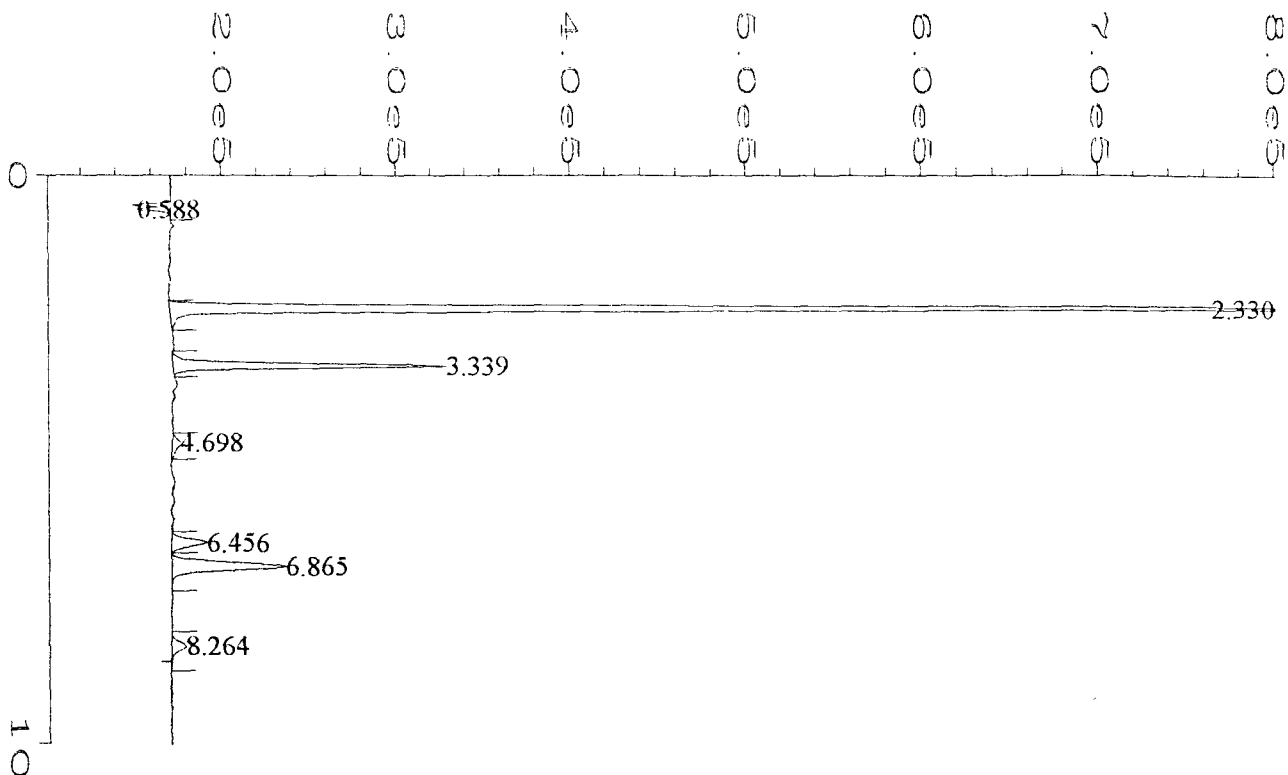


**GW - 1**

**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

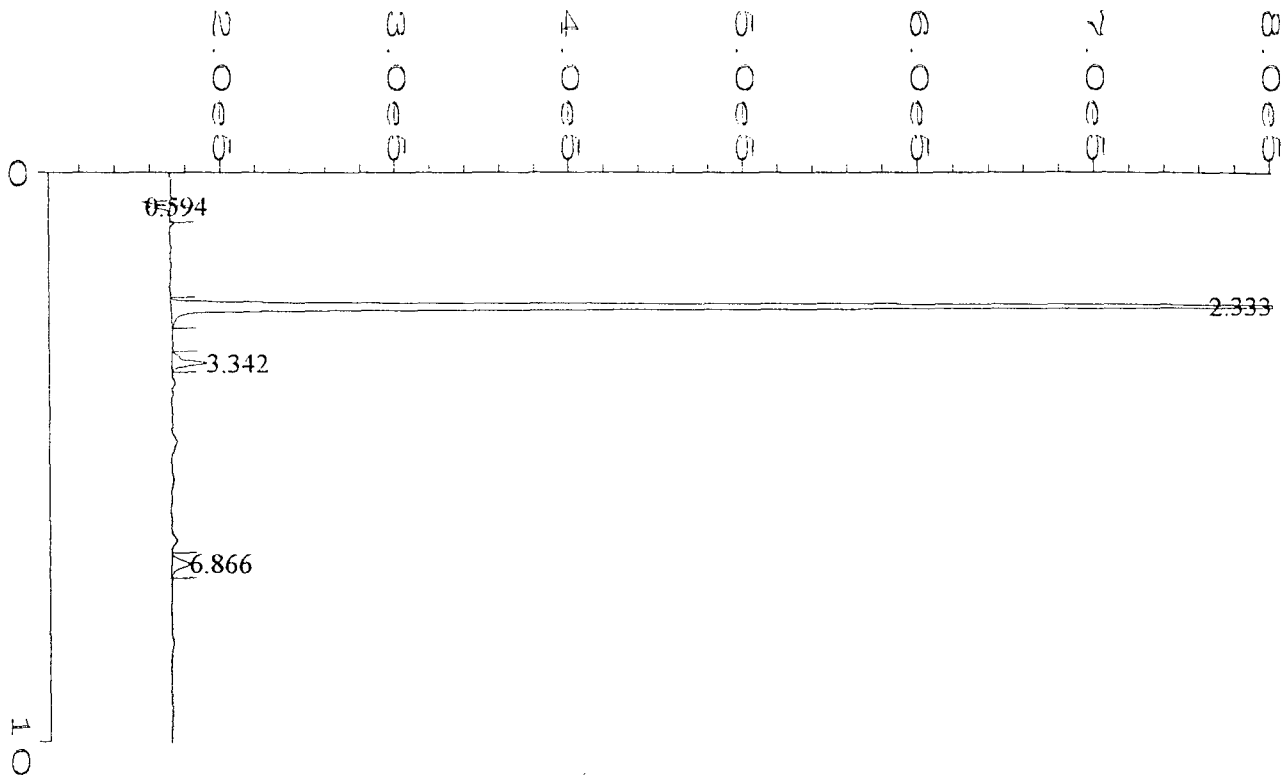
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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

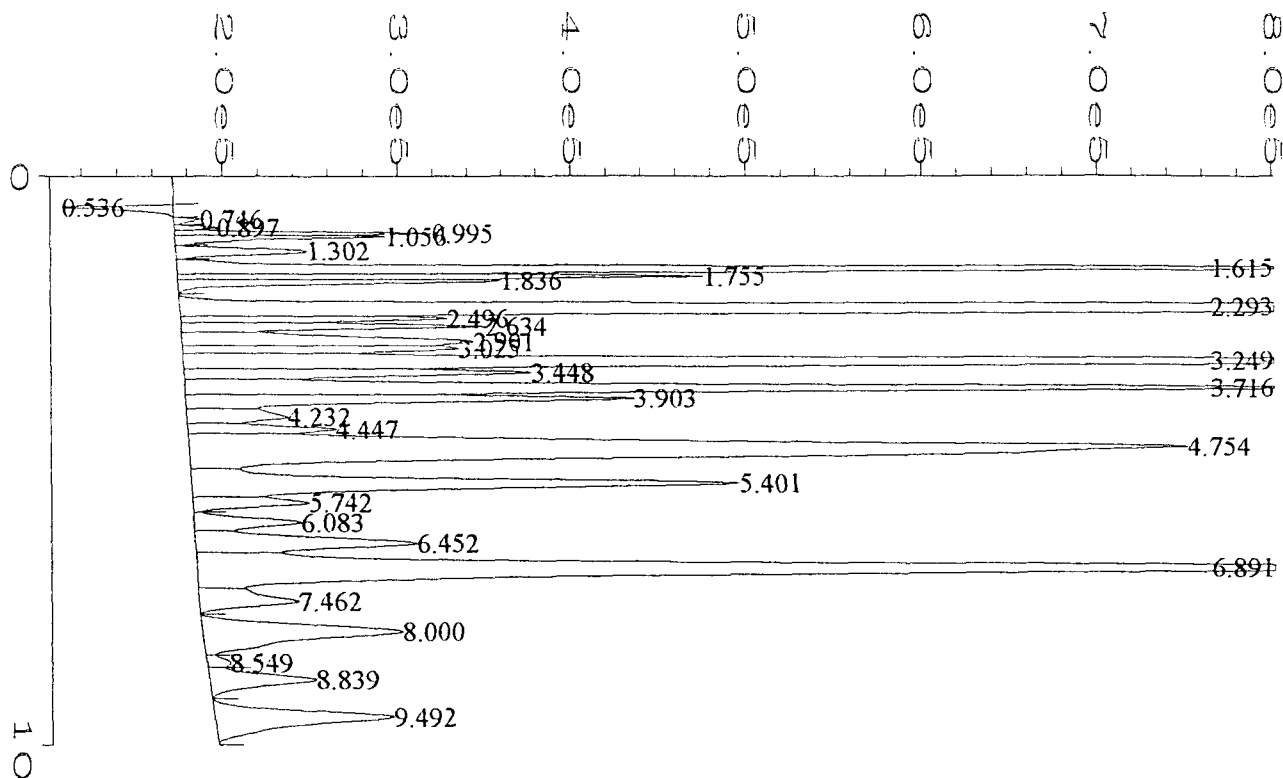
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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

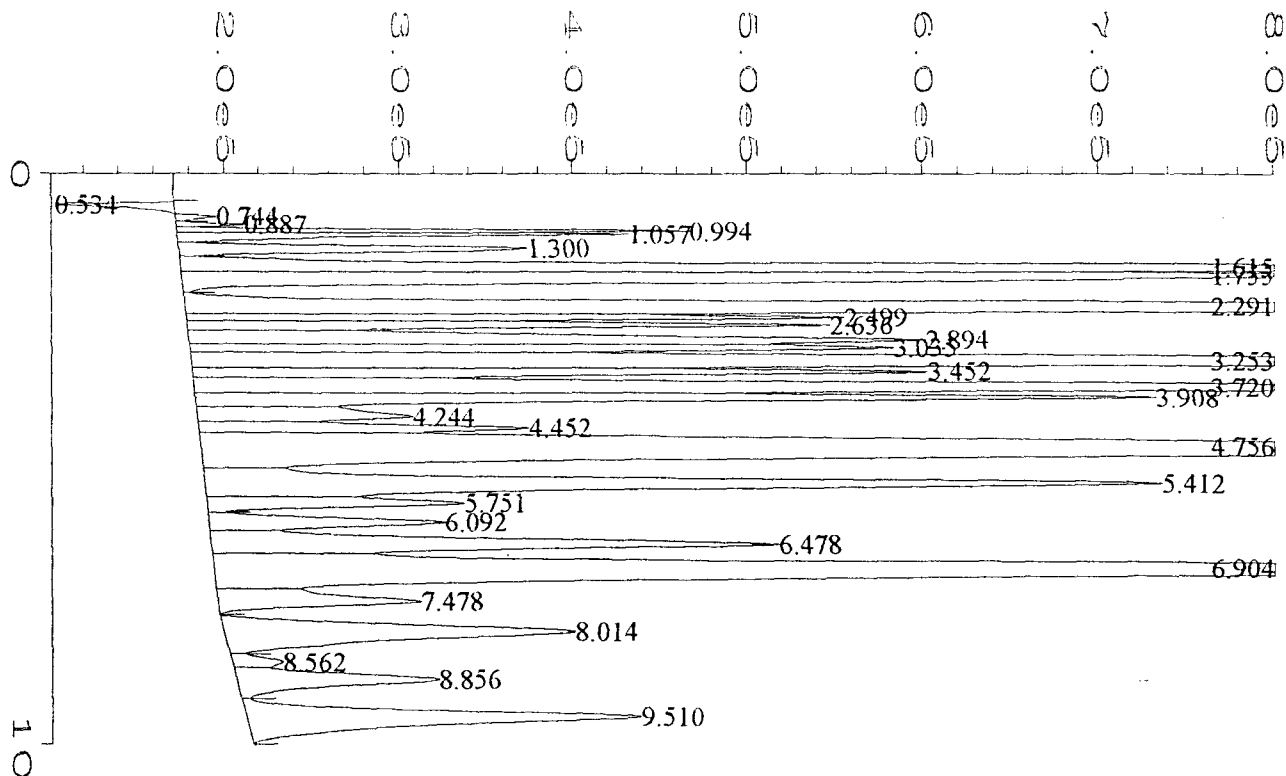
| Ret Time | Area         | Type | Width | Ref# | ug/L      | Name             |
|----------|--------------|------|-------|------|-----------|------------------|
| 1.755    | 1505786      | VV   | 0.072 | 1    | 16.109    | Benzene          |
| 2.293    | 2.03574E+007 | VV   | 0.112 | 1-R  | 0.00605   | 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 * |

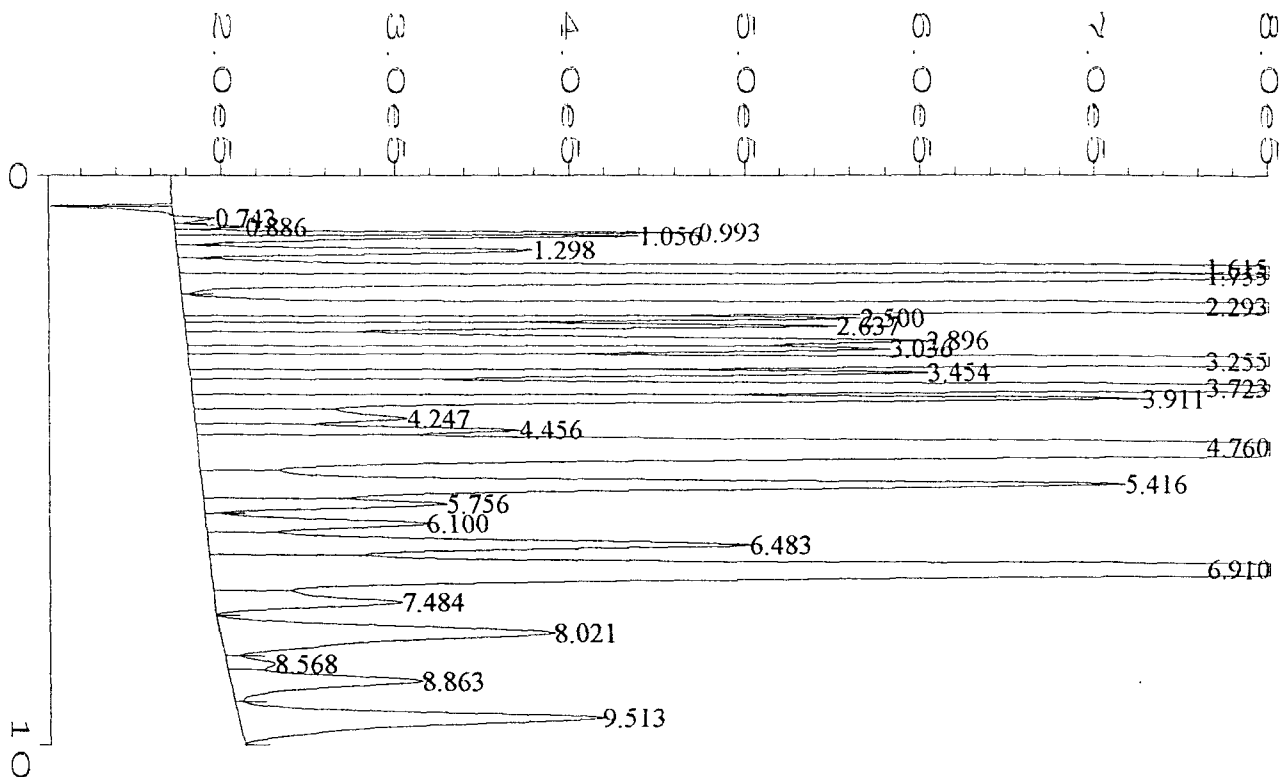
ta File Name : A:\NV-F0948.D  
erator :  
nstrument : RECON GC  
Sample Name : SG-48, PH-24  
n Time Bar Code:  
Required on : 10 Dec 93 04:10 PM  
Report Created on: 21 Jan 94 04:52 PM  
st Recalib on : 21 Jan 94 03:48 PM  
ltiplier : 1

