quantifiable limit indicated in parentheses
 µg/L micrograms per Liter of headspace vapor analyzed
 TVOC total volatile organic content

Analyst : Darin Bartles QA/QC : Paul Anderson

Table 1

Burlington Environmental
Analytical Results

12-10-93 Project # 11333 Project Name : Bloomfield-Refinery File : BLVDRDAT.WKS

Sample I.D.	Probe Hole	Depth (feet)	Concentration (µg/L)					Comments
			Benzene	Toluene	Ethylbenzene	m&p-Xylene	o-Xylene	TVOC
SG-49	PH-25	3	91	76	9	55	7	41
SG-50	PH-25	9	447	532	82	538	61	2519
SG-51	PH-26	3	1	ND (1)	2	11	2	36
SG-52	PH-26	9	27	14	ND (1)	16	2	97
SG-52 (D)	PH-26	9	27	15	1	17	2	100
Blank-10	NA	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0

NA not applicable ND not detected at lower quantifiable limit indicated in parentheses
 QC quality control µg/L micrograms per Liter of headspace vapor analyzed
 D duplicate analysis TVOC total volatile organic content

Analyst : Darin Bartles QA/QC : Paul Anderson

Table 1

Burlington Environmental
Analytical Results

12-11-93 Project # 11333 Project Name : Bloomfield-Refinery File : BLVDRDAT.WKS

Sample I.D.	Probe Hole	Depth (feet)	Concentration (µg/L)					TVOC	Comments
			Benzene	Toluene	Ethylbenzene	m&p-Xylene	o-Xylene		
Blank-11	NA	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	QC-System Blank
Blank-12	NA	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	QC-Probe Rod Blank
SG-53	PH-27	3	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	Soil Gas
SG-54	PH-27	9	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	1	Soil Gas
SG-55	PH-28	3	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	Soil Gas
SG-56	PH-28	9	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	Soil Gas
SG-57	PH-29	3	ND (1)	ND (1)	ND (1)	1	ND (1)	1	Soil Gas
SG-58	PH-29	9	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	Soil Gas
SG-59	PH-30	3	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	Soil Gas
SG-60	PH-30	9	ND (1)	ND (1)	ND (1)	1	ND (1)	1	Soil Gas
SG-61	PH-31	3	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	Soil Gas
SG-62	PH-31	9	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	Soil Gas
SG-62 (D)	PH-31	9	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	QC-Duplicate Injection
Blank-13	NA	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	QC-System Blank
SG-63	PH-32	3	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	Soil Gas
SG-64	PH-32	9	ND (1)	ND (1)	ND (1)	2	ND (1)	2	Soil Gas
SG-65	PH-33	3	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	Soil Gas
SG-66	PH-33	10	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	Soil Gas
SG-67	PH-34	3	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	1	Soil Gas
SG-68	PH-34	9	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	Soil Gas
SG-69	PH-35	3	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	Soil Gas
SG-70	PH-35	9	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	1	Soil Gas
SG-71	PH-36	3	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	Soil Gas
SG-72	PH-36	9	7	6	2	12	ND (1)	35	Soil Gas
SG-72 (D)	PH-36	9	7	7	2	12	ND (1)	37	QC-Duplicate Injection
Blank-14	NA	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	QC-System Blank

NA	not applicable	ND	not detected at lower quantifiable limit indicated in parentheses
QC	quality control	µg/L	micrograms per Liter of headspace vapor analyzed
D	duplicate analysis	TVOC	total volatile organic content

Analyst : Darin Bartles QA/QC : Paul Anderson

Table 1

Burlington Environmental
Analytical Results

12-11-93 Project # 11333 Project Name : Bloomfield-Refinery File : BLVDRDAT.WKS

Sample I.D.	Probe Hole	Depth (feet)	Concentration (µg/L)					Comments	
			Benzene	Toluene	Ethylbenzene	m&p-Xylene	o-Xylene		TVOC
SG-73	PH-37	3	ND (1)	ND (1)	ND (1)	3	ND (1)	4	Soil Gas
SG-74	PH-37	9	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	Soil Gas
NA	not applicable				ND				
QC	quality control				µg/L				
D	duplicate analysis				TVOC				
							not detected at lower quantifiable limit indicated in parentheses		
							micrograms per Liter of headspace vapor analyzed		
							total volatile organic content		

not detected at lower quantifiable limit indicated in parentheses
micrograms per Liter of headspace vapor analyzed
total volatile organic content

Analyst : Darin Bartles QA/QC : Paul Anderson

Table 1

Burlington Environmental
Analytical Results

12-12-93 Project # 11333 Project Name : Bloomfield-Refinery File : BLVDRDAT.WKS

Sample I.D.	Probe Hole	Depth (feet)	Concentration (µg/L)						Comments
			Benzene	Toluene	Ethylbenzene	m&p-Xylene	o-Xylene	TVOC	
Blank-15	NA	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	QC-System Blank
Blank-16	NA	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	QC-Probe Rod Blank
SG-75	PH-38	3	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	Soil Gas
SG-76	PH-38	8	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	Soil Gas
SG-77	PH-39	3	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	Soil Gas
SG-78	PH-40	3	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	Soil Gas
SG-79	PH-40	8.5	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	Soil Gas
SG-80	PH-41	3	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	Soil Gas
SG-81	PH-41	8.5	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	Soil Gas
SG-82	PH-42	3	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	Soil Gas
SG-83	PH-42	9	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	Soil Gas
SG-83 (D)	PH-42	9	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	QC-Duplicate Injection
Blank-17	NA	NA	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	0	QC-System Blank

NA not applicable ND not detected at lower quantifiable limit indicated in parentheses
 QC quality control µg/L micrograms per Liter of headspace vapor analyzed
 D duplicate analysis TVOC total volatile organic content

Analyst : Darin Bartles QA/QC : Paul Anderson

APPENDIX B

Chromatography Field Analysis Work Sheets

BURLINGTON ENVIRONMENTAL RECON
SAMPLE ANALYSIS

Work Sheet

DATE : 9 Dec. 1993 PROJECT NO. : 11333 PROJECT NAME: Bloomfield-Refinery

Sample I.D.	Probe Hole Number	Depth (feet)	Analysis Time	Injection Vol. (μl)	Multiplier	VAC in. Hg	Comments
Blank-01	NA	NA	7:25	500	1	NA	QC-System Blank
Std-1209	NA	NA	7:45	500	1	NA	QC-Calibration Standard
Std-1209-02	NA	NA	8:47	500	1	NA	QC-Check Standard
Blank-02	NA	NA	9:20	500	1	NA	QC-Probe Rod Blank
SG-01	PH-01	3	9:43	500	1	2.5	Soil Gas
SG-02	PH-01	10	10:01	500	1	10	Soil Gas
SG-03	PH-02	3	10:43	500	1	2.5	Soil Gas
SG-04	PH-02	8.5	11:24	250	2	1.5	Soil Gas
SG-05	PH-03	3	11:52	500	1	1.5	Soil Gas
SG-06	PH-03	8.5	12:06	500	1	1	Soil Gas
SG-07	PH-04	3	12:27	500	1	0.5	Soil Gas
SG-08	PH-04	6	12:43	500	1	0.5	Soil Gas
SG-09	PH-05	3	13:00	500	1	0.5	Soil Gas
SG-10	PH-05	8	13:14	500	1	0	Soil Gas
SG-10 (D)	PH-05	8	13:26	500	1	0	QC-Duplicate Injection
Blank-03	NA	NA	13:40	500	1	NA	QC-System Blank
Std-1209-03	NA	NA	13:54	500	1	NA	QC-Check Standard
SG-11	PH-06	3	14:16	500	1	1	Soil Gas
SG-12	PH-06	7.5	14:30	500	1	1	Soil Gas
SG-13	PH-07	3	14:45	500	1	4	Soil Gas
SG-14	PH-07	9	15:00	500	1	0	Soil Gas
SG-15	PH-08	3	15:19	500	1	1	Soil Gas
SG-16	PH-08	8	15:36	500	1	1	Soil Gas
SG-17	PH-09	3	15:55	500	1	1	Soil Gas
SG-18	PH-09	10	16:15	500	1	10	Soil Gas
SG-19	PH-10	10	16:30	500	1	1	Soil Gas

D duplicate analysis
QC quality control

BURLINGTON ENVIRONMENTAL RECON
SAMPLE ANALYSIS

Work Sheet

DATE : 9 Dec. 1993

PROJECT NO. : 11333

PROJECT NAME: Bloomfield-Refinery

Sample I.D.	Probe Hole Number	Depth (feet)	Analysis Time	Injection Vol. (µl)	Multiplier	VAC in. Hg	Comments
SG-20	PH-10	10	16:45	500	1	1	Soil Gas
SG-20 (D)	PH-10	10	16:59	500	1	1	QC-Duplicate Injection
Blank-04	NA	NA	17:12	500	1	NA	QC-System Blank
Std-1209-04	NA	NA	17:27	500	1	NA	QC-Check Standard
SG-21	PH-11	3	17:49	500	1	4	Soil Gas
SG-22	PH-11	10	18:09	500	1	7.5	Soil Gas
SG-23	PH-12	3	18:21	500	1	1	Soil Gas
SG-24	PH-12	10	18:35	500	1	0	Soil Gas
SG-25	PH-13	3	18:50	500	1	0	Soil Gas
SG-26	PH-13	10	19:05	500	1	0	Soil Gas
SG-27	PH-14	3	19:21	500	1	2	Soil Gas
SG-28	PH-14	10	19:50	500	1	0	Soil Gas
SG-28 (D)	PH-14	10	20:03	500	1	0	QC-Duplicate Injection
Blank-05	NA	NA	20:46	500	1	NA	QC-System Blank
Std-1209-05	NA	NA	21:03	500	1	NA	QC-Check Standard

D duplicate analysis
QC quality control

BURLINGTON ENVIRONMENTAL RECON
SAMPLE ANALYSIS

Work Sheet

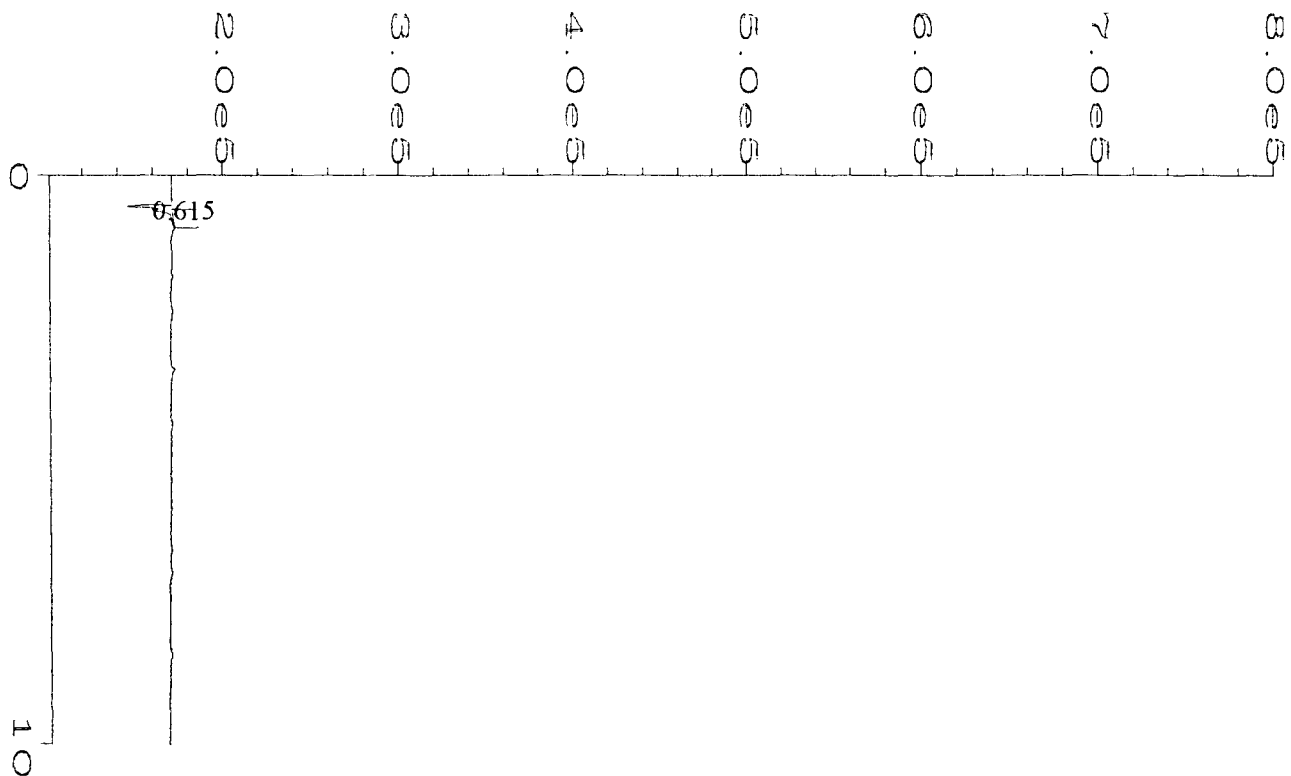
DATE : 12 Dec. 1993 PROJECT NO. : 11333 PROJECT NAME: Bloomfield-Refinery