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%      |

=====



### 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

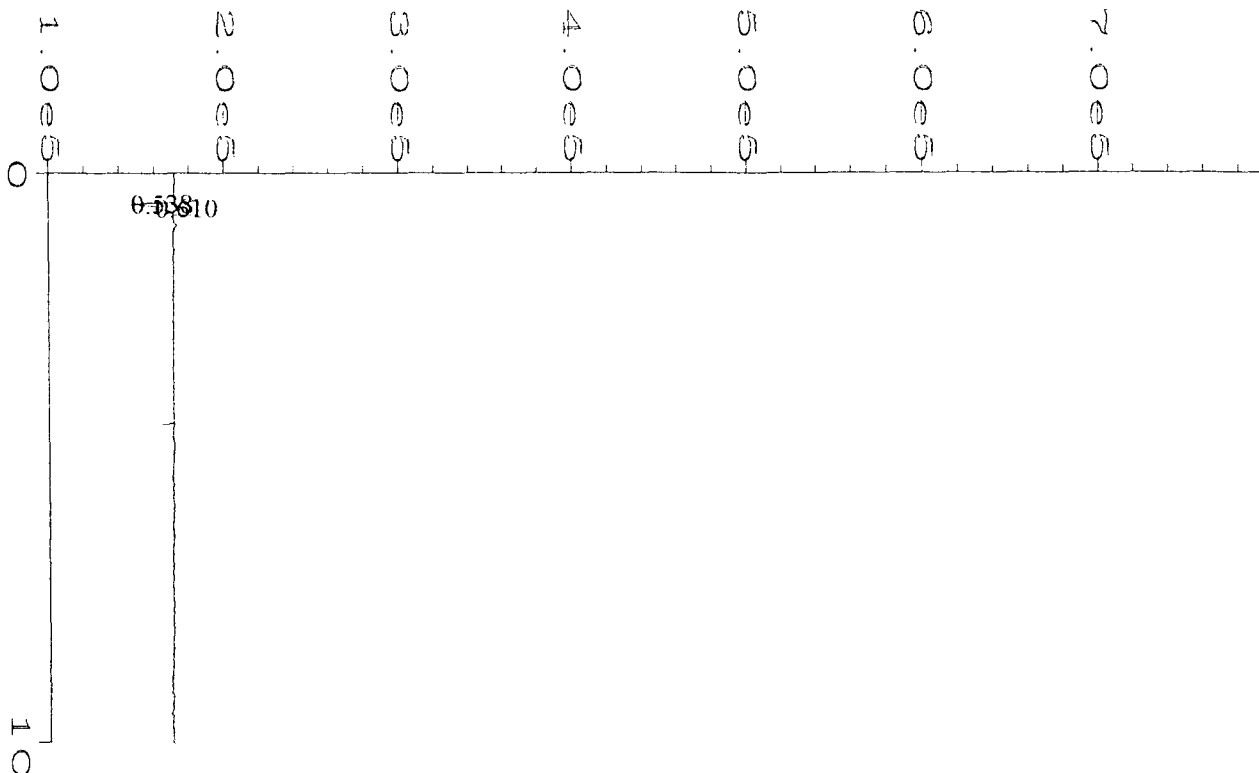
| Ret Time | Area         | Type | Width | Ref# | ug/L     | Name             |
|----------|--------------|------|-------|------|----------|------------------|
| 1.755    | 8489222      | VV   | 0.101 | 1    | 90.816   | Benzene          |
| 2.293    | 5.17397E+007 | VV   | 0.094 | 1-R  | 0.0154   | 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

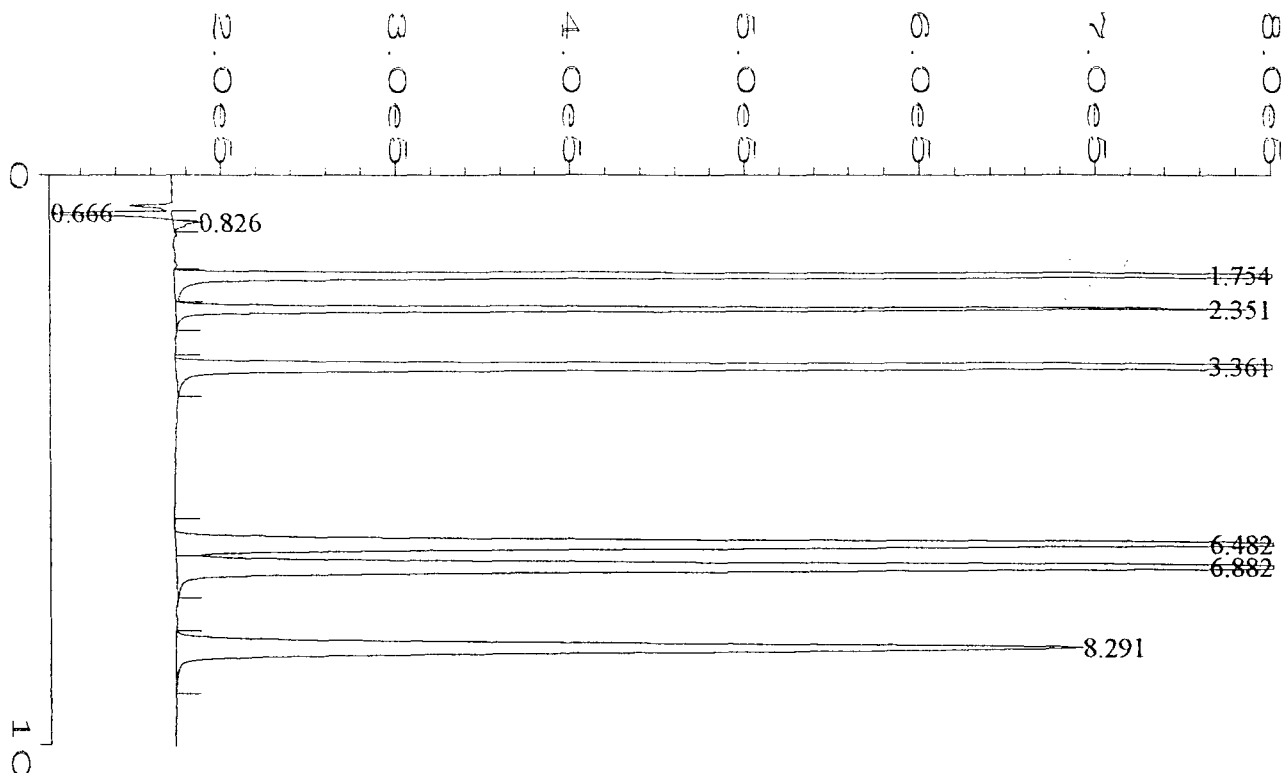
Page Number     : 1
Vial Number     :
Injection Number :
Sequence Line   :
Instrument Method: BLOOMREF.MTH
Analysis Method : BLOOMREF.MTH
Sample Amount   : 0
ISTD Amount     :
  
```

```

. 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

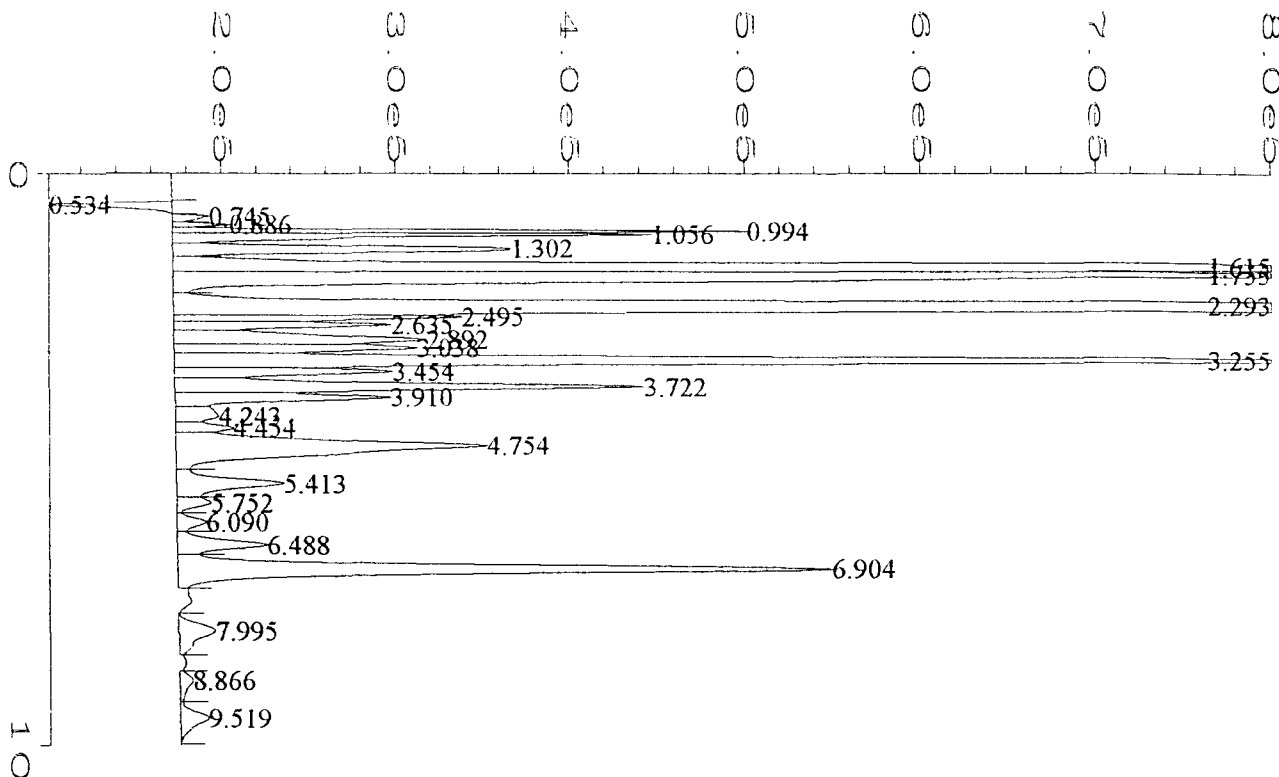
Data File Name : A:\NV-F0951.D  
 Operator :  
 Instrument : RECON GC  
 Sample Name : STD-1210-04  
 Run Time Bar Code:  
 Acquired on : 10 Dec 93 05:11 PM  
 Report Created on: 21 Jan 94 04:56 PM  
 Last Recalib on : 21 Jan 94 03:48 PM  
 Multiplier : 1

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

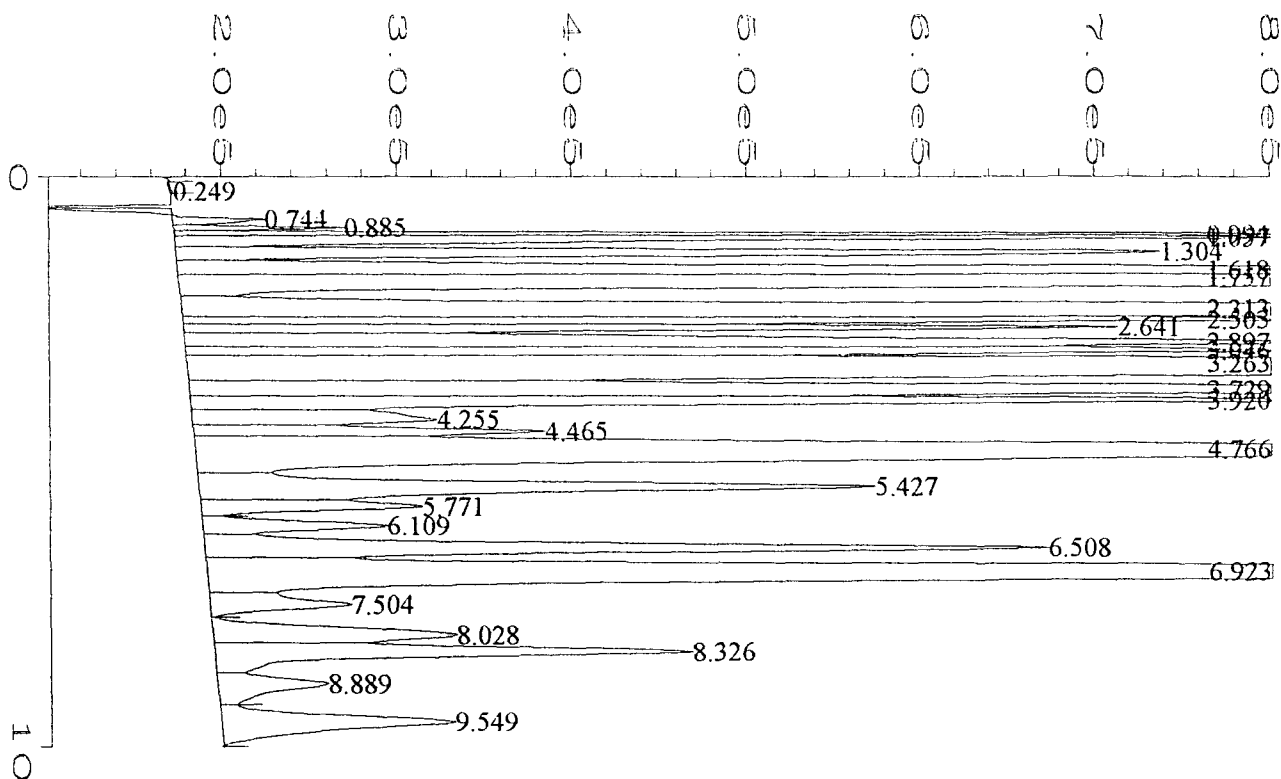
| Ret Time | Area         | Type | Width | Ref# | ug/L     | Name             |
|----------|--------------|------|-------|------|----------|------------------|
| 1.755    | 8465984      | VV   | 0.091 | 1    | 90.568   | Benzene          |
| 2.293    | 3.35089E+007 | VV   | 0.095 | 1-R  | 0.000996 | 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 * |

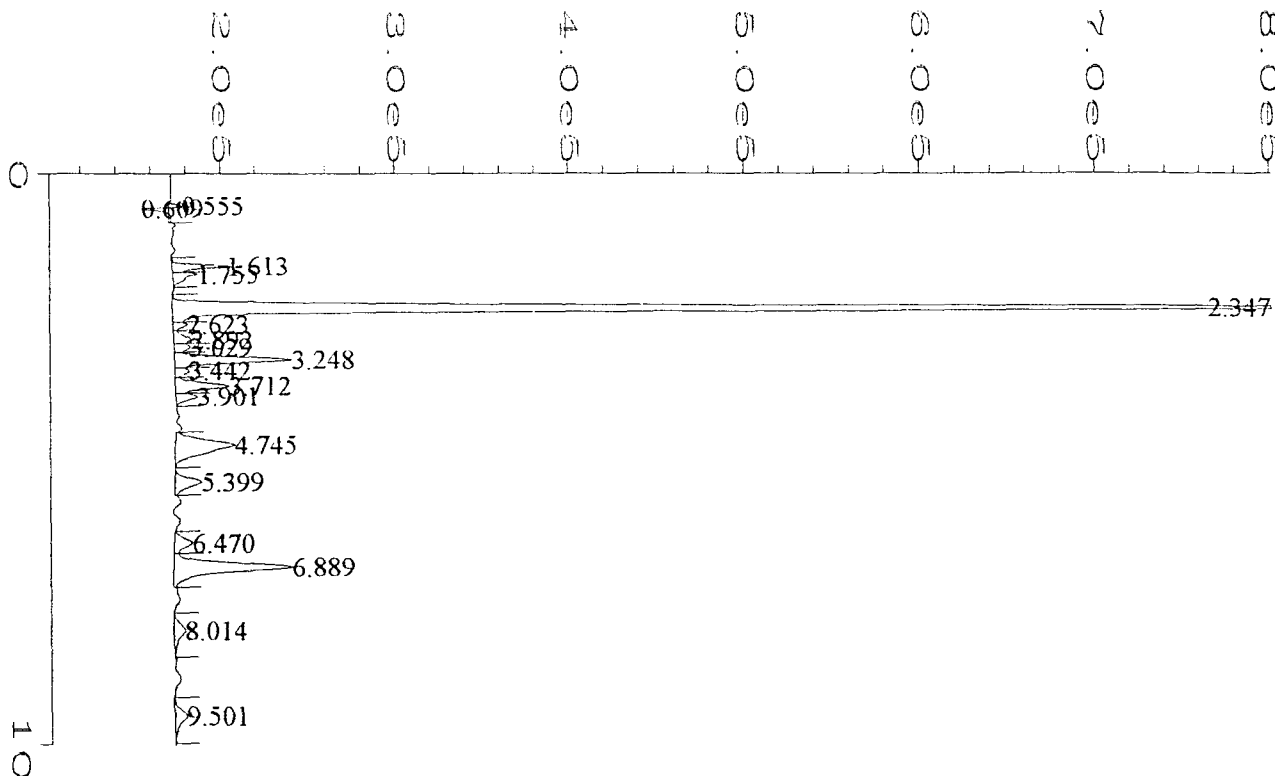
File Name : A:\NV-F0953.D  
rator :  
strument : RECON GC  
ole Name : SG-50, PH-25  
Time Bar Code:  
quired on : 10 Dec 93 05:51 PM  
ort Created on: 21 Jan 94 04:58 PM  
Recalib on : 21 Jan 94 03:48 PM  
ciplier : 1

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

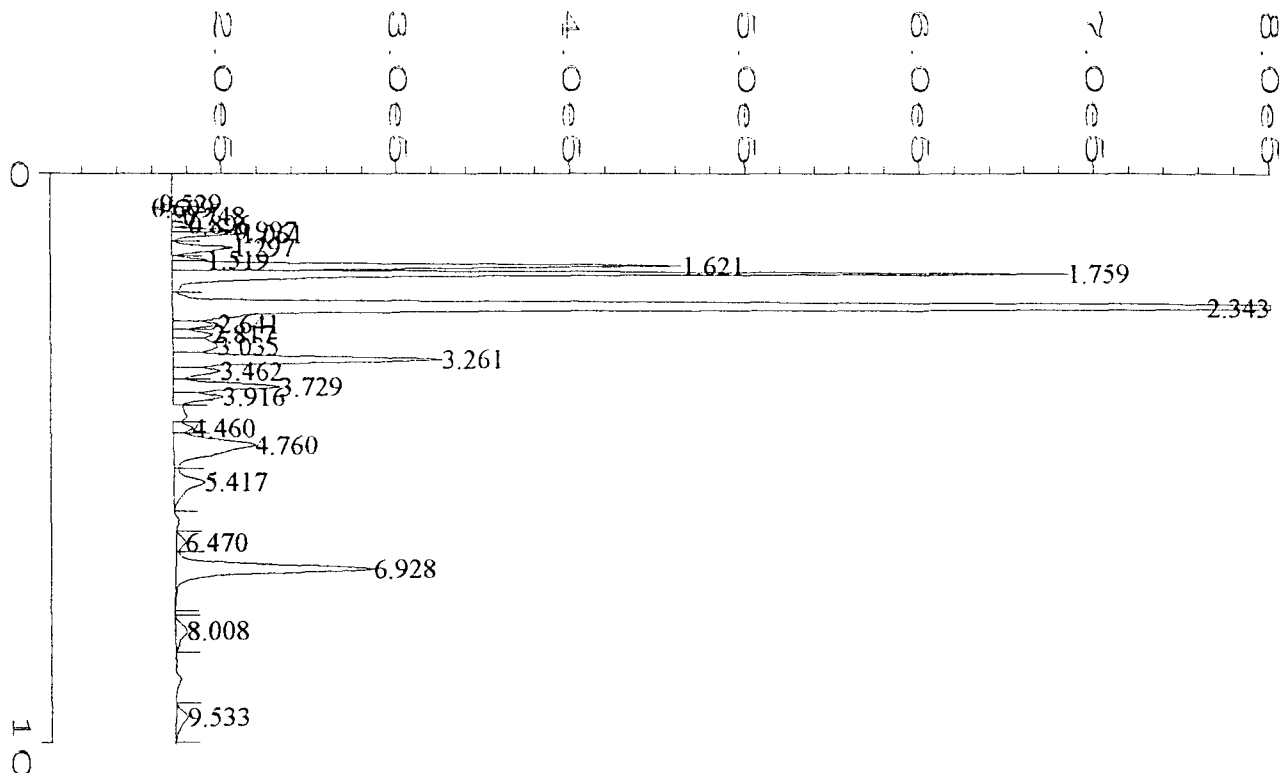
| Ret Time | Area    | Type | Width | Ref# | ug/L      | Name             |
|----------|---------|------|-------|------|-----------|------------------|
| 1.755    | 97796   | VB   | 0.098 | 1    | 1.046     | Benzene          |
| 2.347    | 5532685 | BV   | 0.087 | 1-R  | 0.00165   | a,a,a-TFT        |
| 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

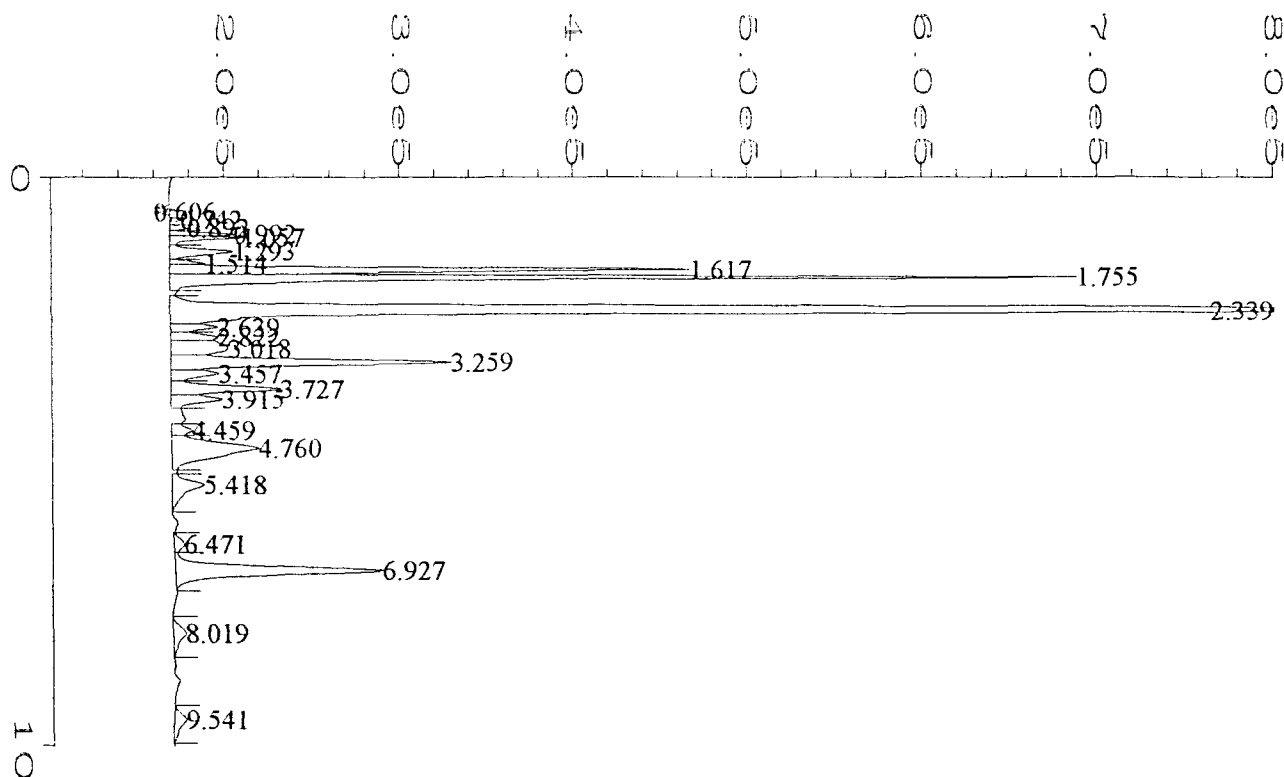
| Ret Time | Area    | Type | Width | Ref# | ug/L      | Name             |
|----------|---------|------|-------|------|-----------|------------------|
| 1.759    | 2532991 | VV   | 0.073 | 1    | 27.098    | Benzene          |
| 2.343    | 7013899 | VV   | 0.131 | 1-R  | 0.00209   | a,a,a-TFT        |
| 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  
mple Name : SG-52, PH-26  
n Time Bar Code:  
cquired on : 10 Dec 93 07:27 PM  
Report Created on: 21 Jan 94 05:01 PM  
st Recalib on : 21 Jan 94 03:48 PM  
ultiplier : 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 * |

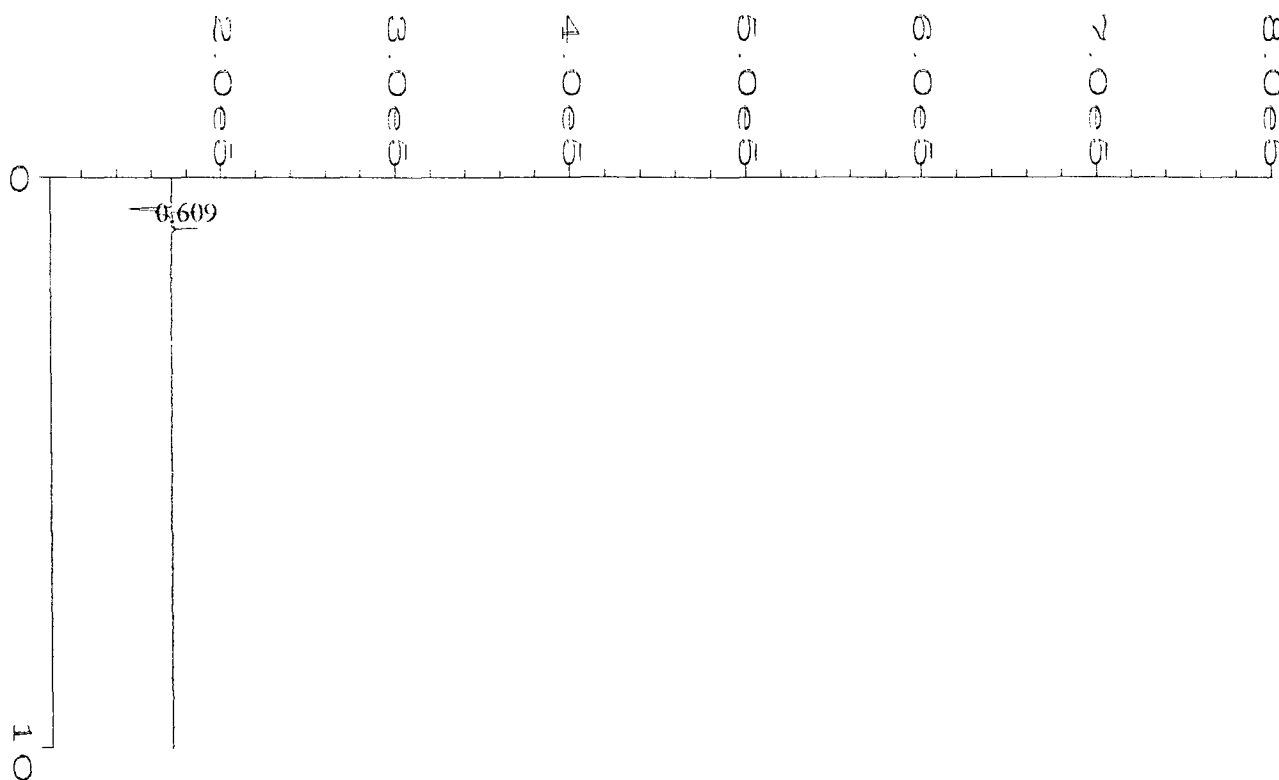
File Name : A:\NV-F0956.D  
Operator :  
Instrument : RECON GC  
Sample Name : SG-52(D), PH-26  
Time Bar Code:  
Acquired on : 10 Dec 93 07:42 PM  
Report Created on: 21 Jan 94 05:02 PM  
Last Recalib on : 21 Jan 94 03:48 PM  
Multiplier : 1