Sample I.D.	Probe Hole Number	Depth (feet)	Analysis Time	Injection Vol. (µl)	Multiplier	VAC in. Hg	Comments
Blank-15	NA	NA	7:30	500	1	NA	QC-System Blank
Std-1212	NA	NA	8:22	500	1	NA	QC-Calibration Standard
Std-1212-02	NA	NA	8:50	500	1	NA	QC-Check Standard
Blank-16	NA	NA	9:54	500	1	NA	QC-Probe Rod Blank
SG-75	PH-38	3	10:07	500	1	1	Soil Gas
SG-76	PH-38	8	10:24	500	1	1	Soil Gas
SG-77	PH-39	3	10:41	500	1	1	Soil Gas
SG-78	PH-40	3	11:21	500	1	1	Soil Gas
SG-79	PH-40	8.5	11:36	500	1	0.5	Soil Gas
SG-80	PH-41	3	12:09	500	1	0.5	Soil Gas
SG-81	PH-41	8.5	12:24	500	1	1	Soil Gas
SG-82	PH-42	3	12:40	500	1	1	Soil Gas
SG-83	PH-42	9	12:55	500	1	1	Soil Gas
SG-83 (D)	PH-42	9	13:08	500	1	1	QC-Duplicate Injection
Blank-17	NA	NA	13:59	500	1	NA	QC-System Blank
Std-1212-03	NA	NA	14:15	500	1	NA	QC-Check Standard

D duplicate analysis
QC quality control

APPENDIX C

Sample Chromatograms



External Standard Report

Data File Name : A:\NV-F0872.D
 Operator :
 Instrument : RECON GC
 Sample Name : BLANK-01
 Run Time Bar Code:
 Acquired on : 09 Dec 93 07:25 AM
 Report Created on: 21 Jan 94 02:30 PM
 Last Recalib on : 12 DEC 93 08:34 AM
 Multiplier : 1

Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

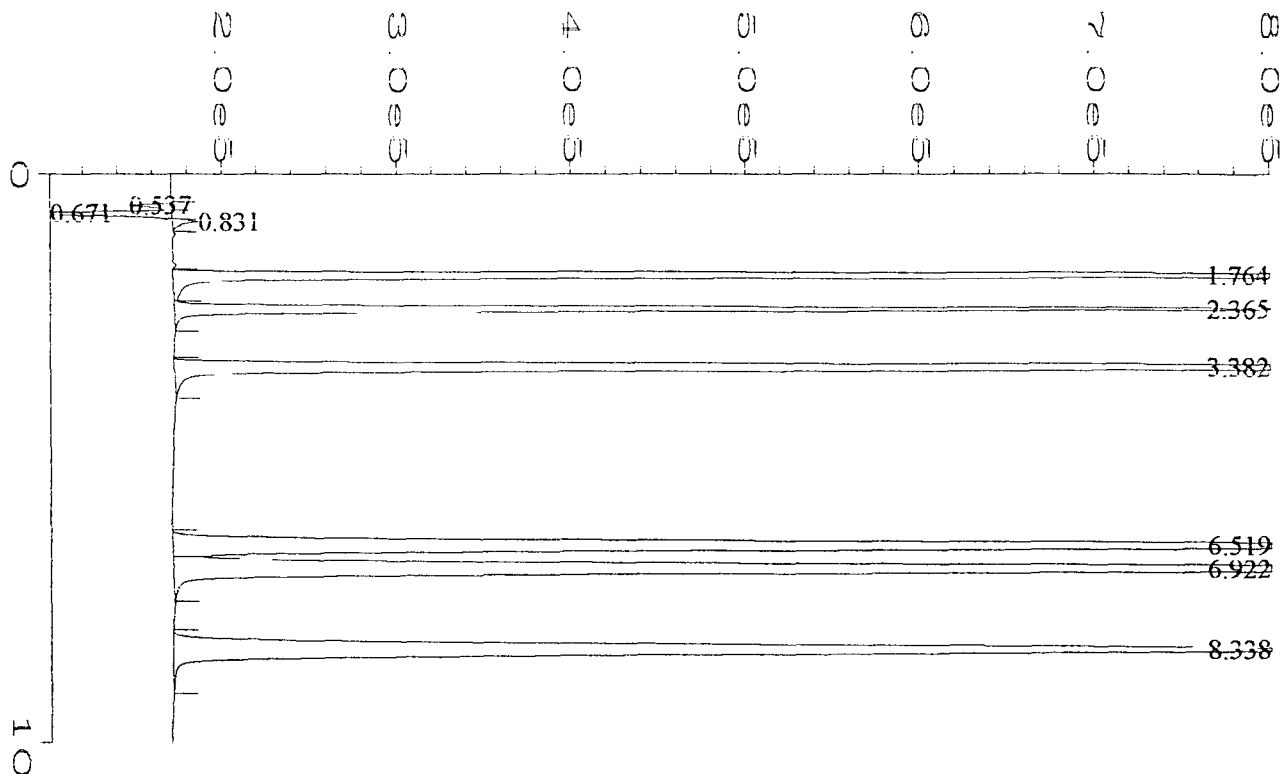
Fig. 1 in A:\NV-F0872.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.742	* not found *			1		Benzene
2.334	* not found *			1-R		a,a,a-TFT
3.335	* not found *			1		Toluene
6.426	* not found *			1		Ethylbenzene
6.822	* not found *			1		m & p-Xylene
8.217	* not found *			1		o-Xylene
0.615	45444	PV - 0.069			4.54E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.334	* not found *	

Could not find time reference peak:

No peak of Number 2's description at 2.334 + 0.082 - 0.082 min.
 Not all time reference peaks were found
 Not all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F0873.D
 Operator :
 Instrument : RECON GC
 Sample Name : ~~BLANK-01~~
 In Time Bar Code: STD-1209
 Acquired on : 09 Dec 93 07:45 AM
 Report Created on: 21 Jan 94 02:36 PM
 Last Recalib on : 21 Jan 94 02:32 PM
 Multiplier : 1

Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F0873.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.764	1.01154E+007	PV	0.064	1	103.000	Benzene
2.365	3700787	VB	0.080	1-R	0.00100	a,a,a-TFT
3.382	1.00115E+007	BB	0.089	1	109.000	Toluene
6.519	8649644	BV	0.142	1	109.000	Ethylbenzene
6.922	9624203	VB	0.149	1	106.000	m & p-Xylene
8.338	7717075	BB	0.173	1	105.000	o-Xylene
0.537	87285	BV -	0.057		8.73E-005	* uncalibrated *
0.671	390191	PP -	0.084		0.000390	* uncalibrated *
0.831	61651	PV	0.062		6.17E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.365	2.365	0.0%

=====

Calibration Report

=====

File Name : A:\NV-F0873.D
Operator :
Instrument : RECON GC
Sample Name : ~~BLANK-01~~
In Time Bar Code: STD-1209
Acquired on : 09 Dec 93 07:45 AM
Report Created on: 21 Jan 94 02:32 PM
Last Recalib on : 12 DEC 93 08:34 AM
Multiplier : 1

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: BLOOMREF.MTH
Analysis Method : BLOOMREF.MTH
Sample Amount : 0
ISTD Amount :

Calibration Table

pk#	RT	Lvl	ug/L	Amt/Area	Ref Istd I#	Name
1	1.764	1	103.0	1.0183e-005	1	Benzene
2	2.365	1	0.001	2.7021e-010	Ref	1 a,a,a-TFT
3	3.382	1	109.0	1.0887e-005	1	Toluene
4	6.519	1	109.0	1.2602e-005	1	Ethylbenzene
5	6.922	1	106.0	1.1014e-005	1	m & p-Xylene
6	8.338	1	105.0	1.3606e-005	1	o-Xylene

Calibration Settings

Title:
CALIBRATION STD

Reference window: 7.000 %
Non-reference window: 7.000 %
Limits of amount: ug/L
Multiplier: 1.0
RF uncal peaks: 1.0e-009
Sample Amount: 0.0