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

```

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

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 * |

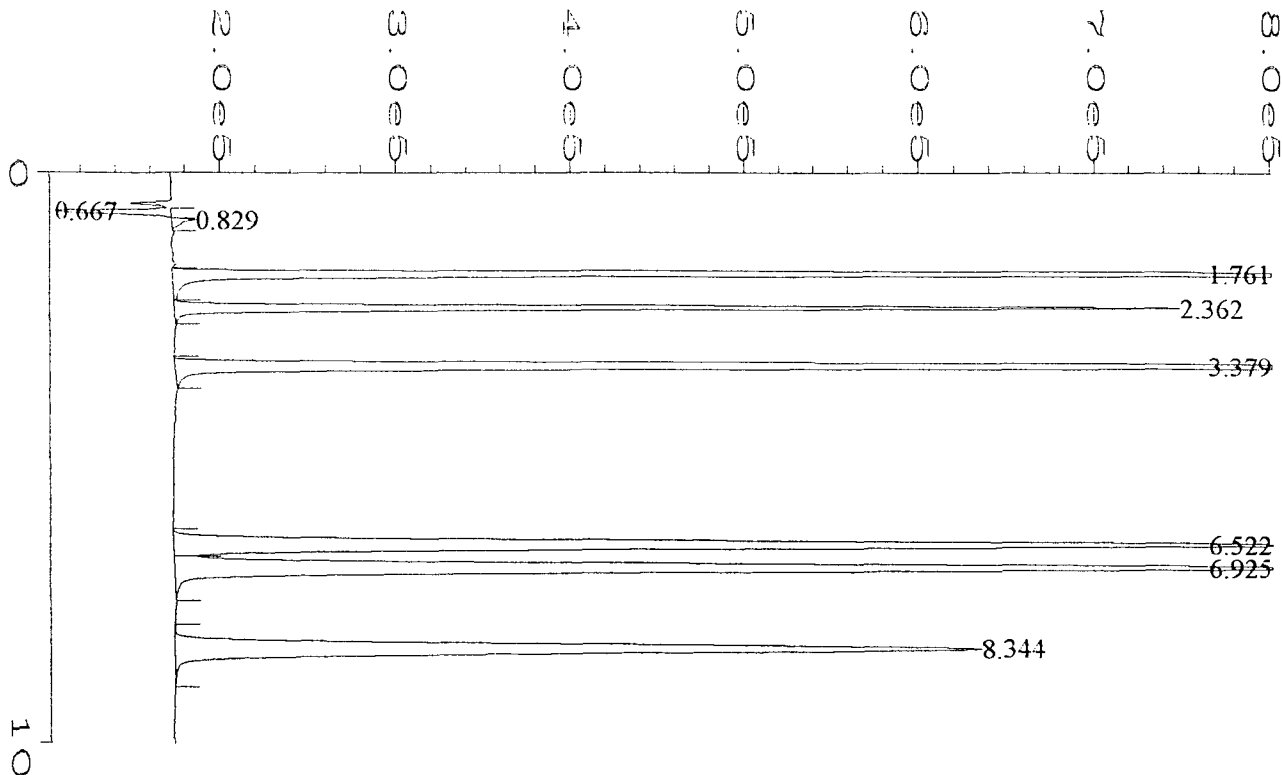
|                     |             |               |            |
|---------------------|-------------|---------------|------------|
| Time Reference Peak | Expected RT | Actual RT     | Difference |
| 2                   | 2.354       | * not found * |            |

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      | Page Number        | : 1            |
| Operator           | :                    | Vial Number        | :              |
| Instrument         | : RECON GC           | Injection Number   | :              |
| Sample Name        | : STD-1210-05        | Sequence Line      | :              |
| Time Bar Code:     | :                    | Instrument Method: | BLOOMREF.MTH   |
| Acquired on        | : 10 Dec 93 08:17 PM | Analysis Method    | : BLOOMREF.MTH |
| Report Created on: | 21 Jan 94 05:05 PM   | Sample Amount      | : 0            |
| Last Recalib on    | : 21 Jan 94 03:48 PM | ISTD Amount        | :              |
| Multiplier         | : 1                  |                    |                |

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 :

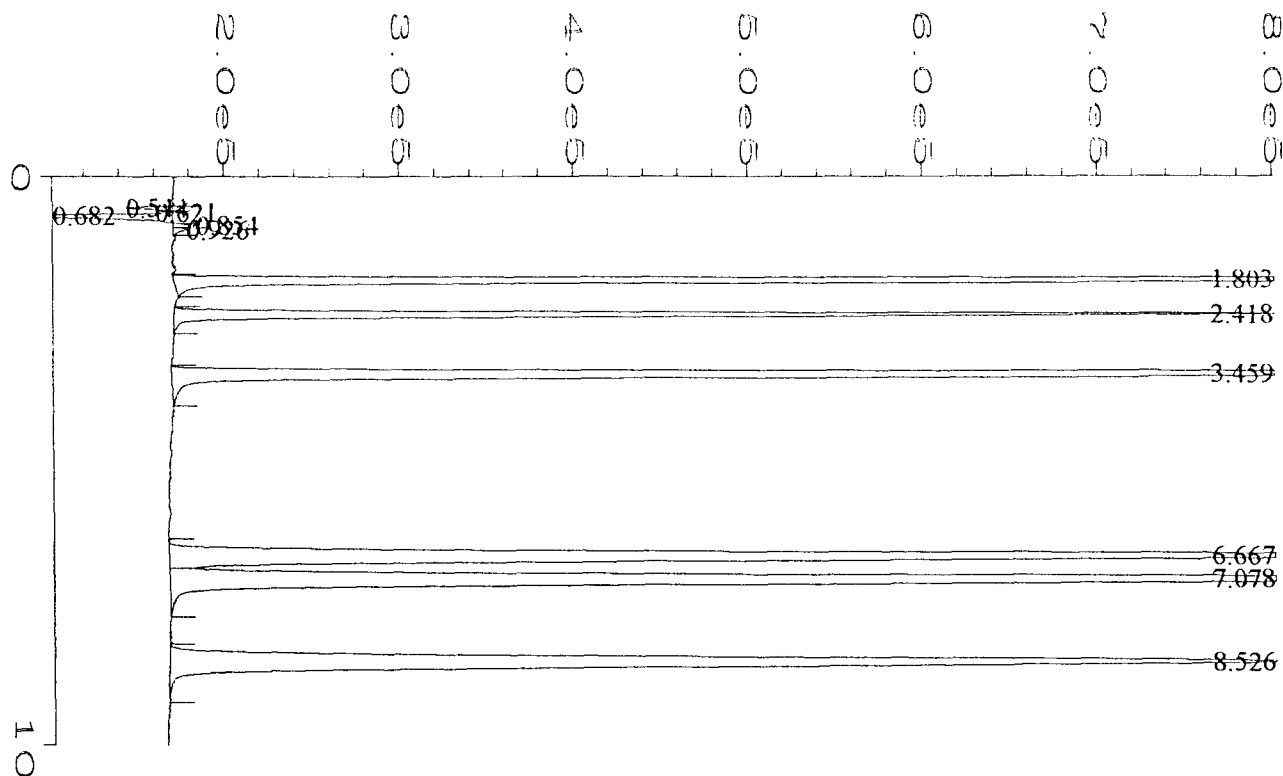
in A:\NV-F0971.D

| 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

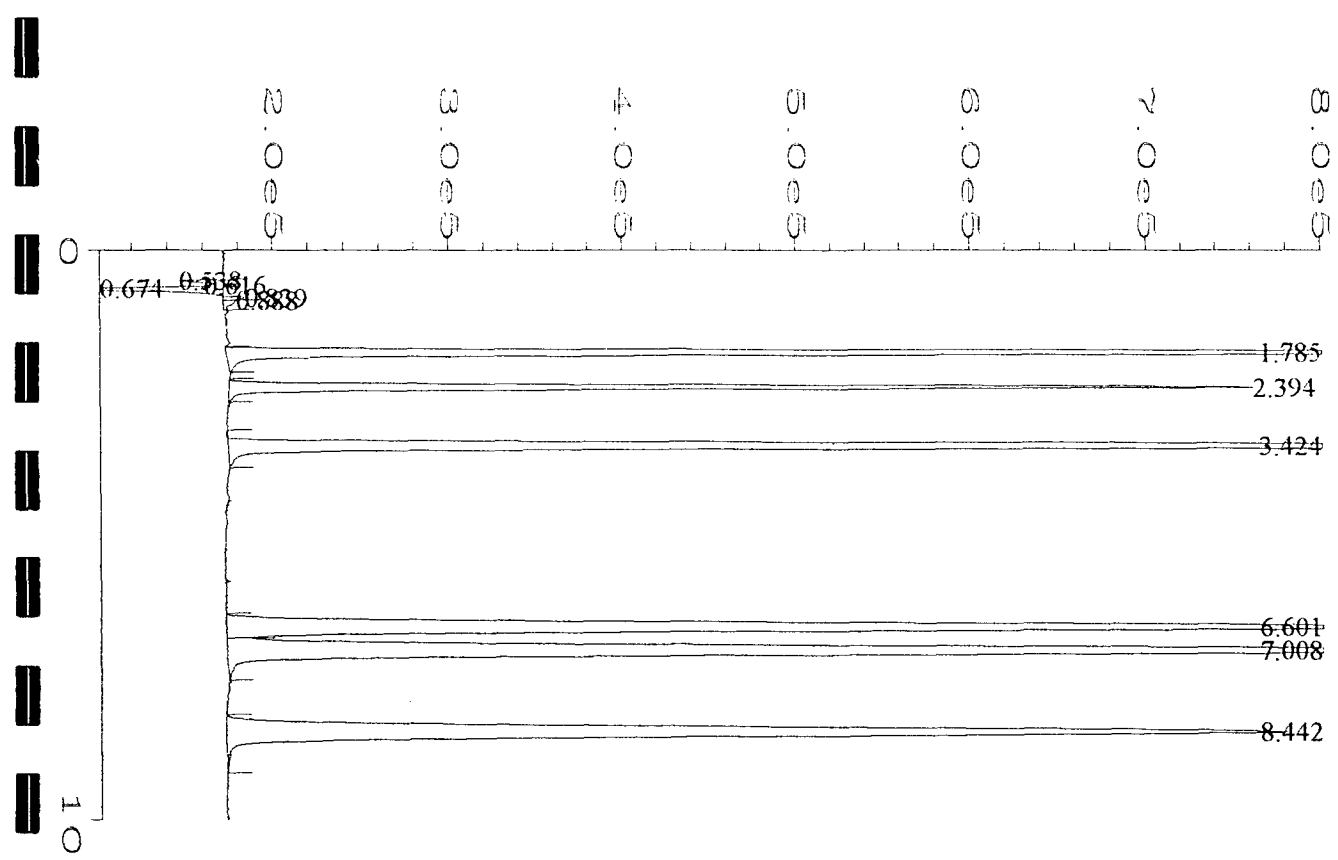
## Sample ISTD Information

No Sample ISTD Amounts