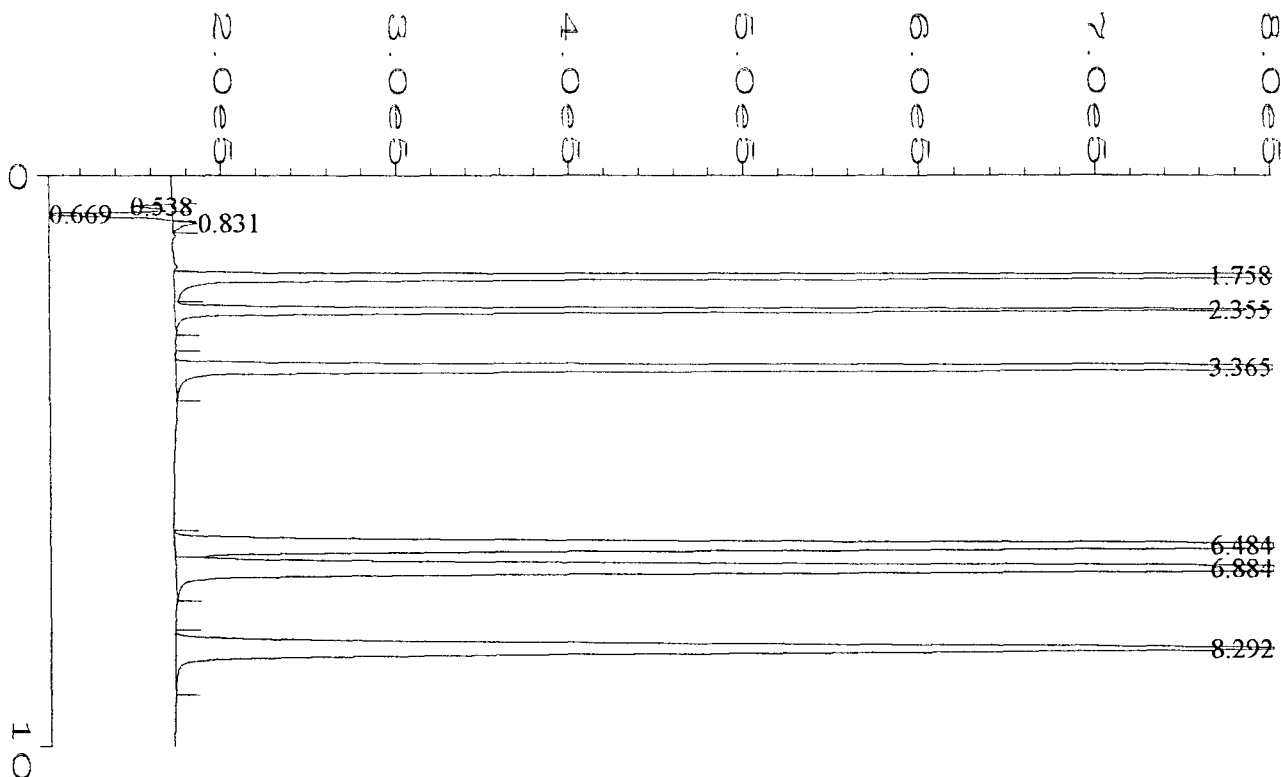
Sample ISTD Information

No Sample ISTD Amounts

Multilevel Information

Fit: Linear
Origin: Force

=====



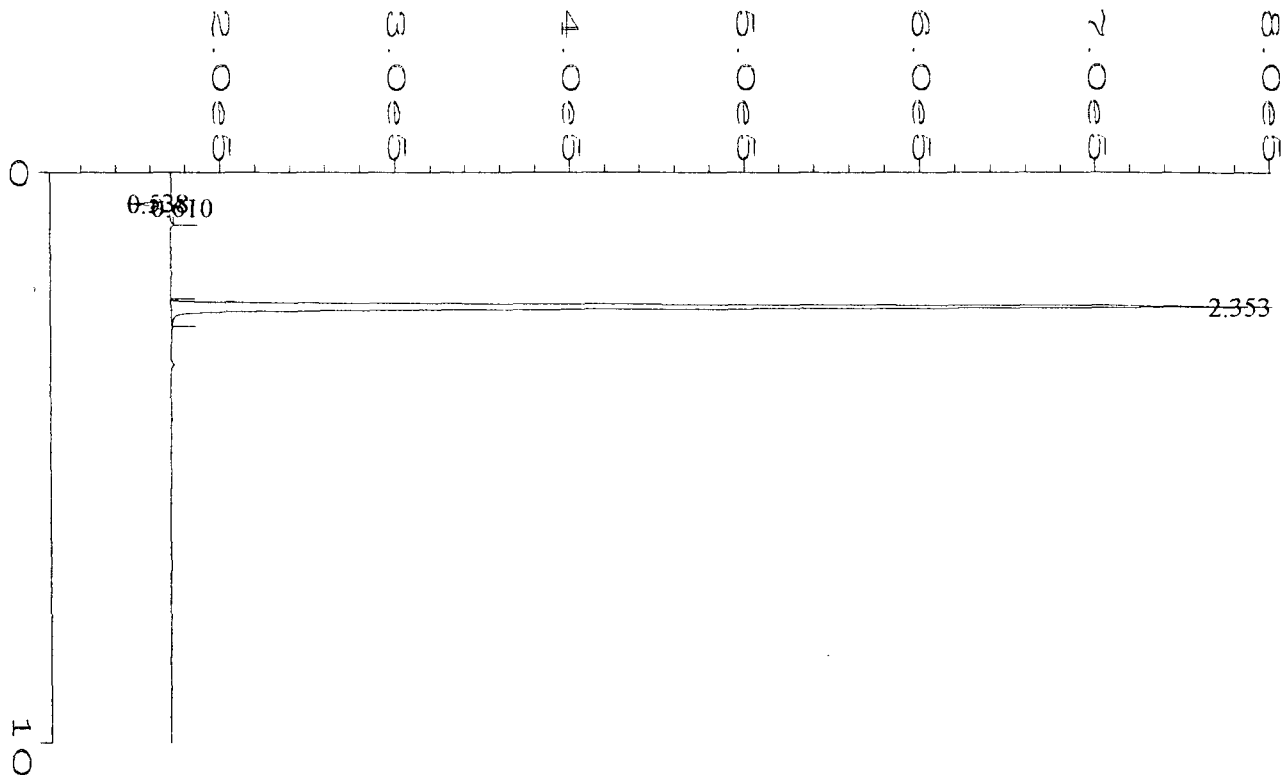
External Standard Report

Data File Name	: A:\NV-F0875.D	Page Number	: 1
Operator	:	Vial Number	:
Instrument	: RECON GC	Injection Number	:
Sample Name	: STD-1209-02	Sequence Line	:
Run Time Bar Code:		Instrument Method:	BLOOMREF.MTH
Acquired on	: 09 Dec 93 08:47 AM	Analysis Method	: BLOOMREF.MTH
Report Created on:	21 Jan 94 02:38 PM	Sample Amount	: 0
Last Recalib on	: 21 Jan 94 02:32 PM	ISTD Amount	:
Multiplier	: 1		

Fig. 1 in A:\NV-F0875.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.758	9867794	PV	0.064	1	100.479	Benzene
2.355	3630461	VB	0.080	1-R	0.000981	a,a,a-TFT
3.365	9622516	BB	0.089	1	104.765	Toluene
6.484	8158815	BV	0.142	1	102.815	Ethylbenzene
6.884	9109937	VB	0.149	1	100.336	m & p-Xylene
8.292	7233497	BB	0.173	1	98.420	o-Xylene
0.538	87308	BV -	0.058		8.73E-005	* uncalibrated *
0.669	368418	PP -	0.082		0.000368	* uncalibrated *
0.831	62827	PV	0.064		6.28E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.365	2.355	-0.4%



External Standard Report

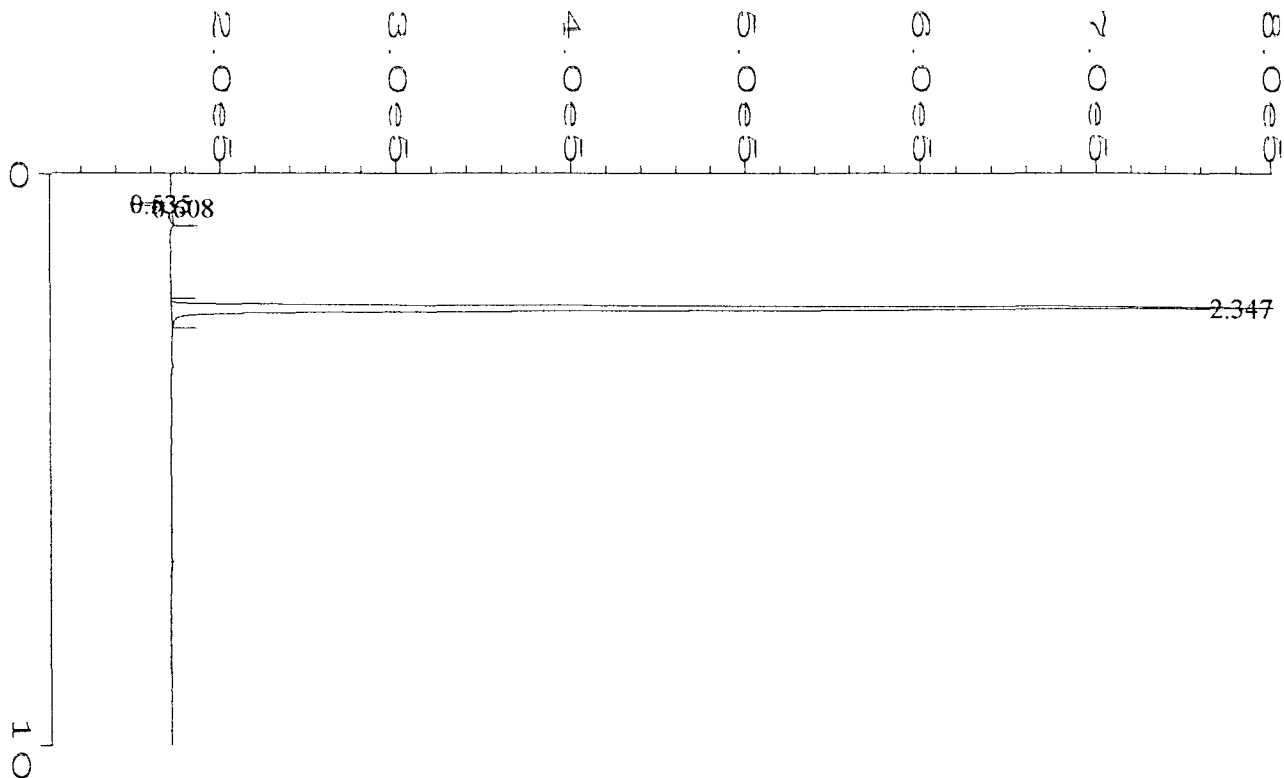
File Name	: A:\NV-F0876.D	Page Number	: 1
Operator	:	Vial Number	:
Instrument	: RECON GC	Injection Number	:
Sample Name	: BLANK-02	Sequence Line	:
Time Bar Code:		Instrument Method	: BLOOMREF.MTH
Acquired on	: 09 Dec 93 09:20 AM	Analysis Method	: BLOOMREF.MTH
Report Created on	: 21 Jan 94 02:40 PM	Sample Amount	: 0
Int Recalib on	: 21 Jan 94 02:32 PM	ISTD Amount	:
Multiplier	: 1		

1 in A:\NV-F0876.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.764	* not found *			1		Benzene
2.353	3176623	BB	0.078	1-R	0.000858	a,a,a-TFT
3.382	* not found *			1		Toluene
6.519	* not found *			1		Ethylbenzene
6.922	* not found *			1		m & p-Xylene
8.338	* not found *			1		o-Xylene
0.538	79718	BV -	0.050		7.97E-005	* uncalibrated *
0.610	62367	PV -	0.071		6.24E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.365	2.353	-0.5%

all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F0877.D

Operator :

Instrument : RECON GC

Sample Name : SG-01, PH-01

Run Time Bar Code:

Acquired on : 09 Dec 93 09:43 AM

Report Created on: 21 Jan 94 02:41 PM

Last Recalib on : 21 Jan 94 02:32 PM

Multiplier : 1

Page Number : 1

Vial Number :

Injection Number :

Sequence Line :

Instrument Method: BLOOMREF.MTH

Analysis Method : BLOOMREF.MTH

Sample Amount : 0

ISTD Amount :

Fig. 1 in A:\NV-F0877.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.764	* not found *			1		Benzene
2.347	3405421	BB	0.079	1-R	0.000920	a,a,a-TFT
3.382	* not found *			1		Toluene
6.519	* not found *			1		Ethylbenzene
6.922	* not found *			1		m & p-Xylene
8.338	* not found *			1		o-Xylene
0.535	74188	BV -	0.050		7.42E-005	* uncalibrated *
0.608	60943	PV -	0.072		6.09E-005	* uncalibrated *

Time Reference Peak

2

Expected RT

2.365

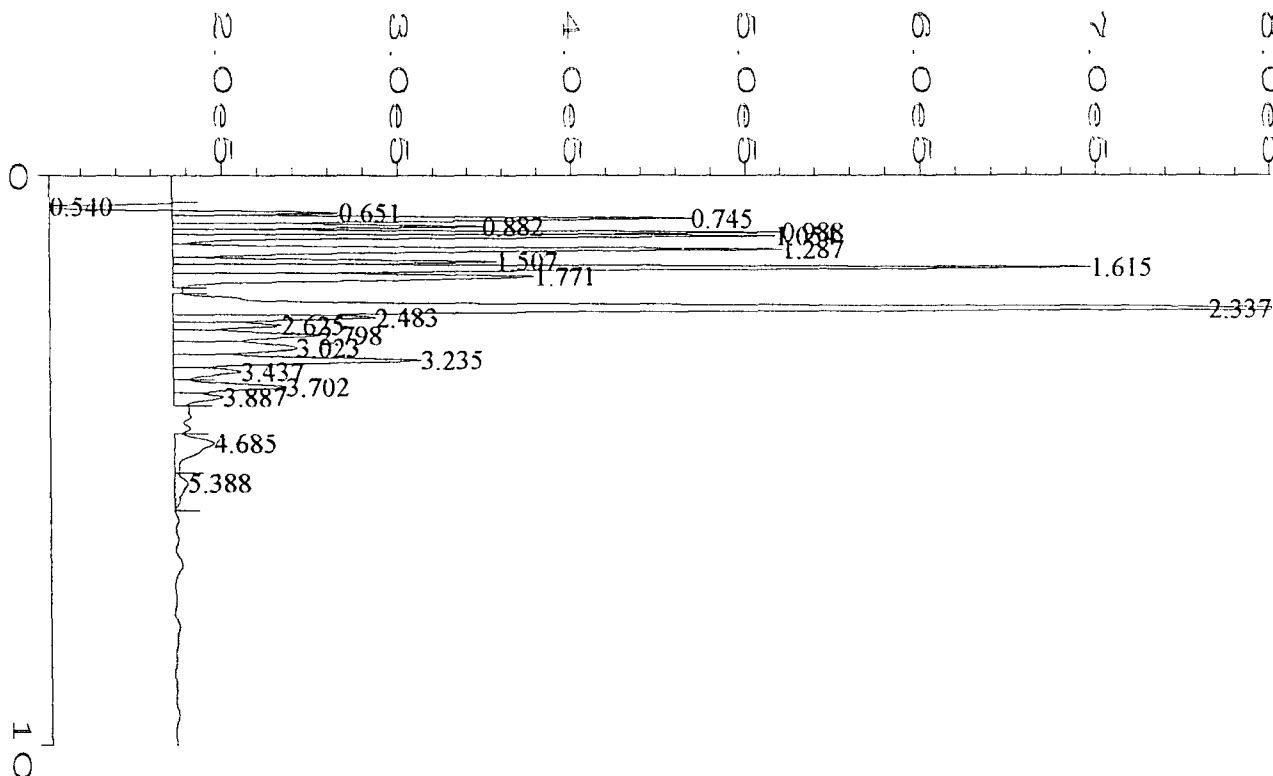
Actual RT

2.347

Difference

-0.8%

At all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F0878.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-02, PH-01
 In Time Bar Code:
 Acquired on : 09 Dec 93 10:01 AM
 Report Created on: 21 Jan 94 02:42 PM
 Last Recalib on : 21 Jan 94 02:32 PM
 Multiplier : 1

Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F0878.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.771	1568116	VV	0.123	1	15.967	Benzene
2.337	5607067	VV	0.099	1-R	0.00152	a,a,a-TFT
3.437	317012	VV	0.124	1	3.451	Toluene
6.519	* not found *			1		Ethylbenzene
6.922	* not found *			1		m & p-Xylene
8.338	* not found *			1		o-Xylene
0.540	404826	BP -	0.089		0.000405	* uncalibrated *
0.651	321078	PV	0.056		0.000321	* uncalibrated *
0.745	1476782	VV	0.075		0.00148	* uncalibrated *
0.882	698956	VV	0.060		0.000699	* uncalibrated *
0.988	1170770	VV	0.051		0.00117	* uncalibrated *
1.054	1403681	VV	0.060		0.00140	* uncalibrated *
1.287	1999676	VV	0.085		0.00200	* uncalibrated *
1.507	795590	VV	0.066		0.000796	* uncalibrated *
1.615	2775112	VV	0.079		0.00278	* uncalibrated *
2.483	648402	VV	0.084		0.000648	* uncalibrated *
2.625	379378	VV	0.093		0.000379	* uncalibrated *

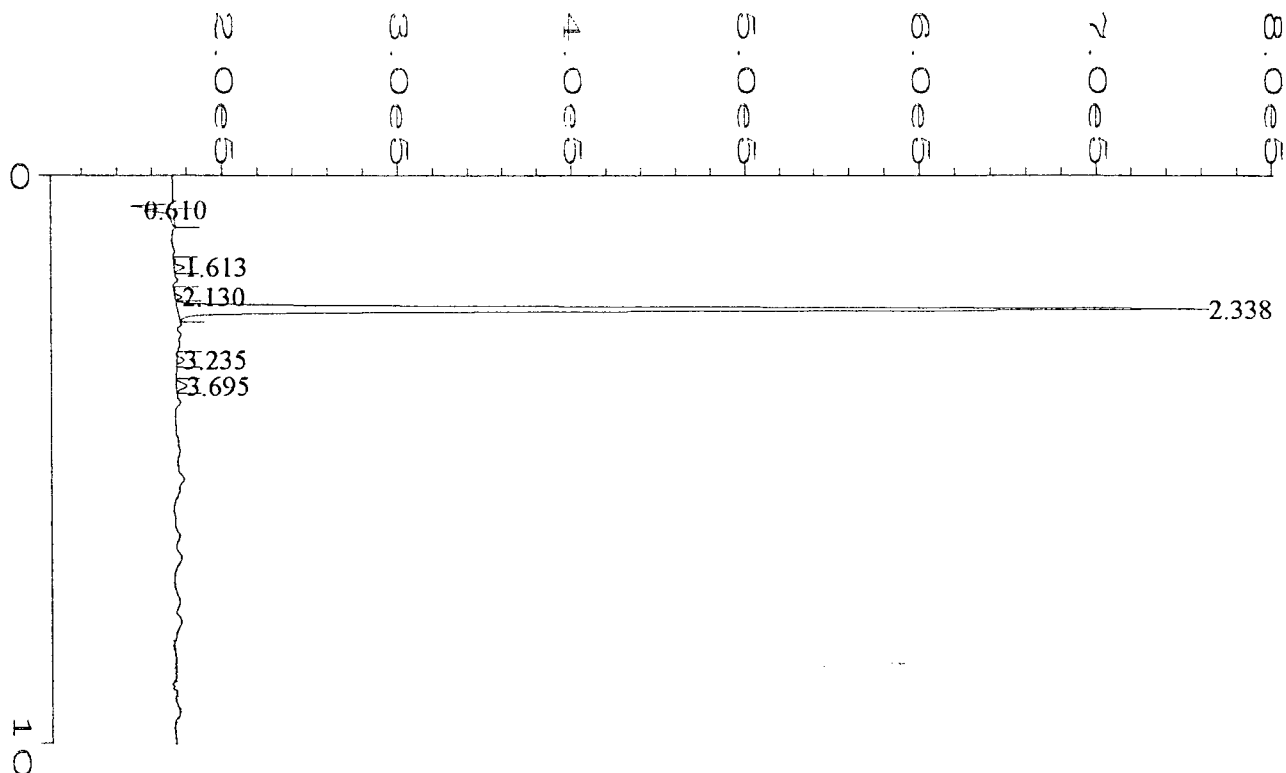
Data File Name : A:\NV-F0878.D
Operator :
Instrument : RECON GC
Sample Name : SG-02, PH-01
Run Time Bar Code:
Acquired on : 09 Dec 93 10:01 AM
Report Created on: 21 Jan 94 02:42 PM
Last Recalib on : 21 Jan 94 02:32 PM
Multiplier : 1

Page Number : 2
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: BLOOMREF.MTH
Analysis Method : BLOOMREF.MTH
Sample Amount : 0
ISTD Amount :

2.798	663672 VV	0.119	0.000664	* uncalibrated *
3.023	767746 VV	0.171	0.000768	* uncalibrated *
3.235	1067170 VV	0.116	0.00107	* uncalibrated *
3.702	510324 VV	0.122	0.000510	* uncalibrated *
3.887	236602 VV	0.125	0.000237	* uncalibrated *
4.685	428134 VV	0.265	0.000428	* uncalibrated *
5.388	156454 VV	0.273	0.000156	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.365	2.337	-1.2%

Not all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F0879.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-03, PH-02
 Run Time Bar Code:
 Acquired on : 09 Dec 93 10:43 AM
 Report Created on: 21 Jan 94 02:43 PM
 Last Recalib on : 21 Jan 94 02:32 PM
 Multiplier : 1

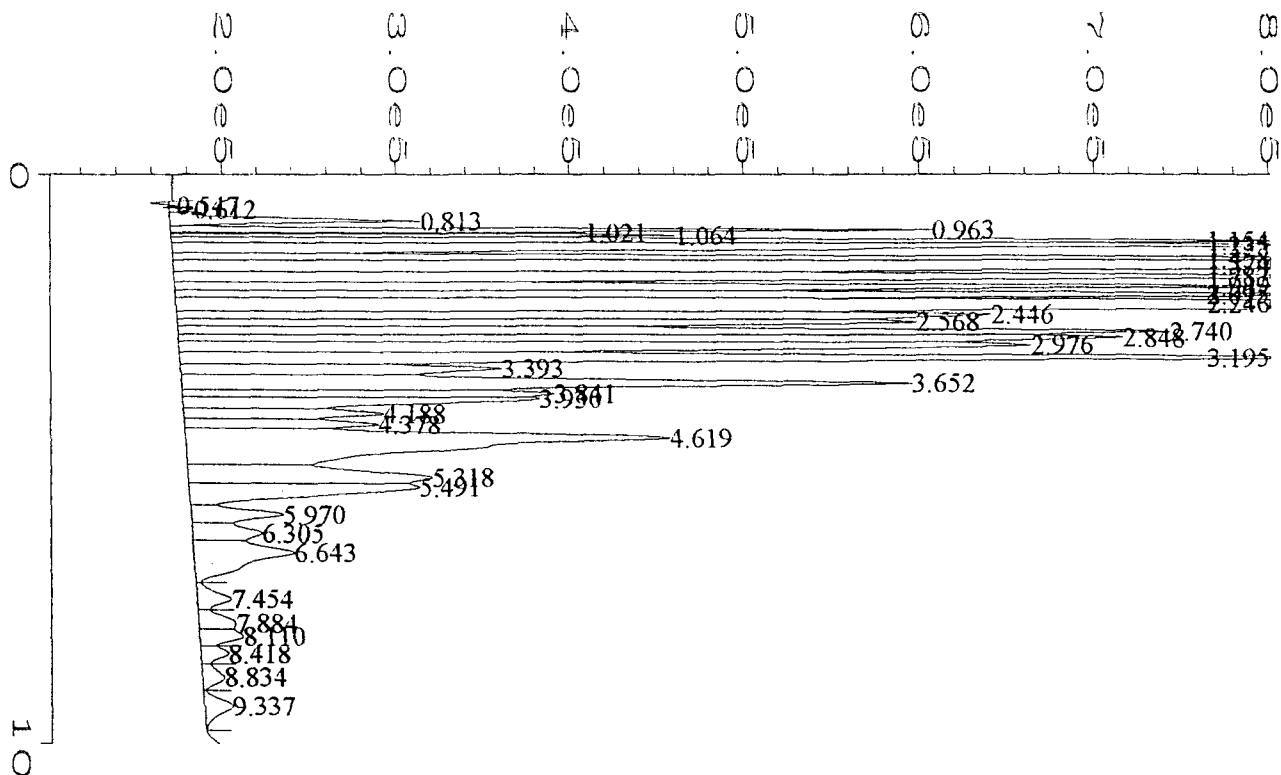
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F0879.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.764	* not found *			1		Benzene
2.338	3024053	VV	0.079	1-R	0.000817	a,a,a-TFT
3.235	22038	BV	0.068	1	0.240	Toluene
6.519	* not found *			1		Ethylbenzene
6.922	* not found *			1		m & p-Xylene
8.338	* not found *			1		o-Xylene
0.610	77223	PV -	0.066		7.72E-005	* uncalibrated *
1.613	36306	BV	0.083		3.63E-005	* uncalibrated *
2.130	17551	BV	0.070		1.76E-005	* uncalibrated *
3.695	44138	BV	0.092		4.41E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.365	2.338	-1.1%