## Multilevel Information

Fit: Linear

Origin: Force



# External Standard Report

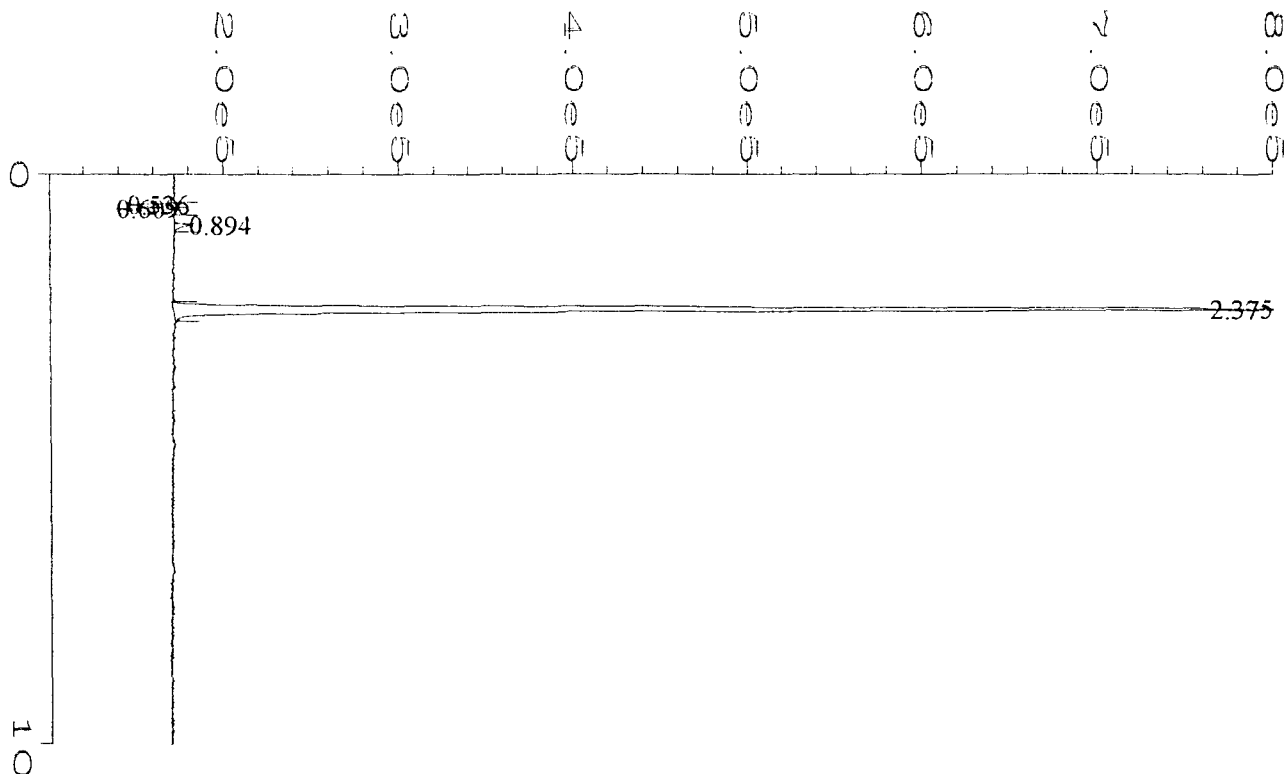
File Name : A:\NV-F0975.D  
 ator :  
 ument : RECON GC  
 e Name : STD-1211-02  
 ime Bar Code:  
 ired on : 11 Dec 93 11:55 AM  
 t Created on: 21 Jan 94 05:23 PM  
 Recalib on : 21 Jan 94 05:19 PM  
 iplier : 1

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-F0975.D

| Time | Area    | Type | Width | Ref# | ug/L      | Name             |
|------|---------|------|-------|------|-----------|------------------|
| 785  | 8058882 | PV   | 0.063 | 1    | 95.426    | Benzene          |
| 394  | 2988753 | BV   | 0.079 | 1-R  | 0.000924  | a,a,a-TFT        |
| 424  | 8011877 | BV   | 0.088 | 1    | 100.167   | Toluene          |
| 601  | 7286984 | BV   | 0.142 | 1    | 101.327   | Ethylbenzene     |
| 008  | 8187846 | VV   | 0.149 | 1    | 98.191    | m & p-Xylene     |
| 442  | 6795756 | BB   | 0.174 | 1    | 97.536    | o-Xylene         |
| 638  | 72768   | PV   | 0.047 |      | 7.28E-005 | * uncalibrated * |
| 616  | 24436   | PV   | 0.035 |      | 2.44E-005 | * uncalibrated * |
| 674  | 404318  | PP   | 0.077 |      | 0.000404  | * uncalibrated * |
| 839  | 36931   | PV   | 0.047 |      | 3.69E-005 | * uncalibrated * |
| 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

Expected RT

Actual RT

Difference

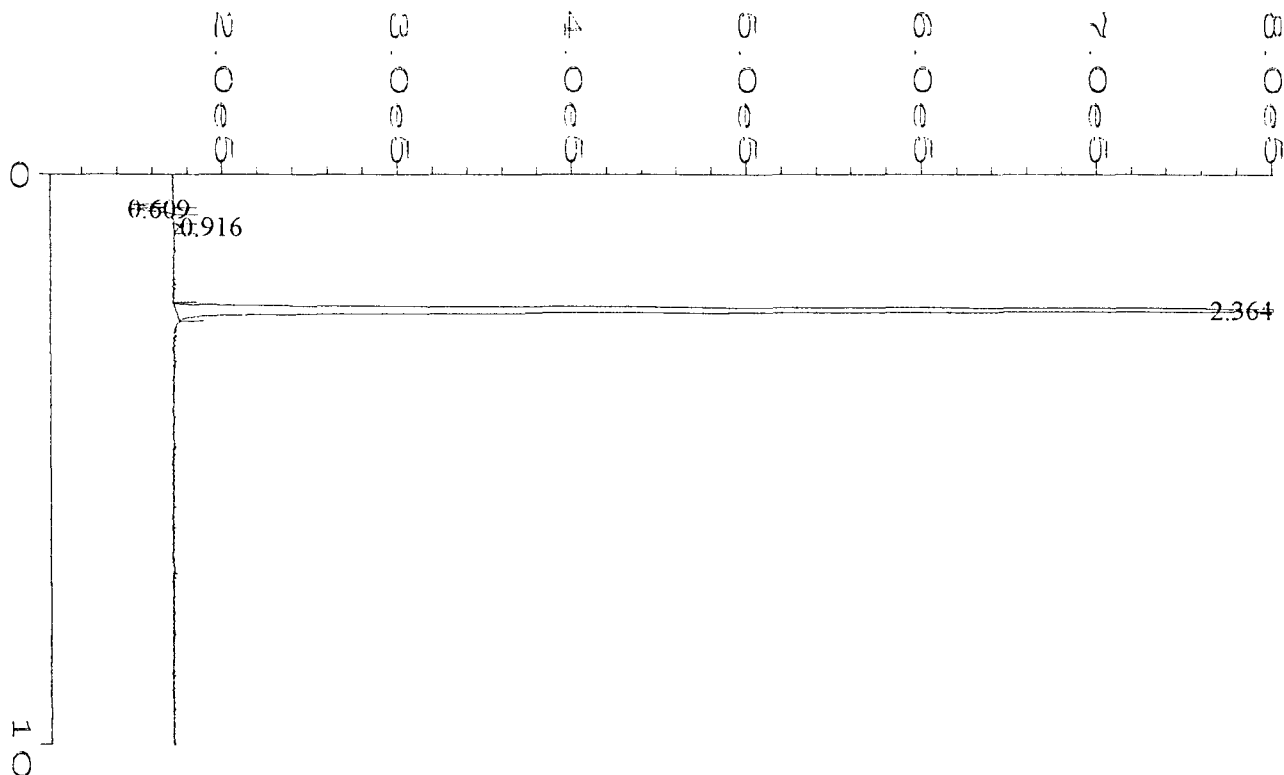
2

2.418

2.375

-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

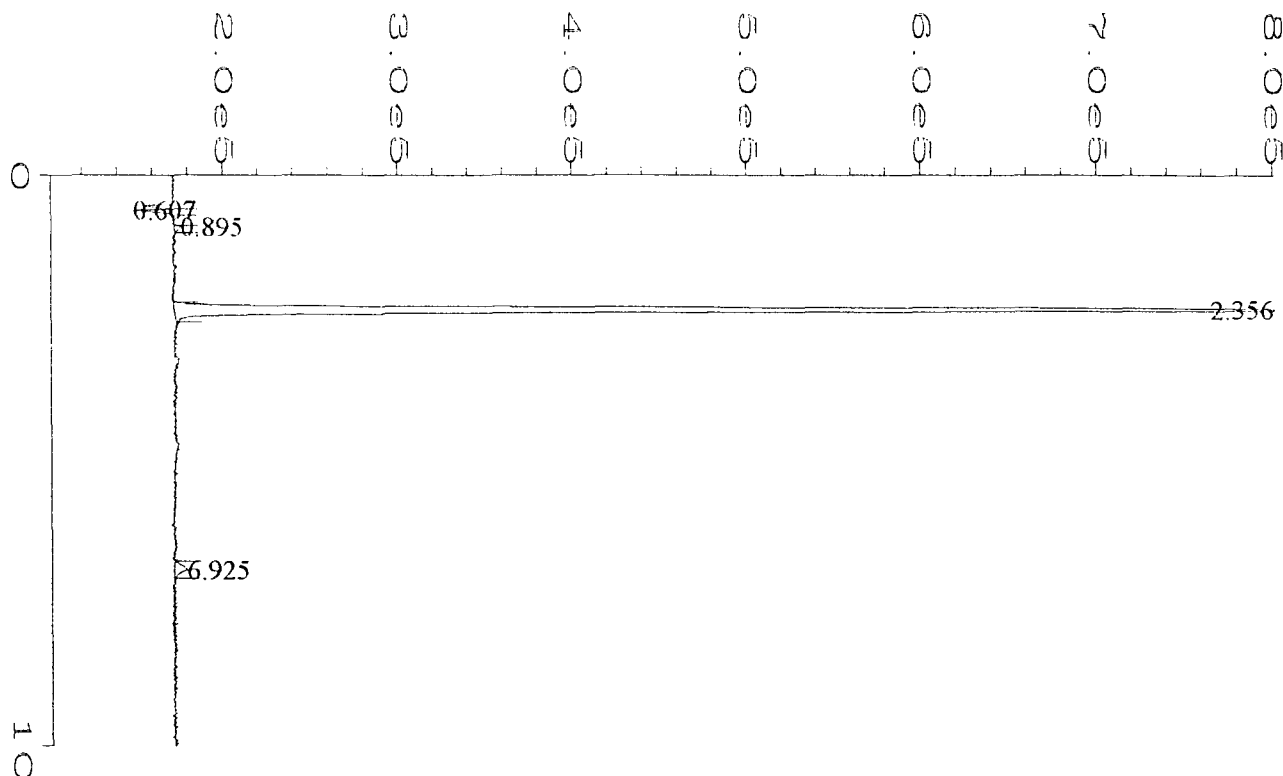