Not all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F0881.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-04, PH-02
 In Time Bar Code:
 Acquired on : 09 Dec 93 11:24 AM
 Report Created on: 21 Jan 94 02:46 PM
 Last Recalib on : 21 Jan 94 02:32 PM
 Multiplier : 2

Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F0881.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.787	5939217	VV	0.106	1	120.952	Benzene
2.446	3435798	VV	0.105	1-R	0.00186	a,a,a-TFT
3.393	1744217	VV	0.135	1	37.980	Toluene
6.643	1384402	VV	0.319	1	34.892	Ethylbenzene
6.922	* not found *			1		m & p-Xylene
8.418	214163	VV	0.197	1	5.828	o-Xylene
0.547	13987	BP -	0.000		2.80E-005	* uncalibrated *
0.612	40817	PV	0.049		8.16E-005	* uncalibrated *
0.813	774306	VV	0.073		0.00155	* uncalibrated *
0.963	1578198	VV	0.054		0.00316	* uncalibrated *
1.021	412542	VV	0.025		0.000825	* uncalibrated *
1.064	914216	VV	0.045		0.00183	* uncalibrated *
1.154	2918165	VV	0.069		0.00584	* uncalibrated *
1.235	4860553	VV	0.082		0.00972	* uncalibrated *
1.458	3569600	VV	0.076		0.00714	* uncalibrated *
1.574	1.55657E+007	VV	0.093		0.0311	* uncalibrated *
1.949	3854969	VV	0.083		0.00771	* uncalibrated *

Data File Name : A:\NV-F0881.D
Operator :
Instrument : RECON GC
Sample Name : SG-04, PH-02
In Time Bar Code:
Acquired on : 09 Dec 93 11:24 AM
Report Created on: 21 Jan 94 02:46 PM
Last Recalib on : 21 Jan 94 02:32 PM
Multiplier : 2

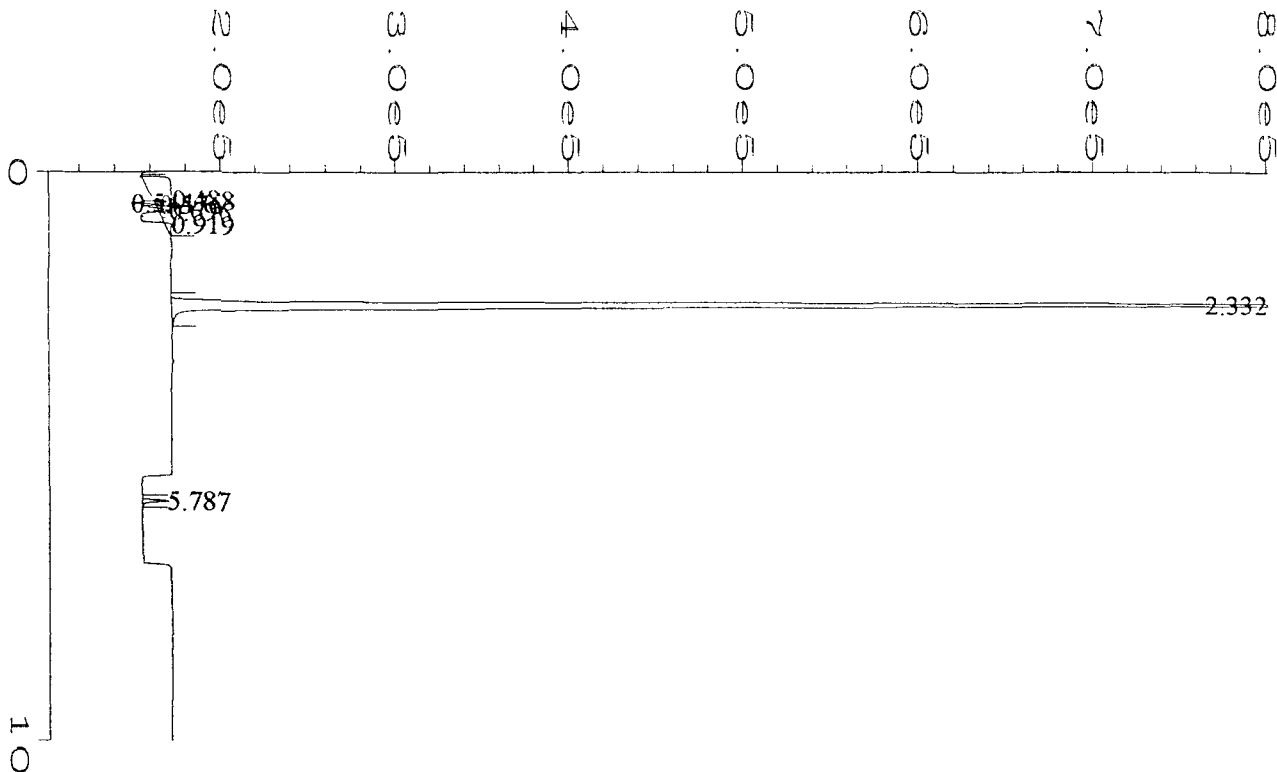
Page Number : 2
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: BLOOMREF.MTH
Analysis Method : BLOOMREF.MTH
Sample Amount : 0
ISTD Amount :

2.095	4871468 VV	0.082	0.00974	* uncalibrated *
2.246	2.4365E+007 VV	0.116	0.0487	* uncalibrated *
2.568	2880385 VV	0.099	0.00576	* uncalibrated *
2.740	3989655 VV	0.102	0.00798	* uncalibrated *
2.848	3777349 VV	0.099	0.00755	* uncalibrated *
2.976	4148008 VV	0.127	0.00830	* uncalibrated *
3.195	5612660 VV	0.114	0.0112	* uncalibrated *
3.652	4358788 VV	0.150	0.00872	* uncalibrated *
3.841	1496655 VV	0.101	0.00299	* uncalibrated *
3.930	1810130 VV	0.129	0.00362	* uncalibrated *
4.188	1096163 VV	0.139	0.00219	* uncalibrated *
4.378	988222 VV	0.129	0.00198	* uncalibrated *
4.619	5941069 VV	0.291	0.0119	* uncalibrated *
5.318	2203568 VV	0.221	0.00441	* uncalibrated *
5.491	1869449 VV	0.198	0.00374	* uncalibrated *
5.970	668818 VV	0.190	0.00134	* uncalibrated *
6.305	602199 VV	0.206	0.00120	* uncalibrated *
7.454	309689 VV	0.214	0.000619	* uncalibrated *
7.884	330390 VV	0.200	0.000661	* uncalibrated *
8.110	348624 VV	0.188	0.000697	* uncalibrated *
8.834	218919 VV	0.228	0.000438	* uncalibrated *
9.337	299366 VV	0.264	0.000599	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.365	2.446	3.4%

It all calibrated peaks were found

=====



External Standard Report

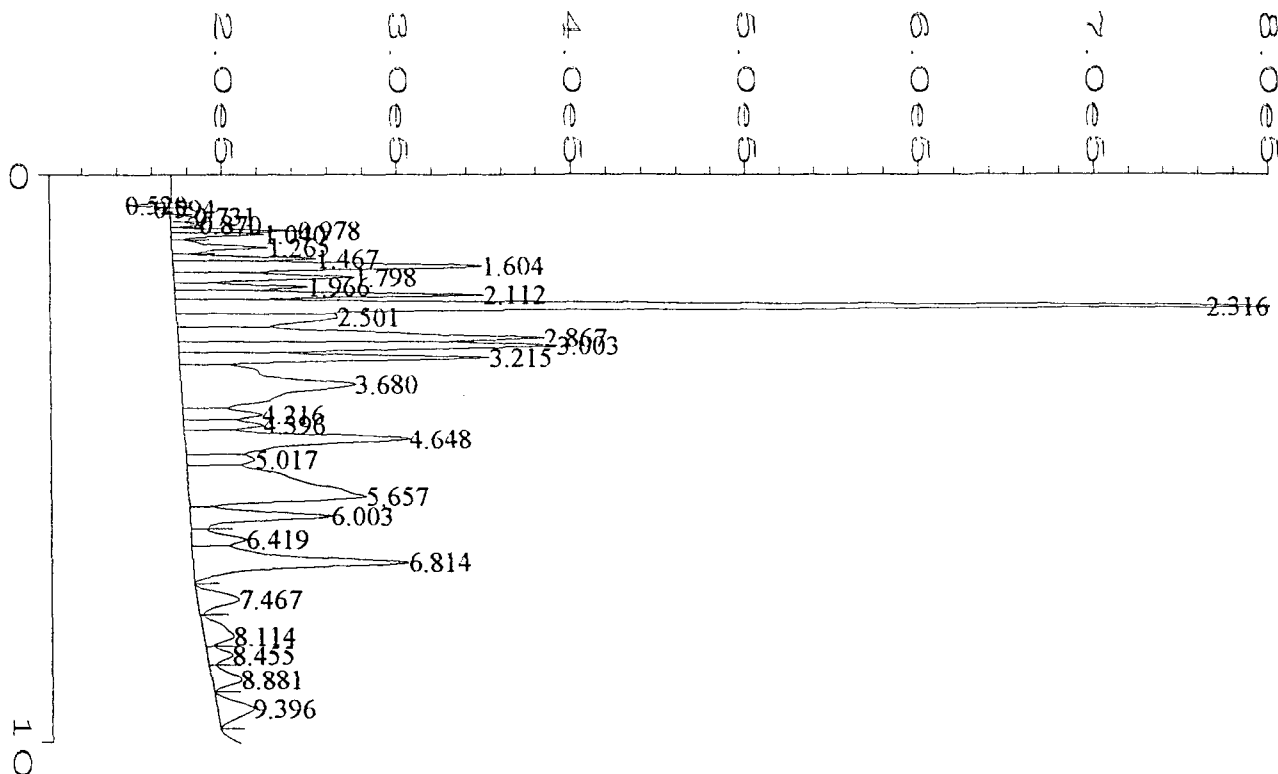
Data File Name : A:\NV-F0882.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-05, PH-03
 Run Time Bar Code:
 Acquired on : 09 Dec 93 11:52 AM
 Report Created on: 21 Jan 94 02:48 PM
 Last Recalib on : 21 Jan 94 02:32 PM
 Multiplier : 1

Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F0882.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.764	* not found *			1		Benzene
2.332	4038574	BB	0.079	1-R	0.00109	a,a,a-TFT
3.382	* not found *			1		Toluene
6.519	* not found *			1		Ethylbenzene
6.922	* not found *			1		m & p-Xylene
8.338	* not found *			1		o-Xylene
0.488	324149	BP	0.403		0.000324	* uncalibrated *
0.544	23752	PP -	0.023		2.38E-005	* uncalibrated *
0.576	7394	PV -	0.000		7.39E-006	* uncalibrated *
0.696	50178	PV -	0.000		5.02E-005	* uncalibrated *
0.919	28619	PB -	0.000		2.86E-005	* uncalibrated *
5.787	37232	BB	0.042		3.72E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.365	2.332	-1.4%



External Standard Report

Data File Name : A:\NV-F0883.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-06, PH-03
 In Time Bar Code:
 Acquired on : 09 Dec 93 12:06 PM
 Report Created on: 21 Jan 94 02:49 PM
 Last Recalib on : 21 Jan 94 02:32 PM
 Multiplier : 1

Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F0883.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.764	* not found *			1		Benzene
2.316	4913558	VV	0.097	1-R	0.00133	a,a,a-TFT
3.215	1332687	VV	0.113	1	14.510	Toluene
6.419	376455	VV	0.175	1	4.744	Ethylbenzene
6.814	1776192	VV	0.205	1	19.563	m & p-Xylene
8.114	354197	VV	0.290	1	4.819	o-Xylene
0.520	64128	BV	- 0.042		6.41E-005	* uncalibrated *
0.594	18884	PP	- 0.035		1.89E-005	* uncalibrated *
0.731	76614	PV	0.075		7.66E-005	* uncalibrated *
0.870	66494	VV	0.060		6.65E-005	* uncalibrated *
0.978	245964	VV	0.051		0.000246	* uncalibrated *
1.040	206222	VV	0.056		0.000206	* uncalibrated *
1.265	382505	VV	0.096		0.000383	* uncalibrated *
1.467	390171	VV	0.071		0.000390	* uncalibrated *
1.604	1393449	VV	0.121		0.00139	* uncalibrated *
1.798	738687	VV	0.103		0.000739	* uncalibrated *
1.966	403680	VV	0.078		0.000404	* uncalibrated *

ta File Name : A:\NV-F0883.D
Operator :
Instrument : RECON GC
Sample Name : SG-06, PH-03
In Time Bar Code:
Required on : 09 Dec 93 12:06 PM
Report Created on: 21 Jan 94 02:49 PM
Last Recalib on : 21 Jan 94 02:32 PM
Multiplier : 1

Page Number : 2
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: BLOOMREF.MTH
Analysis Method : BLOOMREF.MTH
Sample Amount : 0
ISTD Amount :

2.112	1039547 VV	0.087	0.00104	* uncalibrated *
2.501	1076964 VV	0.157	0.00108	* uncalibrated *
2.867	2207302 VV	0.144	0.00221	* uncalibrated *
3.003	1780939 VV	0.122	0.00178	* uncalibrated *
3.680	2630184 VV	0.355	0.00263	* uncalibrated *
4.216	442333 VV	0.140	0.000442	* uncalibrated *
4.396	406103 VV	0.131	0.000406	* uncalibrated *
4.648	1875835 VV	0.211	0.00188	* uncalibrated *
5.017	429696 VV	0.158	0.000430	* uncalibrated *
5.657	2785765 VV	0.354	0.00279	* uncalibrated *
6.003	911106 VV	0.170	0.000911	* uncalibrated *
7.467	377799 PV	0.249	0.000378	* uncalibrated *
8.455	185641 VV	0.199	0.000186	* uncalibrated *
8.881	265026 VV	0.242	0.000265	* uncalibrated *
9.396	389649 VV	0.283	0.000390	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.365	2.316	-2.1%

pt all calibrated peaks were found

=====



NOTES

- RW-2, RW-14, RW-15, RW-16, RW-17, RW-18 and RW-19 ARE IN SERVICE RECOVERY WELLS.
- RW-3 IS ALSO KNOWN AS MW-10.
- MW-1 AND MW-5 ARE SAMPLED FOR DISCHARGE PLAN.
- RW-15, MW-21, MW-20, MW-9 AND RW-18 ARE SAMPLED TO MEET RCRA REQUIREMENTS.
- ALL PROPERTY BOUNDARIES, WELL LOCATIONS, AND IMPROVEMENTS ARE APPROXIMATE.

LEGEND

- PIPEWAY
- UNDERGROUND PIPEWAY
- FENCE
- EXISTING MONITORING WELL
- EXISTING RECOVERY WELL
- PROPOSED RECOVERY WELL
- FORMER MONITORING WELL
- PROBE HOLE LOCATION
- PROPOSED MONITORING WELL
- PROPOSED BORING
- SEDIMENT AND SURFACE WATER SAMPLE

PH-24 = PROBE HOLE NUMBER

B = BENZENE µg/l
T = TOLUENE µg/l
E = ETHYLBENZENE µg/l
X = XYLENES µg/l
TVOC = TOTAL VOLATILE ORGANIC CONTENT µg/l
S = SHALLOW PROBE (3-4 FT.)
D = DEEP PROBE (7-10 FT.)

PH-24	S	D
B	16	88
T	115	271
E	27	63
X	181	393
TVOC	721	1571

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SIGNATURE	DATE
PROJECT GEO: <i>CWS</i>	2-14-94
PROJECT ENGR:	
PROJECT MGR:	
CLIENT:	

Bloomfield Refining Company
A Gary Energy Corporation Subsidiary
#50 COUNTY ROAD 4990
BLOOMFIELD, NEW MEXICO

GROUNDWATER TECHNOLOGY
2501 YALE BLVD. SE, SUITE 204
ALBUQUERQUE, NEW MEXICO 87106
(505) 242-3113

SOIL VAPOR SURVEY RESULTS

DESIGNED BY:	DRAFTED BY:	CHECKED BY:
<i>CWS</i>	J. ML	<i>CWS</i>
DATE:	FILE:	
FEBRUARY 14, 1994	VAPOR.DWG	
PROJECT NO.:	CONTRACT:	
023353014		
DRAWING:	REVISION:	
	0	

FIGURE 2



External Standard Report

Data File Name : A:\NV-F1021.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-79, PH-40
 Run Time Bar Code:
 Acquired on : 12 Dec 93 11:36 AM
 Report Created on: 21 Jan 94 06:14 PM
 Last Recalib on : 21 Jan 94 06:06 PM
 Multiplier : 1

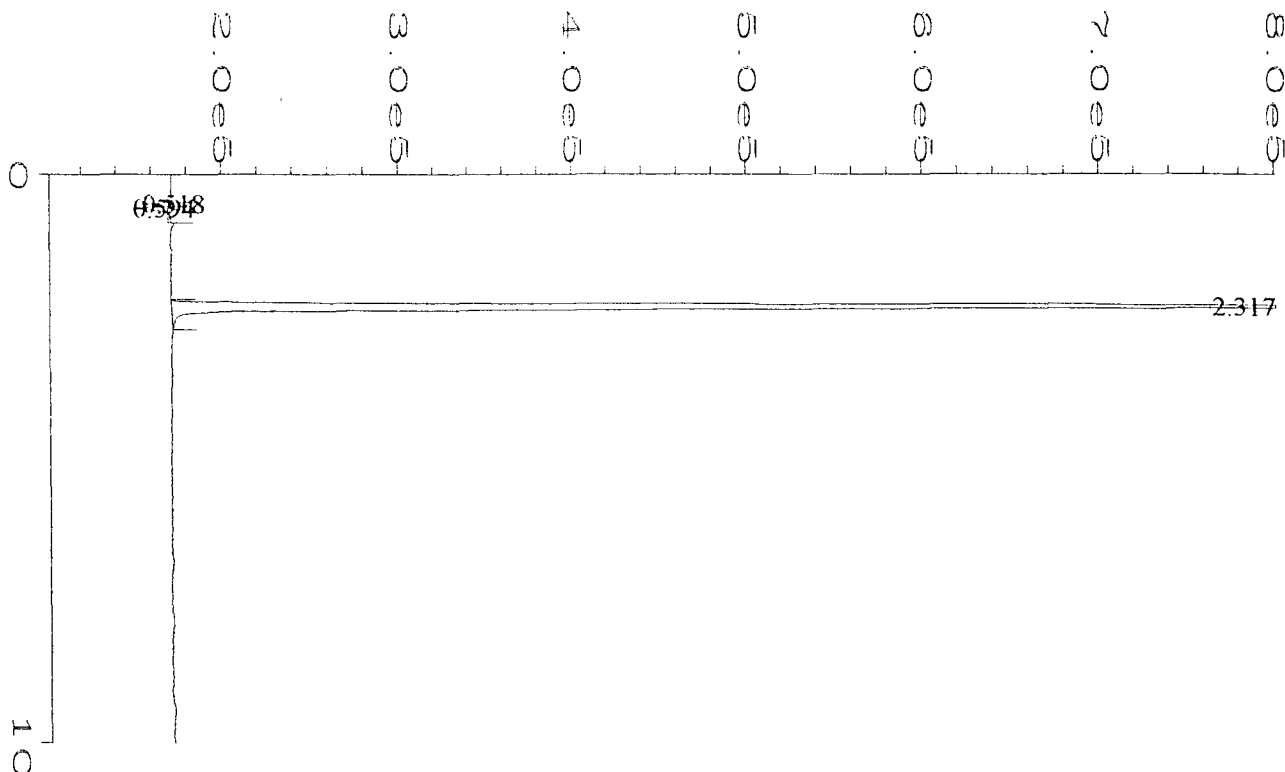
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F1021.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.742	* not found *			1		Benzene
2.317	7203983	BB	0.077	1-R	0.00207	a,a,a-TFT
3.335	* not found *			1		Toluene
6.426	* not found *			1		Ethylbenzene
6.822	* not found *			1		m & p-Xylene
8.217	* not found *			1		o-Xylene
0.536	32342	BP	0.049		3.23E-005	* uncalibrated *
0.592	39589	PP -	0.038		3.96E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.334	2.317	-0.7%

Not all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F1022.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-80, PH-41
 In Time Bar Code:
 Acquired on : 12 Dec 93 12:09 PM
 Report Created on: 21 Jan 94 06:14 PM
 Last Recalib on : 21 Jan 94 06:06 PM
 Multiplier : 1

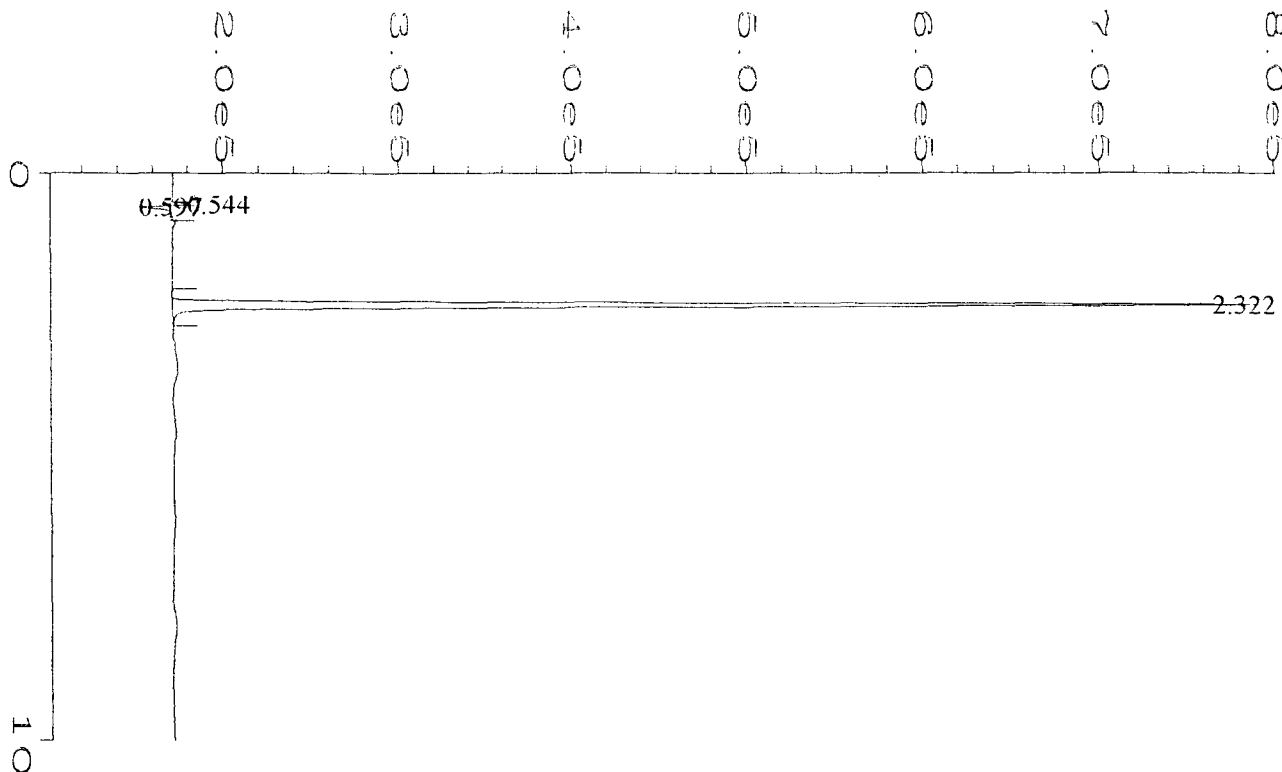
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F1022.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.742	* not found *			1		Benzene
2.317	4931678	BB	0.077	1-R	0.00141	a,a,a-TFT
3.335	* not found *			1		Toluene
6.426	* not found *			1		Ethylbenzene
6.822	* not found *			1		m & p-Xylene
8.217	* not found *			1		o-Xylene
0.518	34197	BV -	0.038		3.42E-005	* uncalibrated *
0.594	43116	PP -	0.038		4.31E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.334	2.317	-0.7%

all calibrated peaks were found



External Standard Report

File Name : A:\NV-F1023.D

Operator :

Instrument : RECON GC

Sample Name : SG-81, PH-41

Time Bar Code:

Acquired on : 12 Dec 93 12:24 PM

Report Created on: 21 Jan 94 06:15 PM

Recalib on : 21 Jan 94 06:06 PM

Multiplier : 1

Page Number : 1

Vial Number :

Injection Number :

Sequence Line :

Instrument Method: BLOOMREF.MTH

Analysis Method : BLOOMREF.MTH

Sample Amount : 0

ISTD Amount :

1 in A:\NV-F1023.D

Time	Area	Type	Width	Ref#	ug/L	Name
1.742	* not found *			1		Benzene
2.322	3093576	BB	0.078	1-R	0.000888	a,a,a-TFT
3.335	* not found *			1		Toluene
5.426	* not found *			1		Ethylbenzene
5.822	* not found *			1		m & p-Xylene
8.217	* not found *			1		o-Xylene
0.544	26732	BP	0.052		2.67E-005	* uncalibrated *
0.597	33263	PP -	0.031		3.33E-005	* uncalibrated *

Time Reference Peak

2

Expected RT

2.334

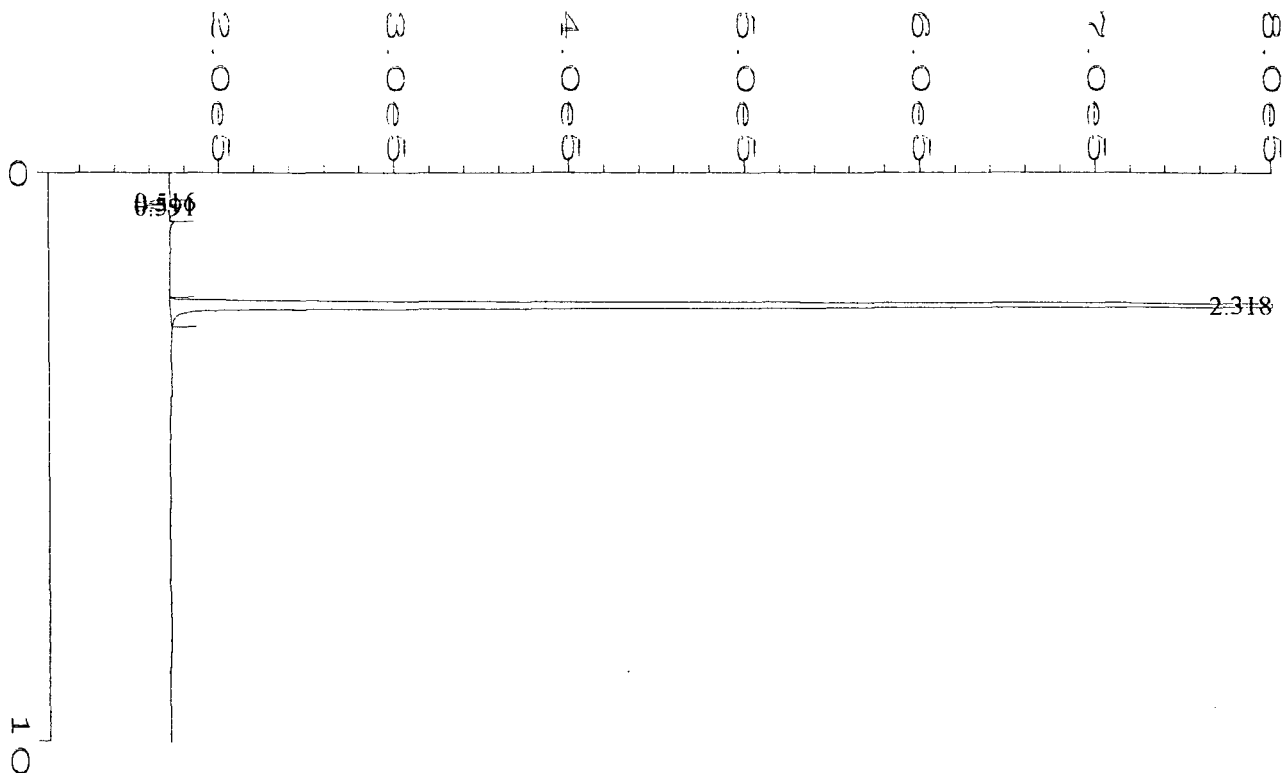
Actual RT

2.322

Difference

-0.5%

all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F1024.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-82, PH-42
 Run Time Bar Code:
 Acquired on : 12 Dec 93 12:40 PM
 Report Created on: 21 Jan 94 06:16 PM
 Last Recalib on : 21 Jan 94 06:06 PM
 Multiplier : 1

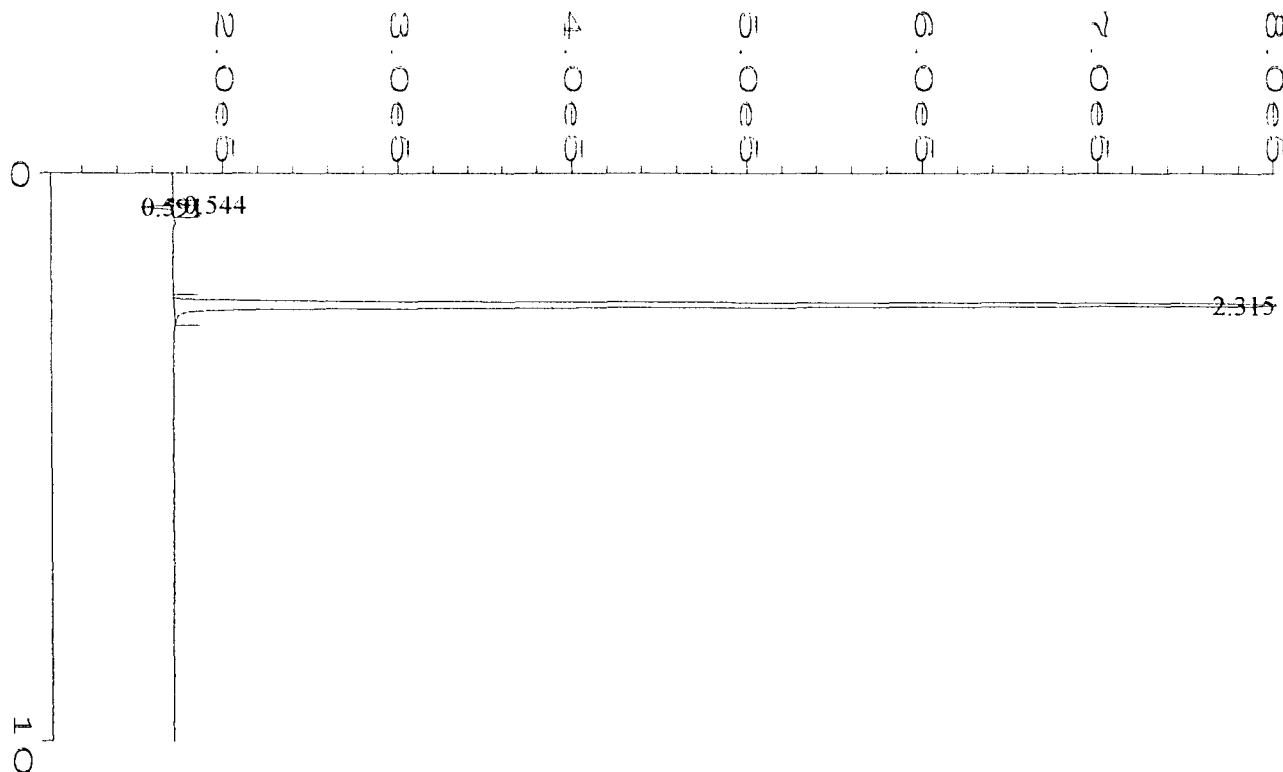
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F1024.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.742	* not found *			1		Benzene
2.318	6063180	BB	0.077	1-R	0.00174	a,a,a-TFT
3.335	* not found *			1		Toluene
6.426	* not found *			1		Ethylbenzene
6.822	* not found *			1		m & p-Xylene
8.217	* not found *			1		o-Xylene
0.516	53302	BV -	0.044		5.33E-005	* uncalibrated *
0.591	56499	PP -	0.044		5.65E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.334	2.318	-0.7%

Not all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F1025.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-83, PH-42
 Run Time Bar Code:
 Acquired on : 12 Dec 93 12:55 PM
 Report Created on: 21 Jan 94 06:17 PM
 Last Recalib on : 21 Jan 94 06:06 PM
 Multiplier : 1

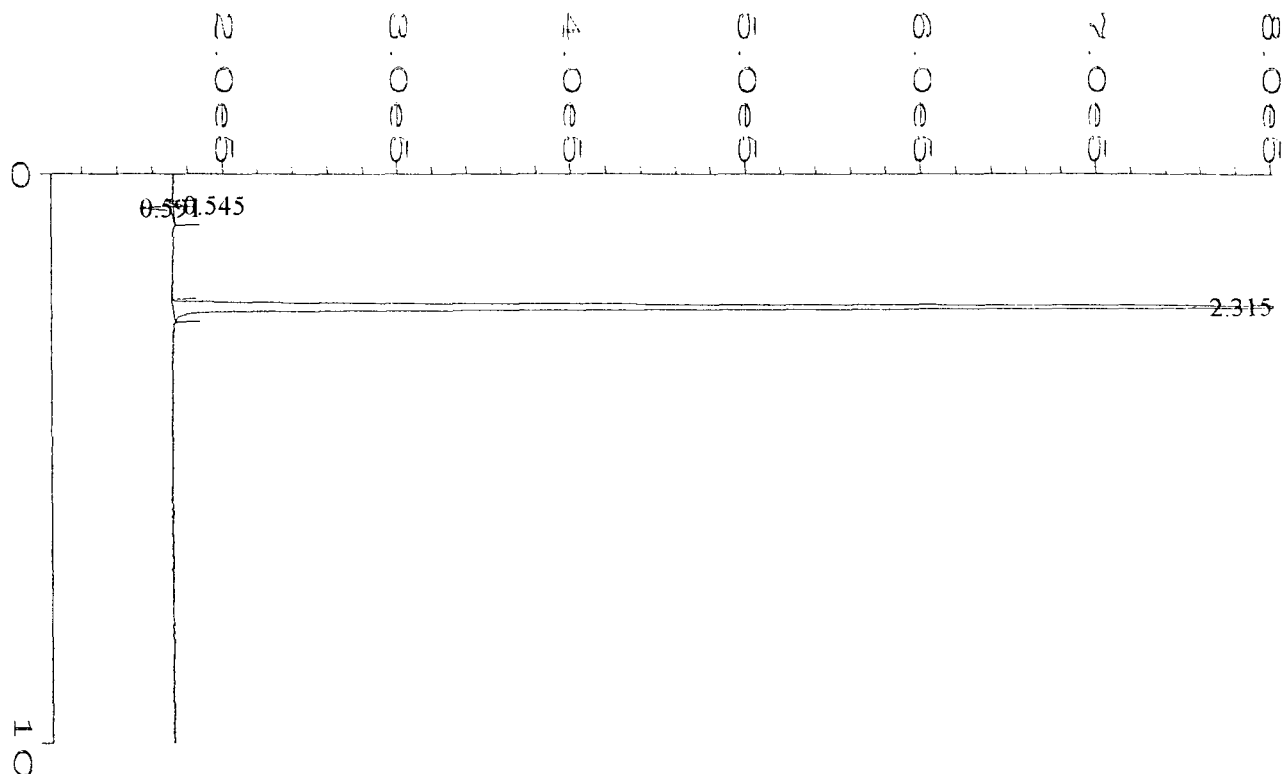
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F1025.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.742	* not found *			1		Benzene
2.315	4440387	BB	0.077	1-R	0.00127	a,a,a-TFT
3.335	* not found *			1		Toluene
6.426	* not found *			1		Ethylbenzene
6.822	* not found *			1		m & p-Xylene
8.217	* not found *			1		o-Xylene
0.544	9917	BP	0.028		9.92E-006	* uncalibrated *
0.591	53192	PV -	0.045		5.32E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.334	2.315	-0.8%