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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

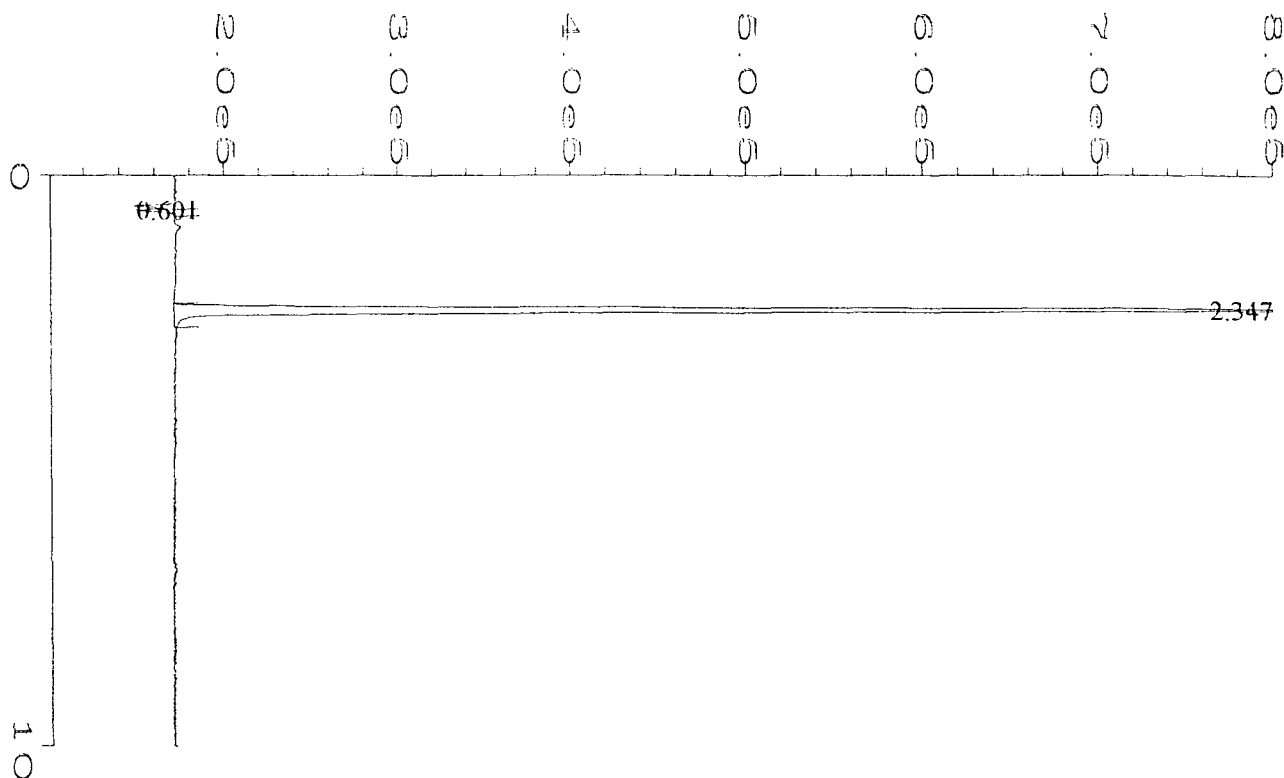
|                    |                      |                    |                |
|--------------------|----------------------|--------------------|----------------|
| File Name          | : A:\NV-F0978.D      | Page Number        | : 1            |
| Operator           | :                    | Vial 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

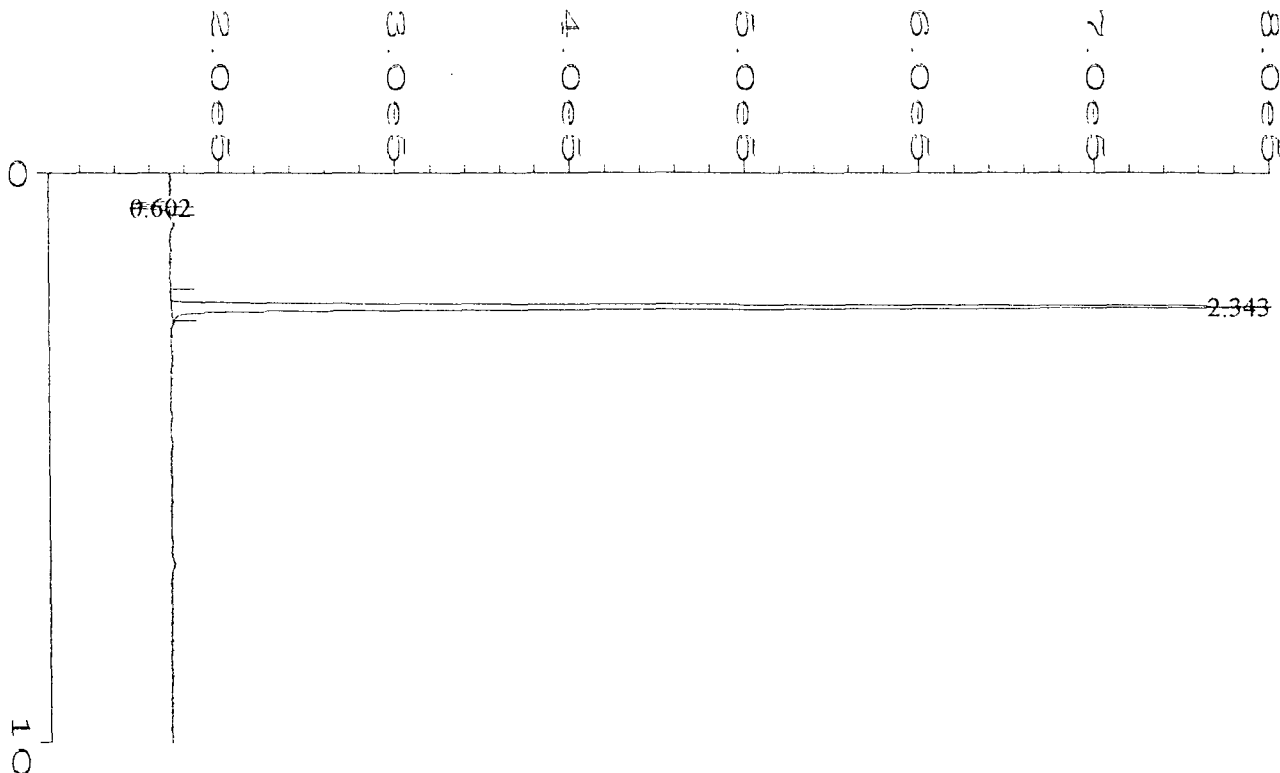
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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

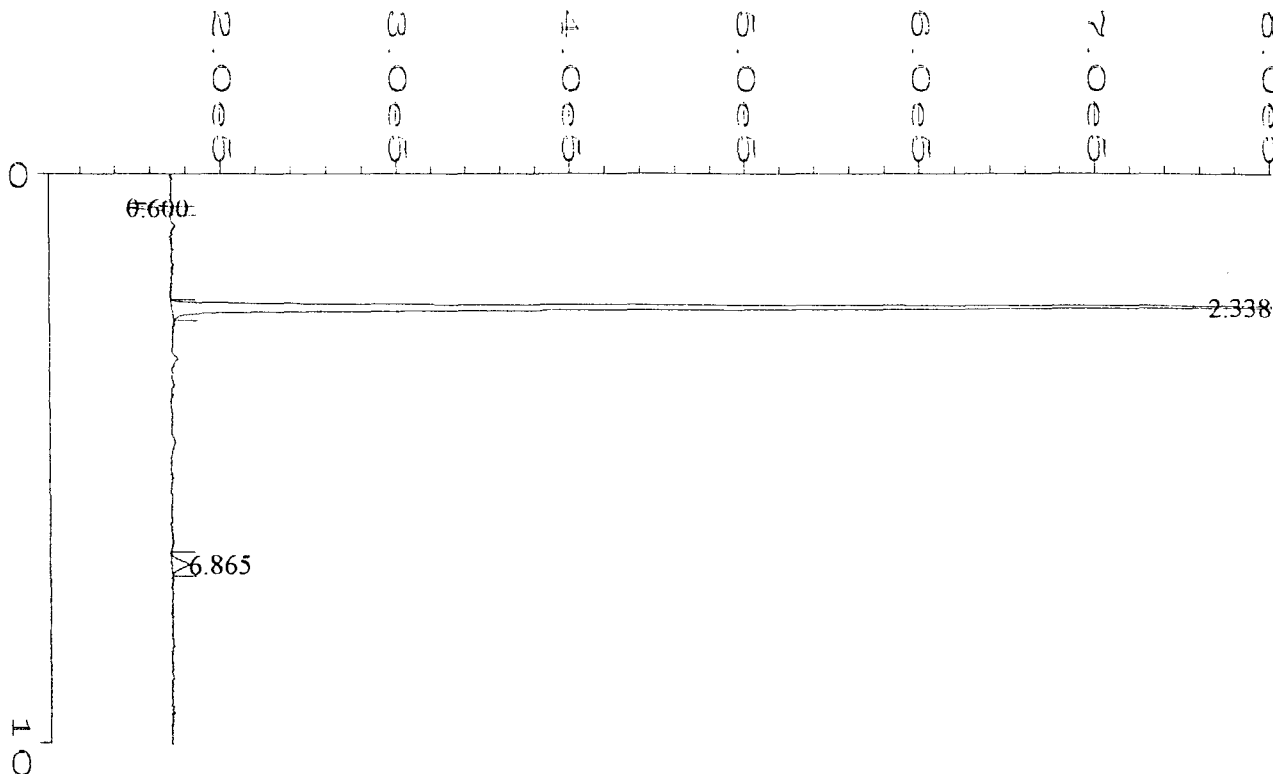
File Name : A:\NV-F0980.D  
 Operator :  
 Instrument : RECON GC  
 Sample Name : SG-56, PH-28  
 Time Bar Code:  
 Acquired on : 11 Dec 93 01:21 PM  
 Report Created on: 21 Jan 94 05:28 PM  
 Recalib on : 21 Jan 94 05:19 PM  
 Multiplier : 1

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

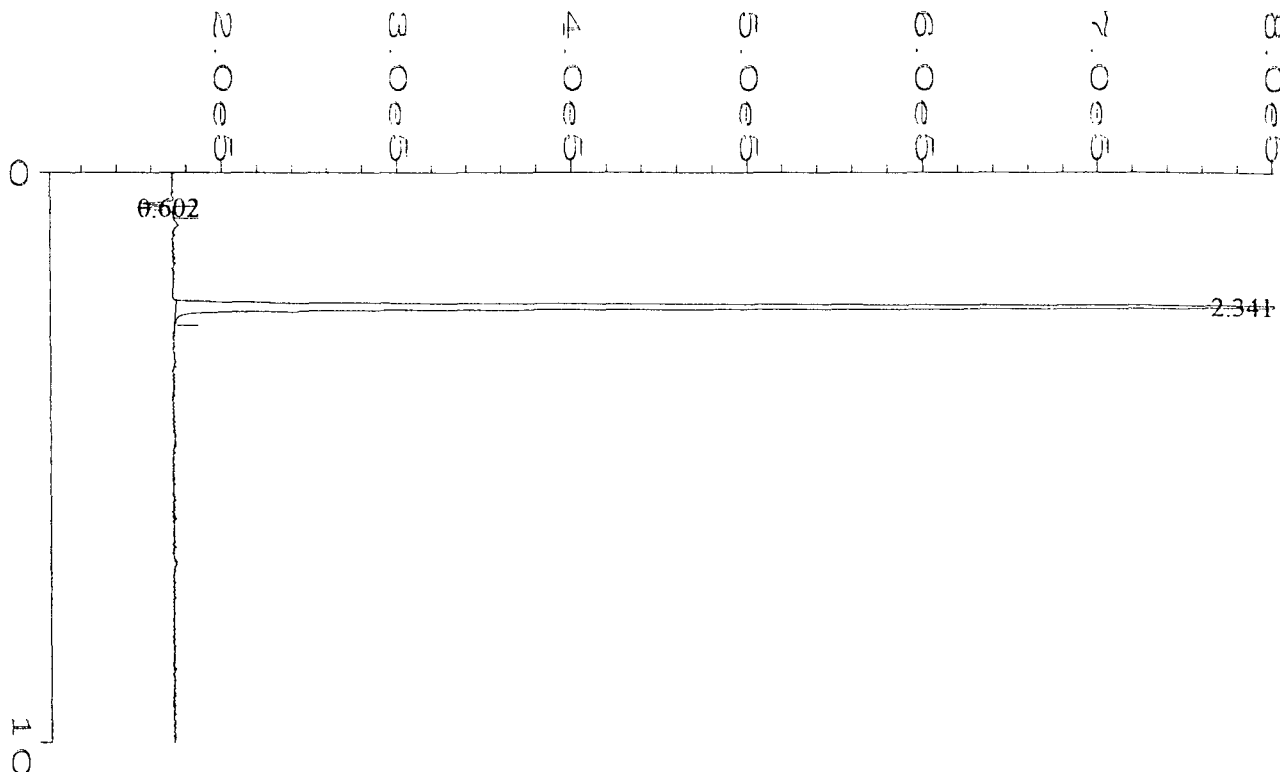
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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%      |

Not 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

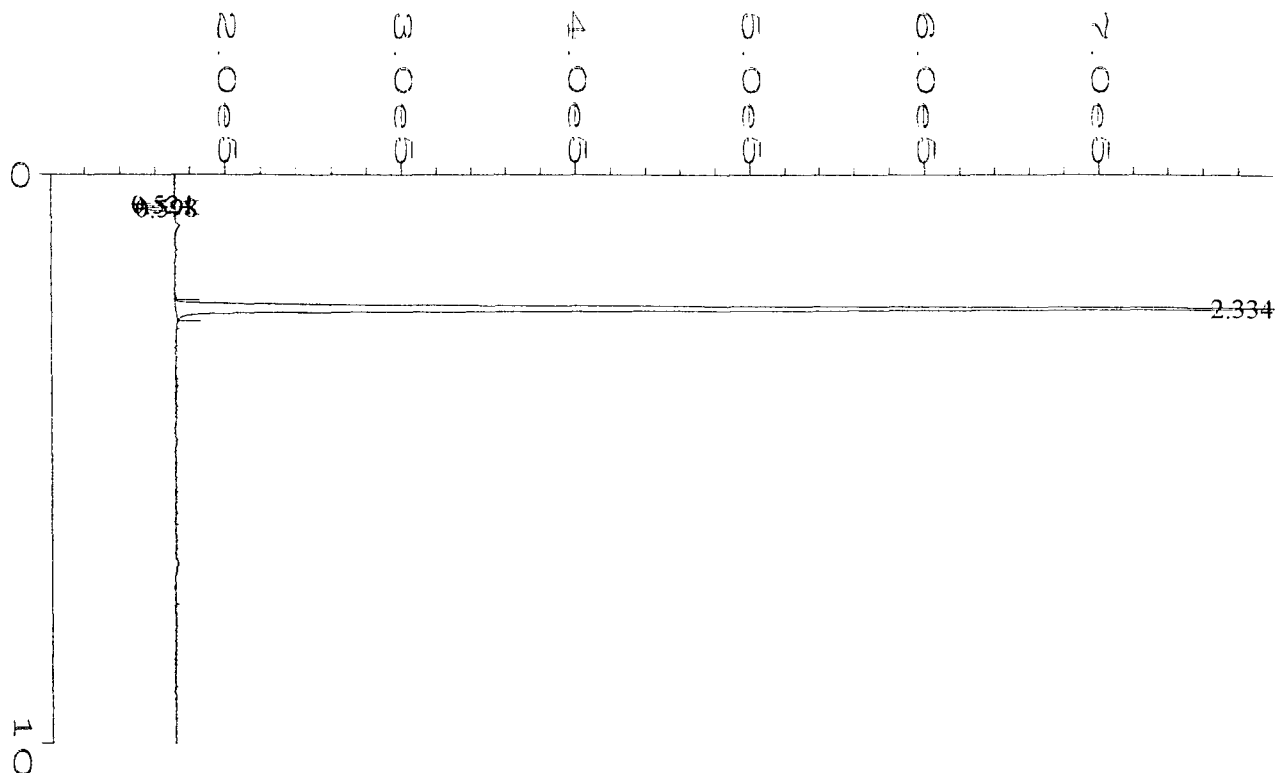
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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%      |

Not 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

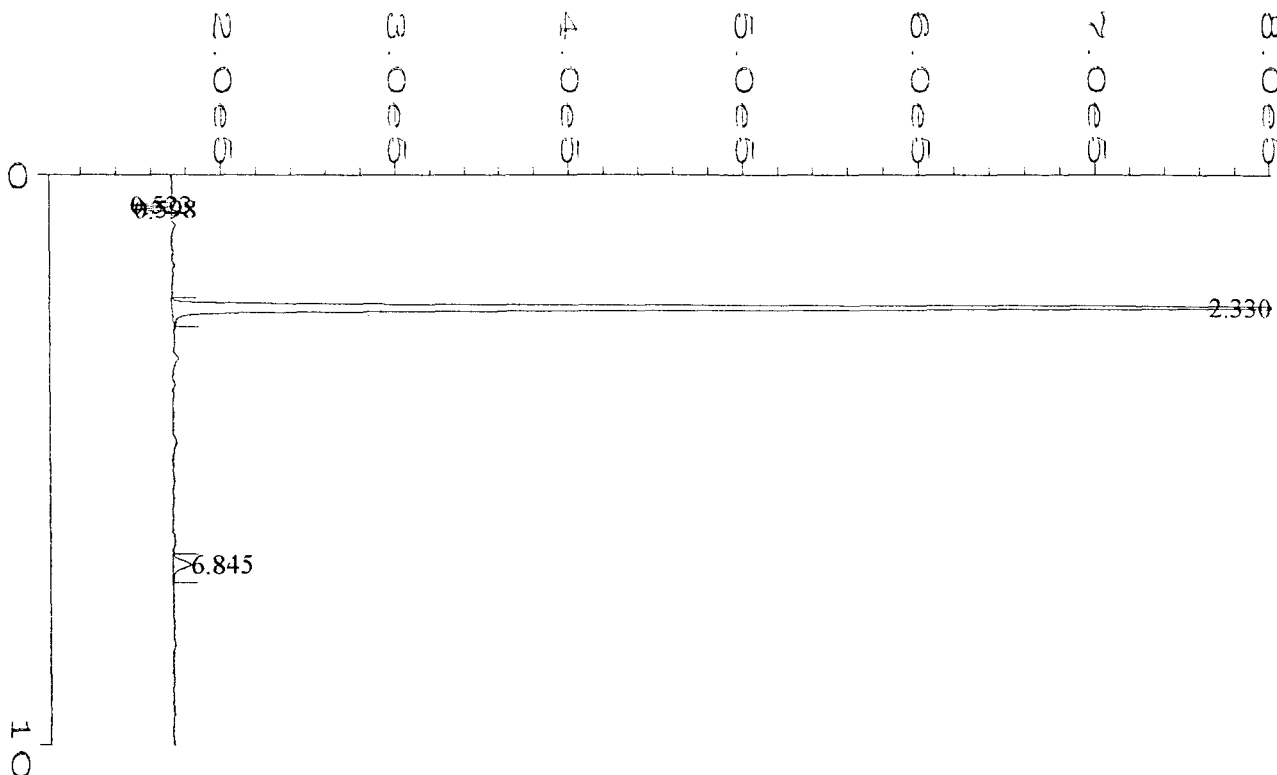
Actual RT

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