Not all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F1026.D
 Operator :
 Instrument : RECON GC
 Sample Name : SG-83(D), PH-42
 Run Time Bar Code:
 Acquired on : 12 Dec 93 01:08 PM
 Report Created on: 21 Jan 94 06:18 PM
 Last Recalib on : 21 Jan 94 06:06 PM
 Multiplier : 1

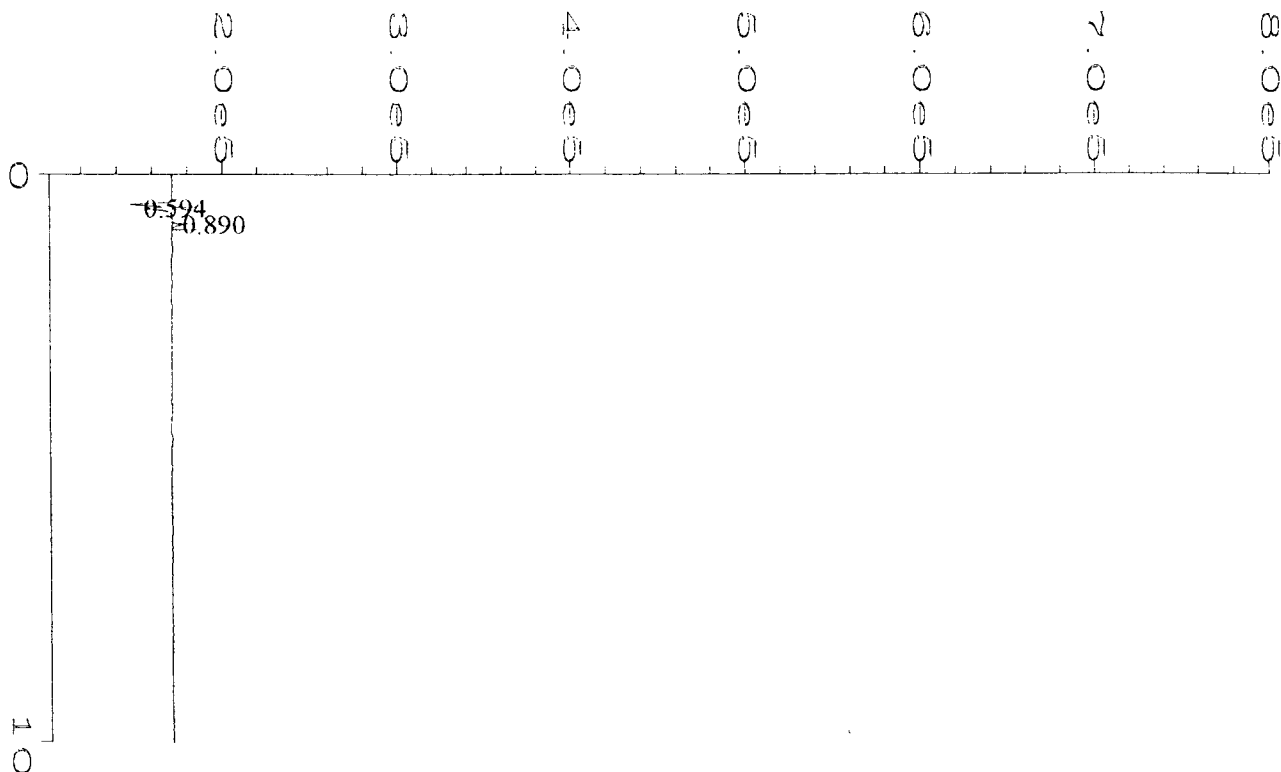
Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

g. 1 in A:\NV-F1026.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.742	* not found *			1		Benzene
2.315	4418897	PV	0.077	1-R	0.00127	a,a,a-TFT
3.335	* not found *			1		Toluene
6.426	* not found *			1		Ethylbenzene
6.822	* not found *			1		m & p-Xylene
8.217	* not found *			1		o-Xylene
0.545	9310	BP	0.027		9.31E-006	* uncalibrated *
0.591	65815	PV -	0.051		6.58E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.334	2.315	-0.8%

at all calibrated peaks were found



External Standard Report

Data File Name : A:\NV-F1027.D

Operator :

Instrument : RECON GC

Sample Name : BLANK-17

Run Time Bar Code:

Acquired on : 12 Dec 93 01:59 PM

Report Created on: 21 Jan 94 06:19 PM

Last Recalib on : 21 Jan 94 06:06 PM

Multiplier : 1

Page Number : 1

Vial Number :

Injection Number :

Sequence Line :

Instrument Method: BLOOMREF.MTH

Analysis Method : BLOOMREF.MTH

Sample Amount : 0

ISTD Amount :

Fig. 1 in A:\NV-F1027.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.742	* not found *			1		Benzene
2.334	* not found *			1-R		a,a,a-TFT
3.335	* not found *			1		Toluene
6.426	* not found *			1		Ethylbenzene
6.822	* not found *			1		m & p-Xylene
8.217	* not found *			1		o-Xylene
0.594	48280 PP - 0.051				4.83E-005	* uncalibrated *
0.890	15372 PB 0.040				1.54E-005	* uncalibrated *

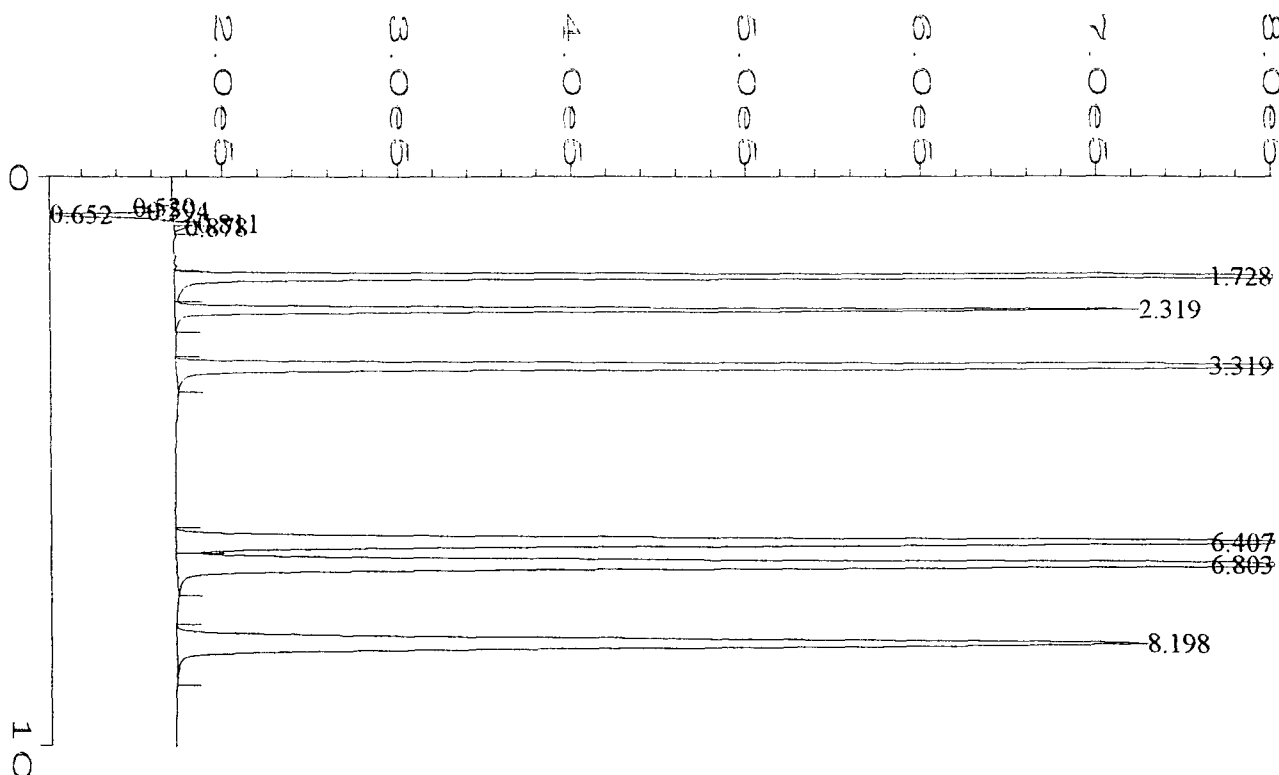
Time Reference Peak
2

Expected RT
2.334

Actual RT
* not found *

Could not find time reference peak:

No peak of Number 2's description at 2.334 + 0.117 - 0.117 min.
Not all time reference peaks were found



External Standard Report

Data File Name : A:\NV-F1028.D
 Operator :
 Instrument : RECON GC
 Sample Name : STD-1212-03
 Run Time Bar Code:
 Acquired on : 12 Dec 93 02:15 PM
 Report Created on: 21 Jan 94 06:20 PM
 Last Recalib on : 21 Jan 94 06:06 PM
 Multiplier : 1

Page Number : 1
 Vial Number :
 Injection Number :
 Sequence Line :
 Instrument Method: BLOOMREF.MTH
 Analysis Method : BLOOMREF.MTH
 Sample Amount : 0
 ISTD Amount :

Fig. 1 in A:\NV-F1028.D

Ret Time	Area	Type	Width	Ref#	ug/L	Name
1.728	7650678	PV	0.061	1	84.246	Benzene
2.319	2759098	VB	0.077	1-R	0.000792	a,a,a-TFT
3.319	7456498	BV	0.086	1	86.554	Toluene
6.407	6613005	BV	0.141	1	83.776	Ethylbenzene
6.803	7345735	VB	0.147	1	80.458	m & p-Xylene
8.198	6097140	BB	0.171	1	79.129	o-Xylene
0.520	62284	BV -	0.047		6.23E-005	* uncalibrated *
0.594	32049	PV -	0.035		3.20E-005	* uncalibrated *
0.652	331635	PP -	0.073		0.000332	* uncalibrated *
0.811	38502	PV	0.045		3.85E-005	* uncalibrated *
0.878	26210	VV	0.058		2.62E-005	* uncalibrated *

Time Reference Peak	Expected RT	Actual RT	Difference
2	2.334	2.319	-0.6%