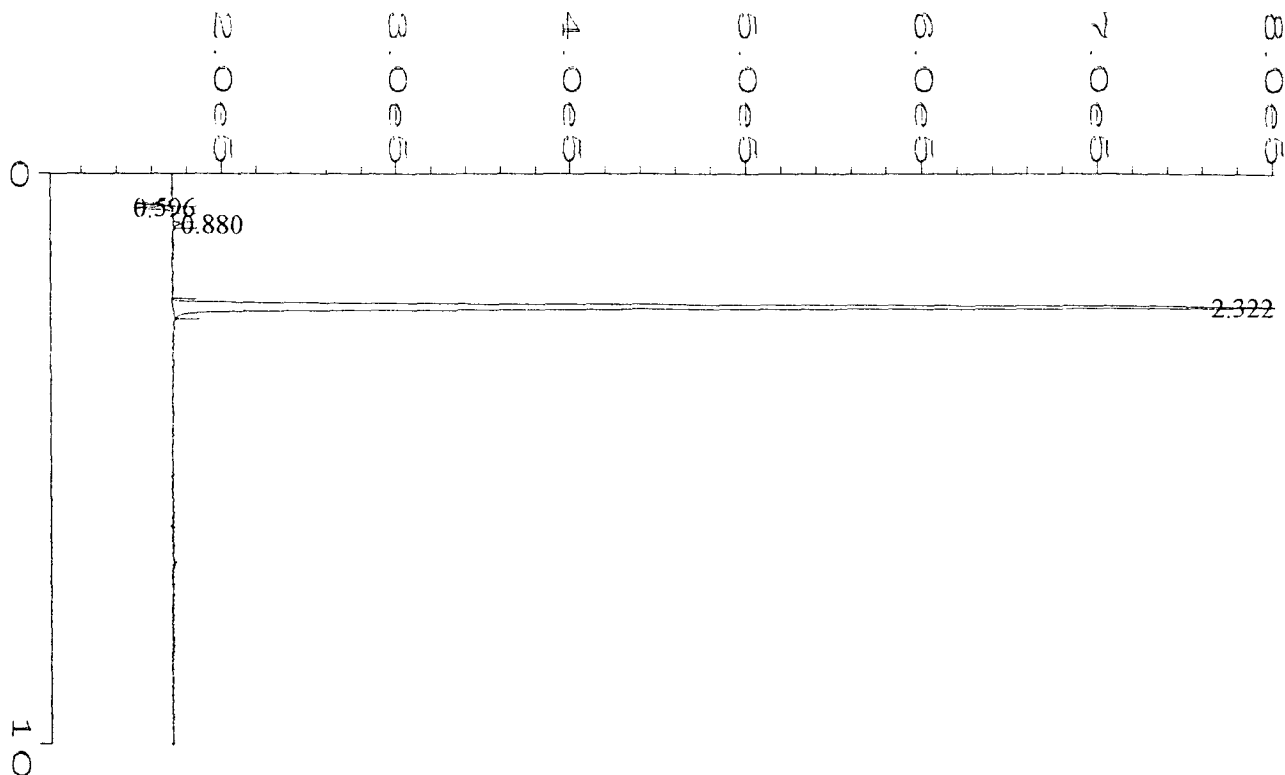
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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

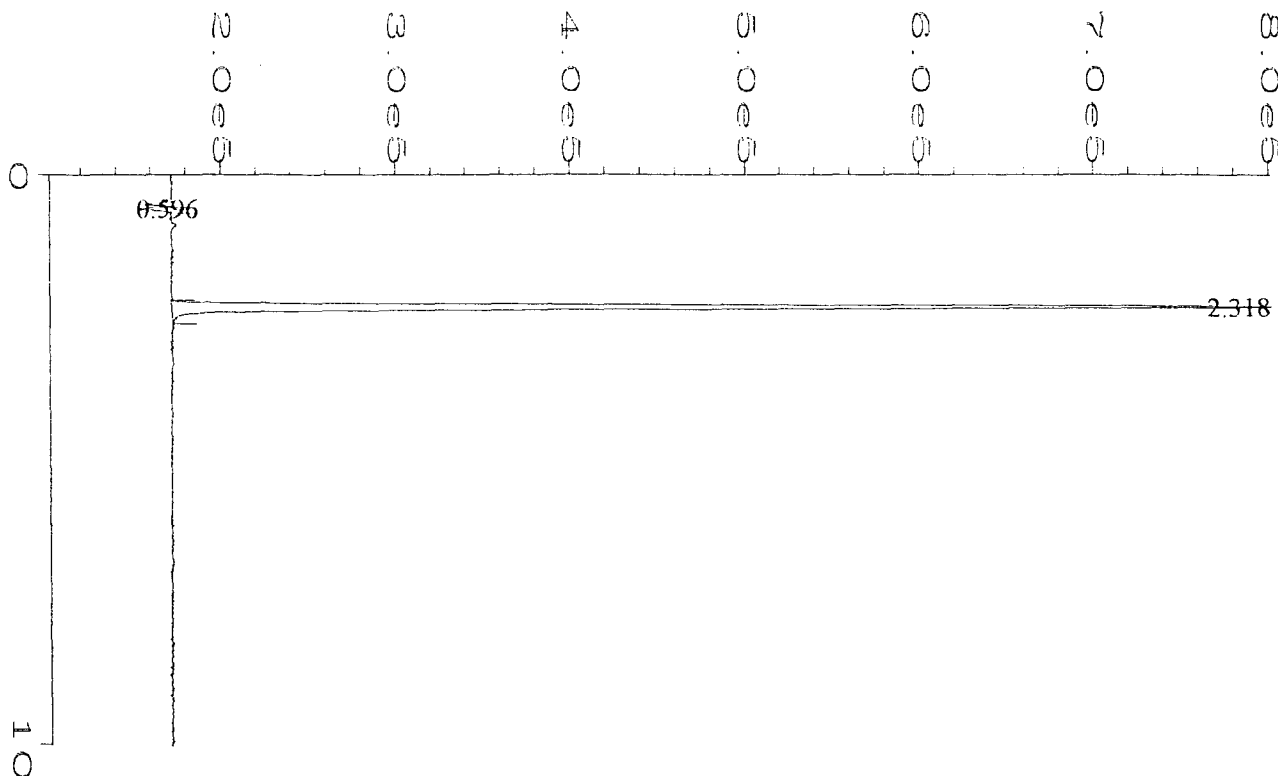
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

g. 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 | Expected RT | Actual RT | Difference |
|---------------------|-------------|-----------|------------|
| 2                   | 2.418       | 2.322     | -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

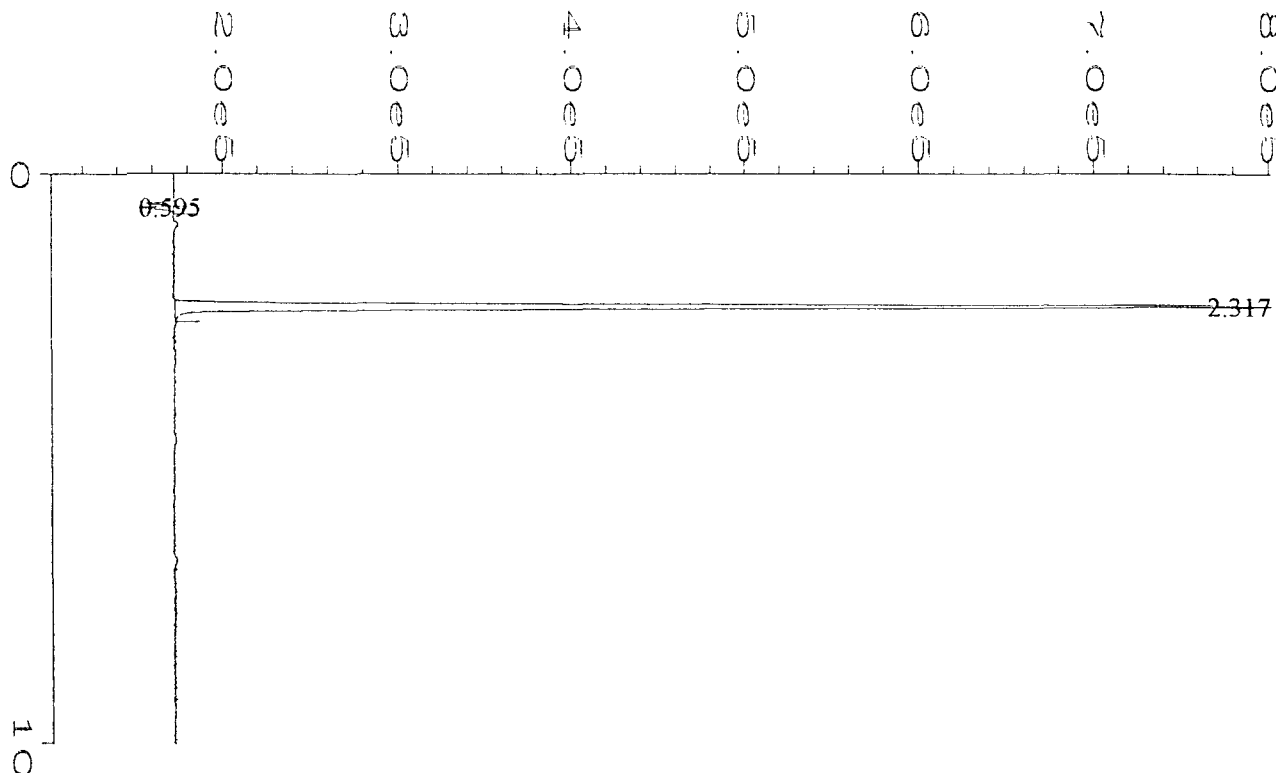
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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

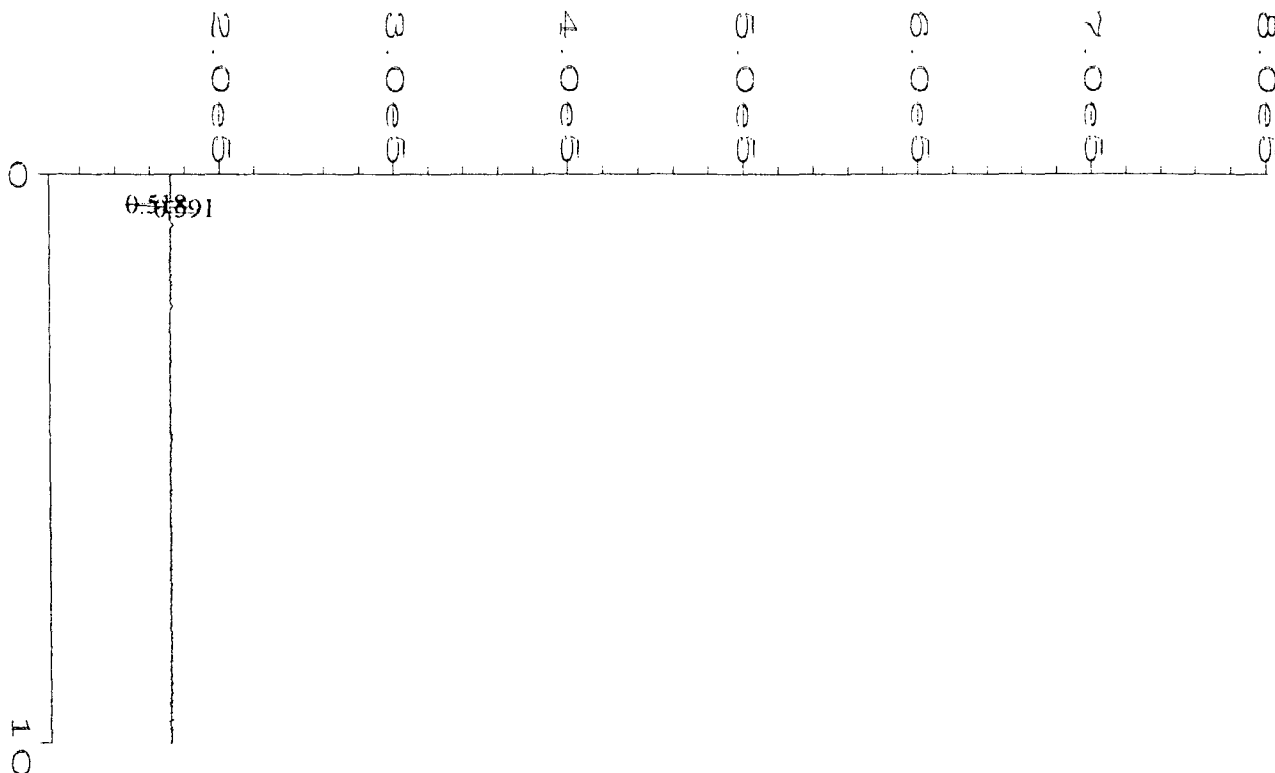
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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     |
| 6.078  | * 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

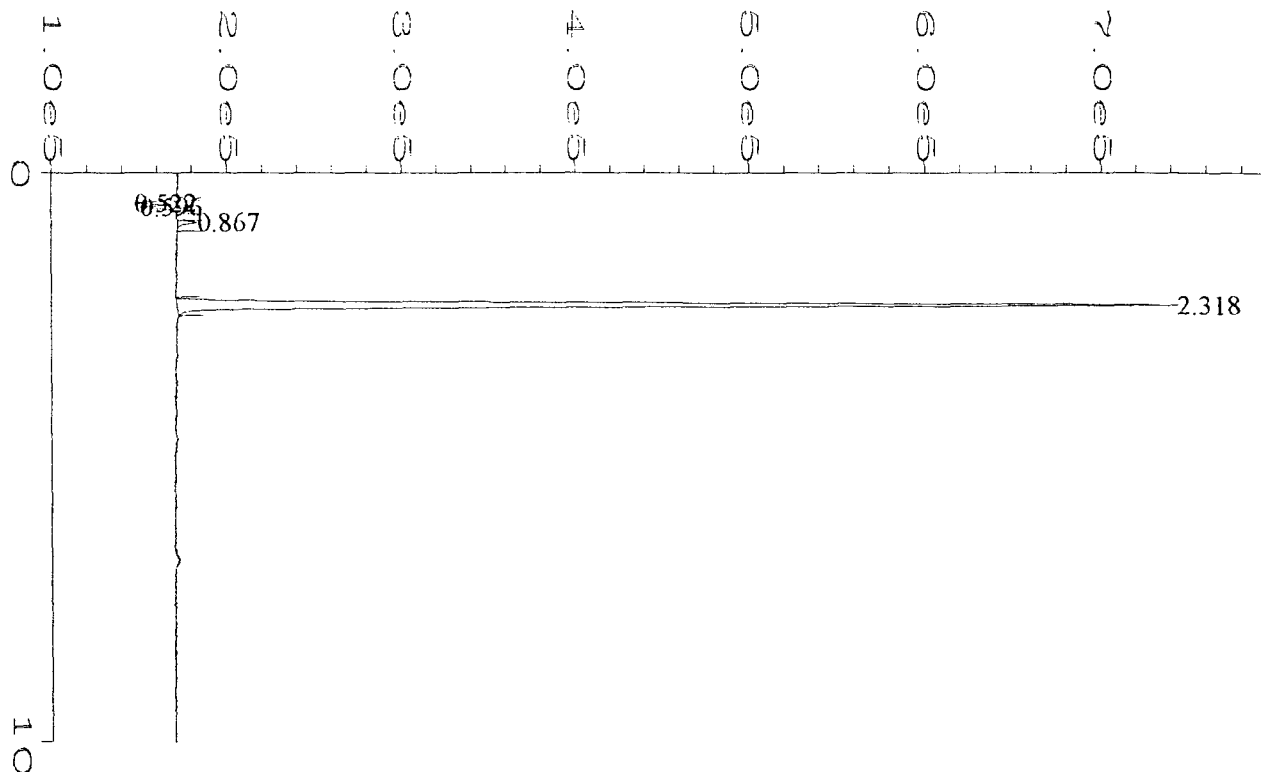
File Name : A:\NV-F0990.D  
 Operator :  
 Instrument : RECON GC  
 Sample Name : STD-1211-03  
 In Time Bar Code :  
 Acquired on : 11 Dec 93 03:57 PM  
 Report Created on: 21 Jan 94 05:43 PM  
 Last Recalib on : 21 Jan 94 05:19 PM  
 Multiplier : 1

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

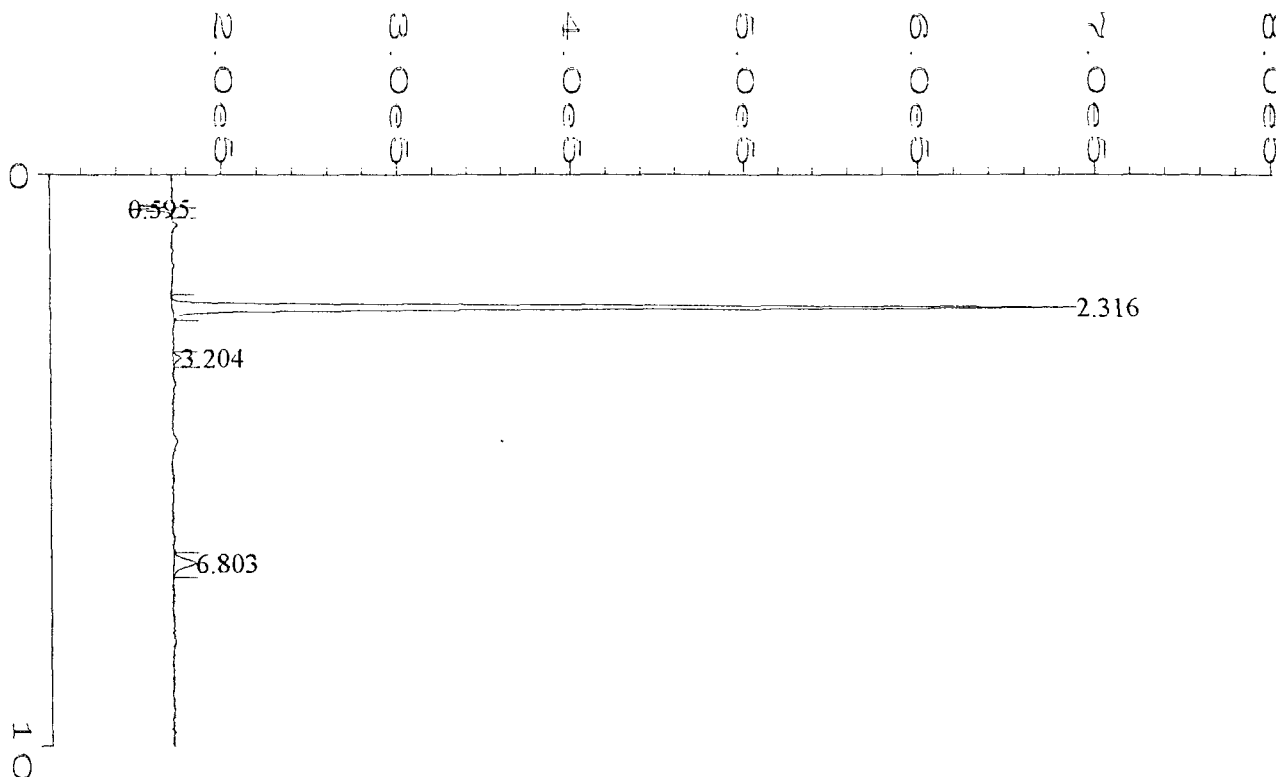
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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

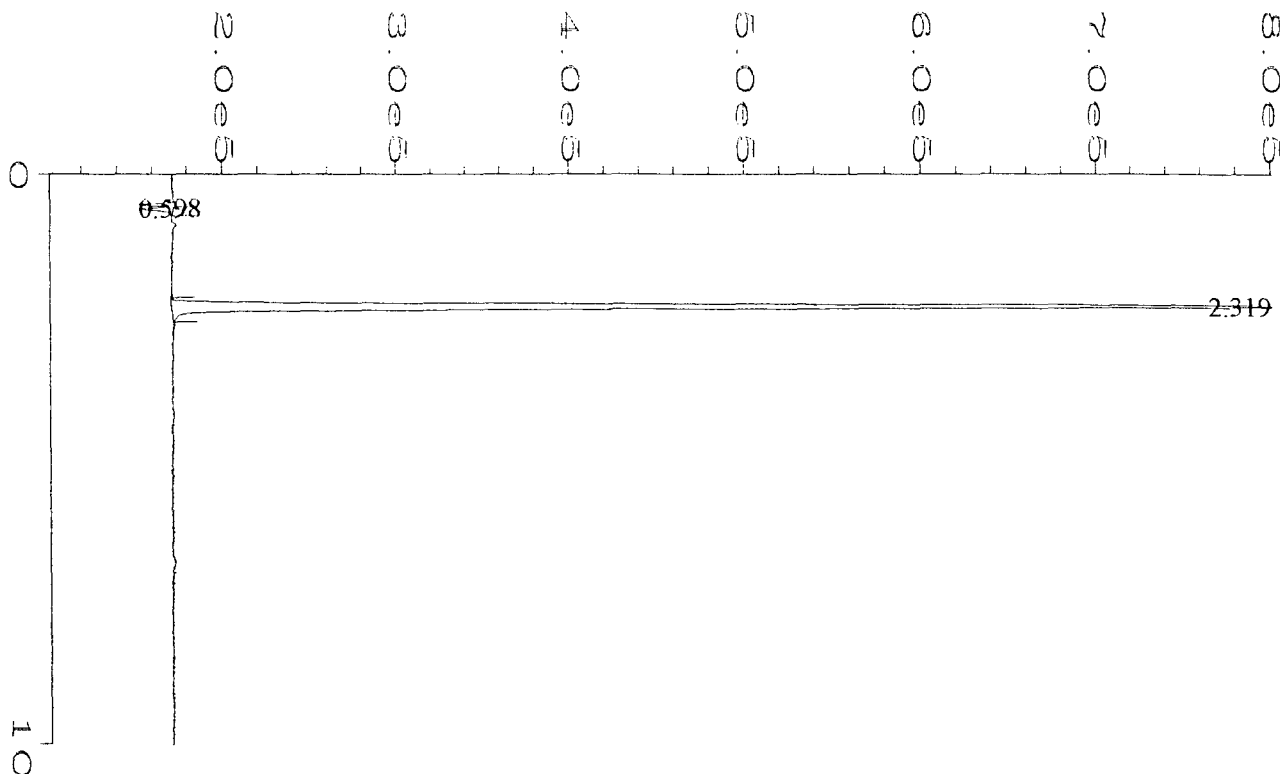
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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

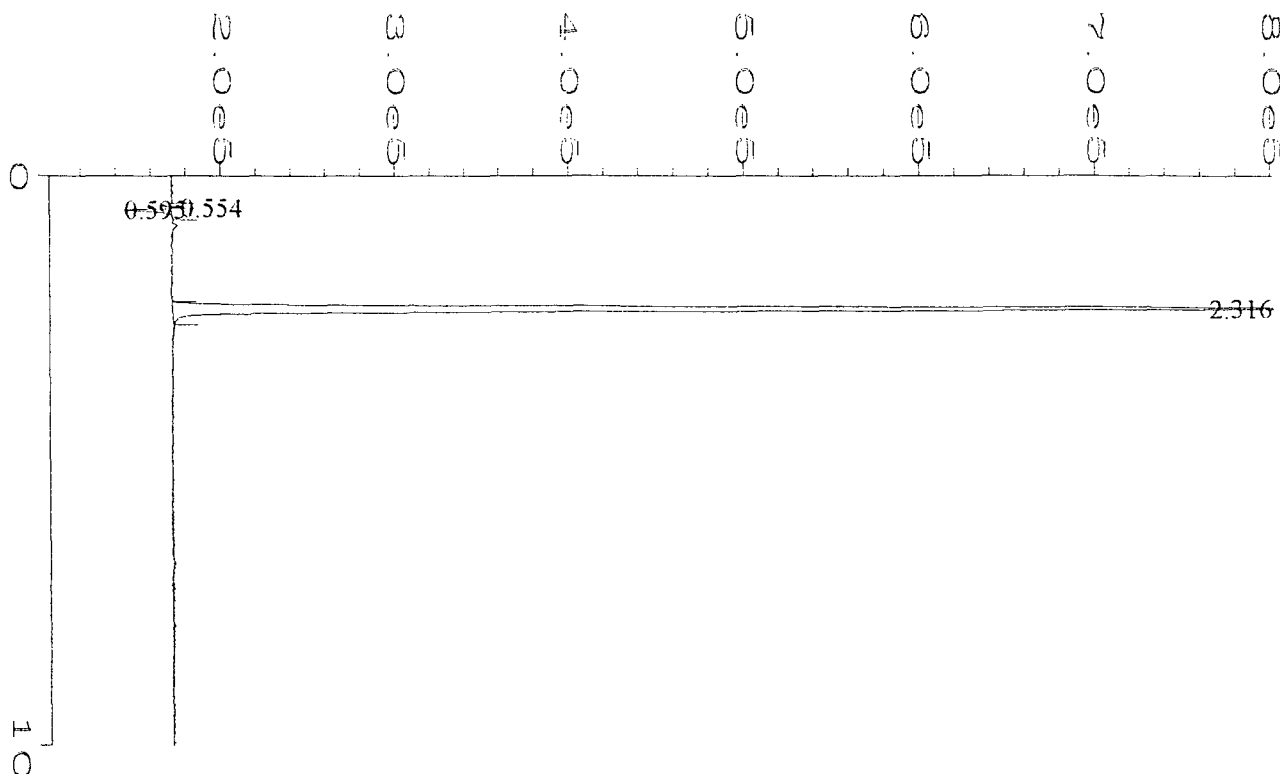
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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

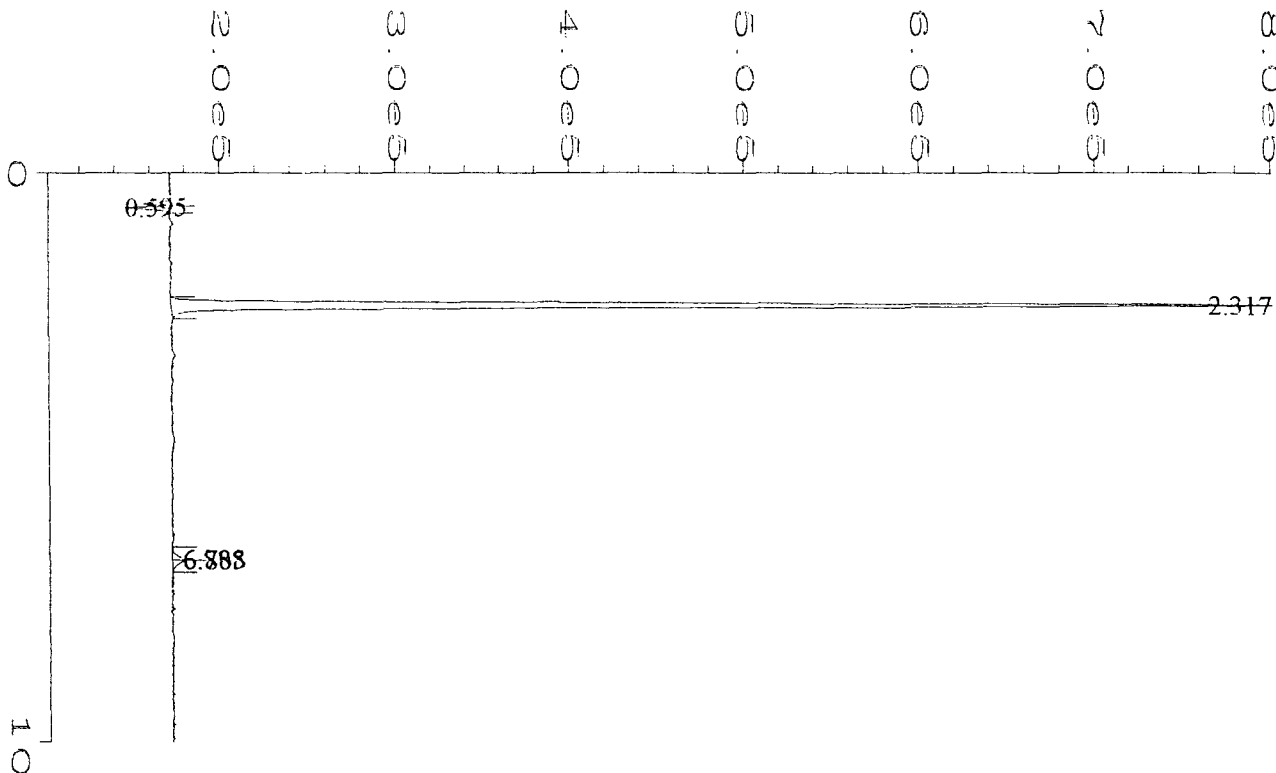
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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

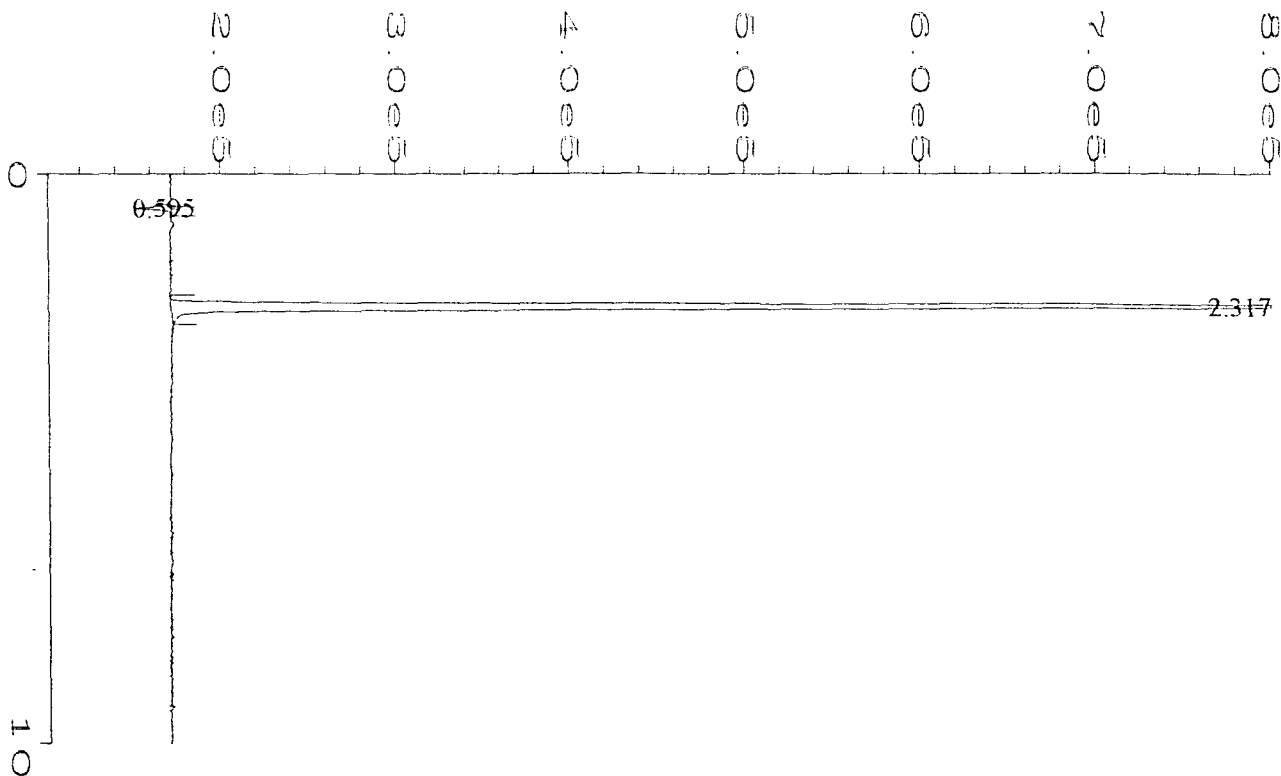
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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

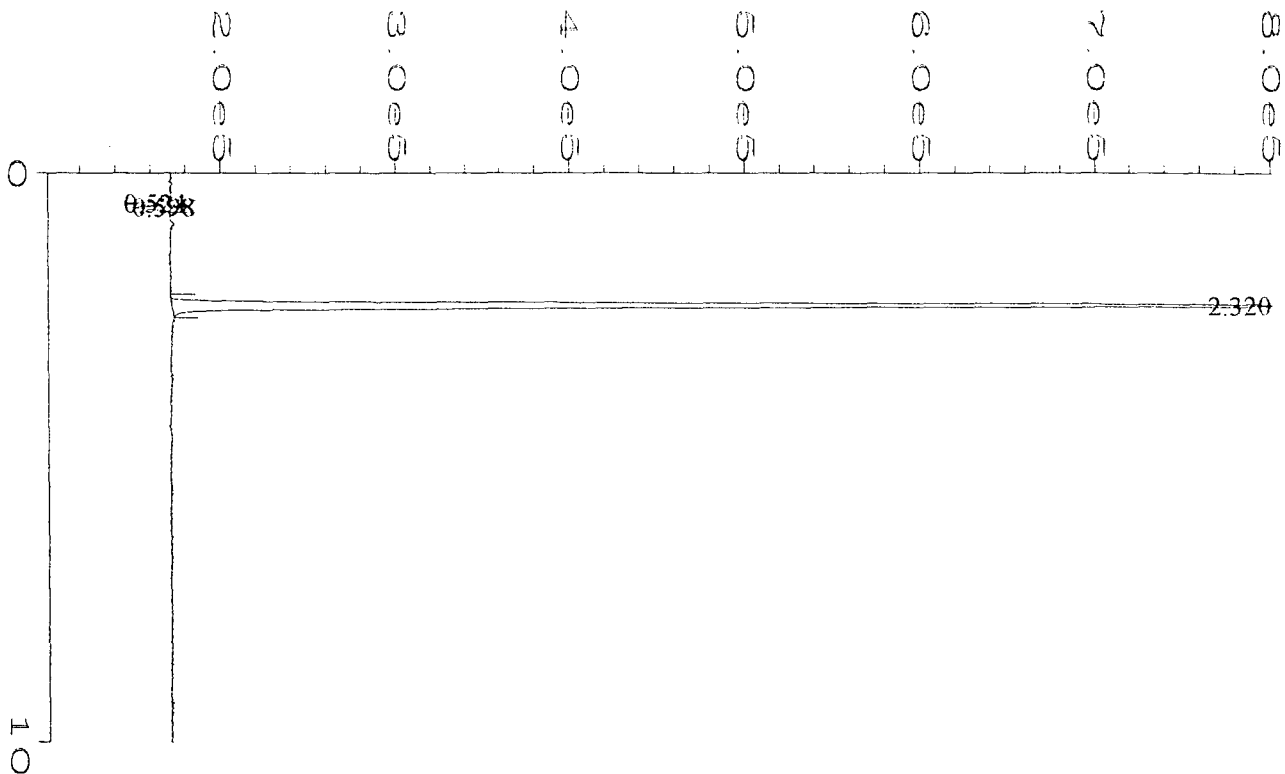
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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

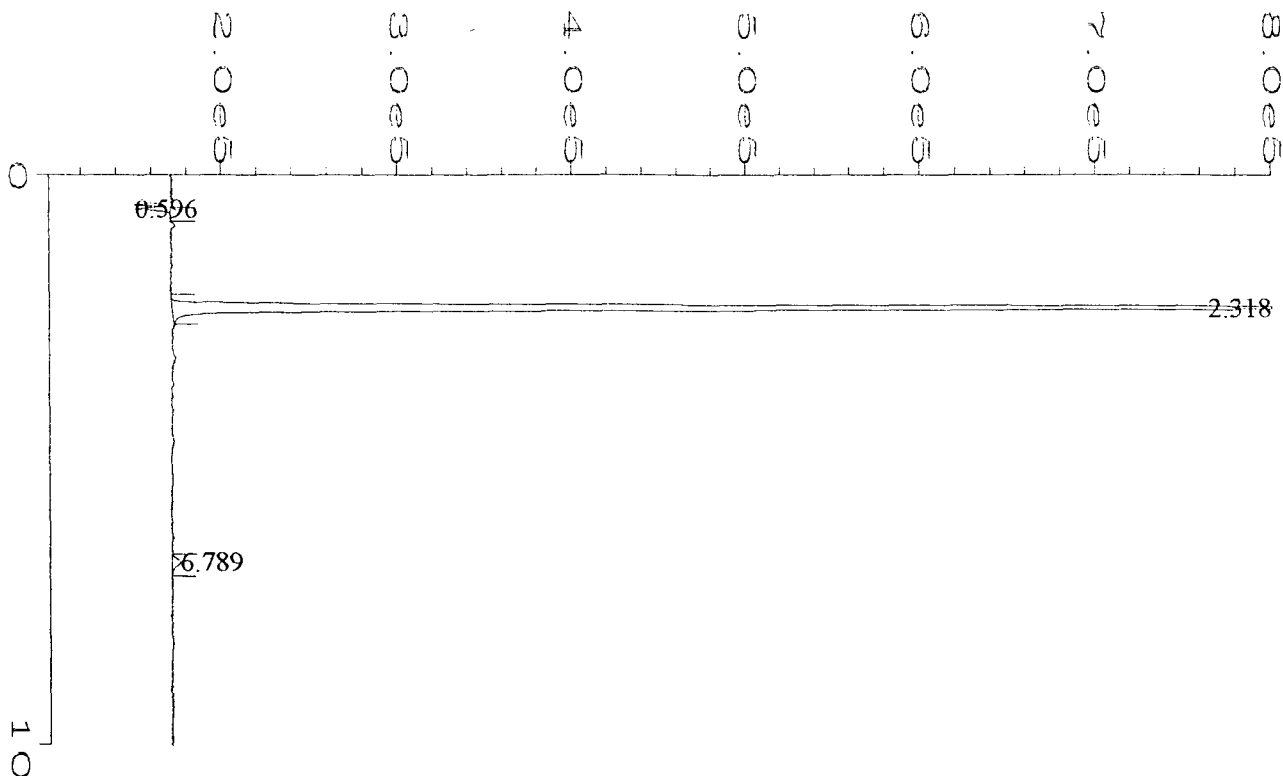
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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  
 In 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

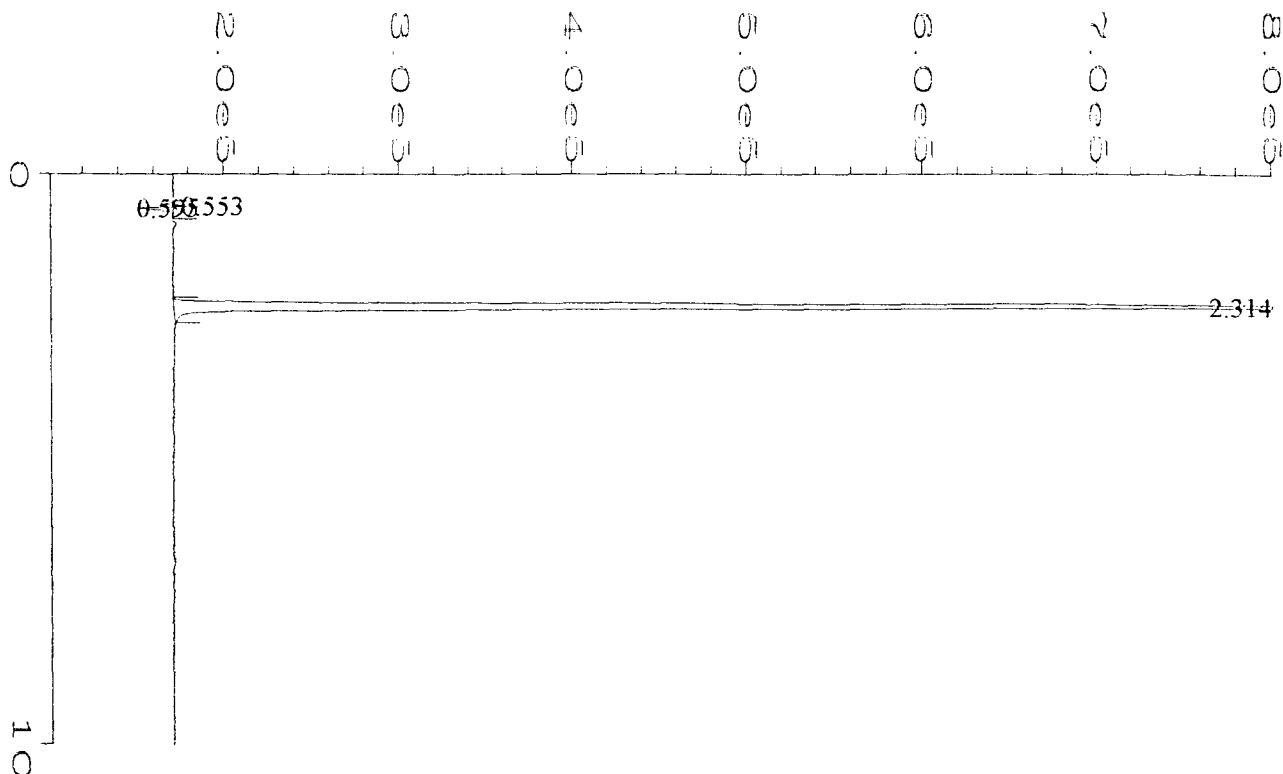
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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

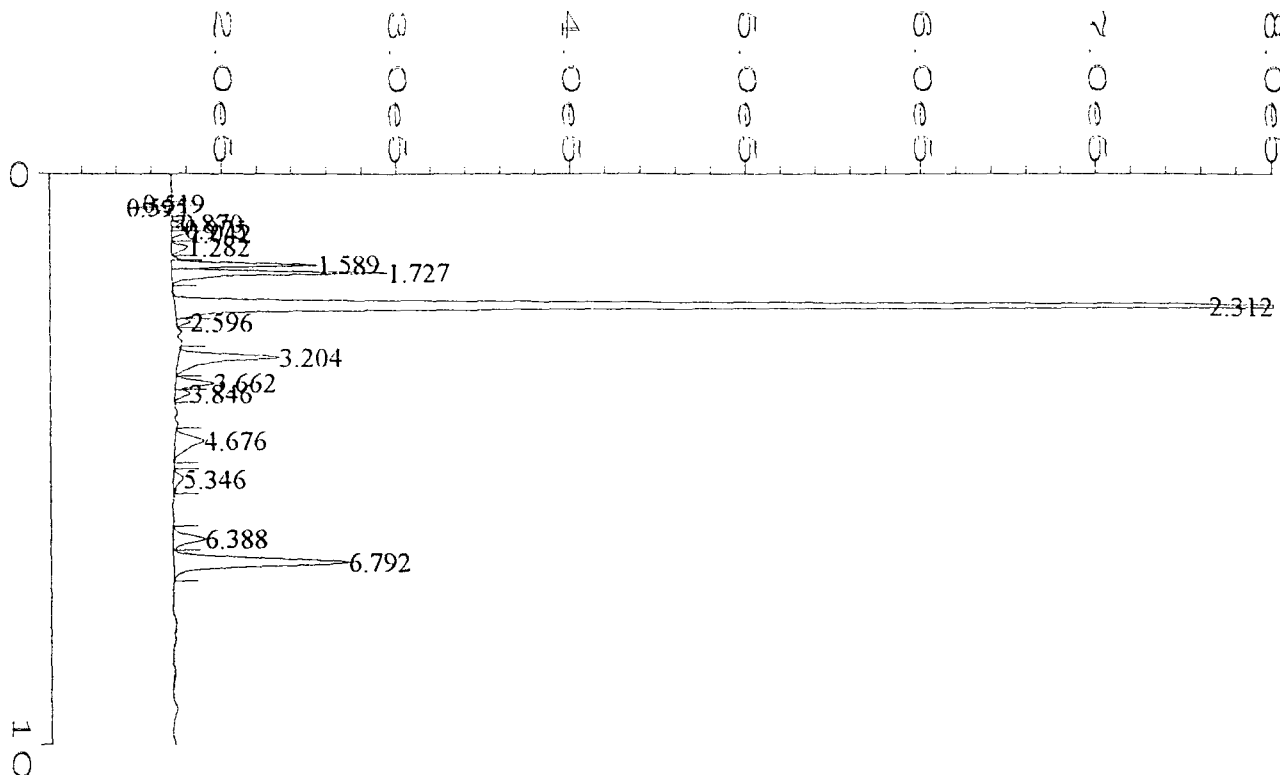
|                    |                      |                    |                |
|--------------------|----------------------|--------------------|----------------|
| File Name          | : A:\NV-F1001.D      | Page Number        | : 1            |
| Operator           | :                    | Vial 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 * |
| 0.595 | 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



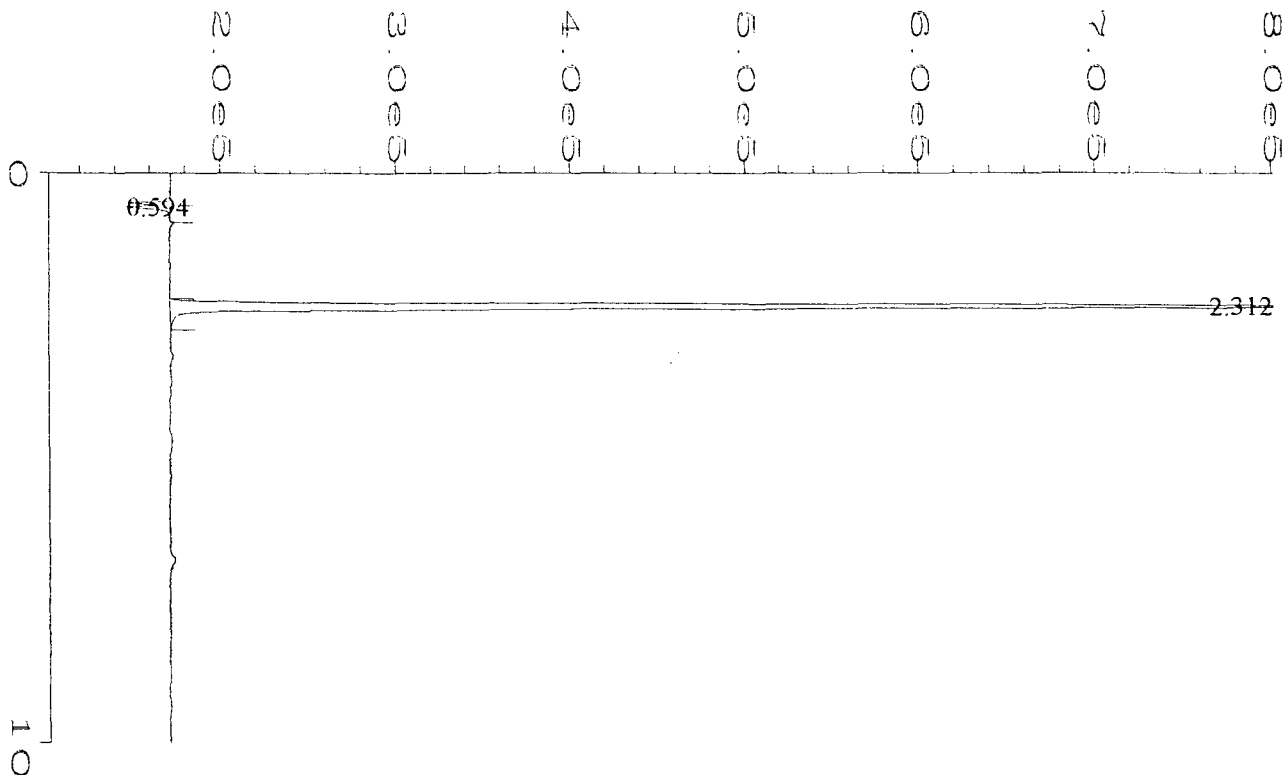
# External Standard Report

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

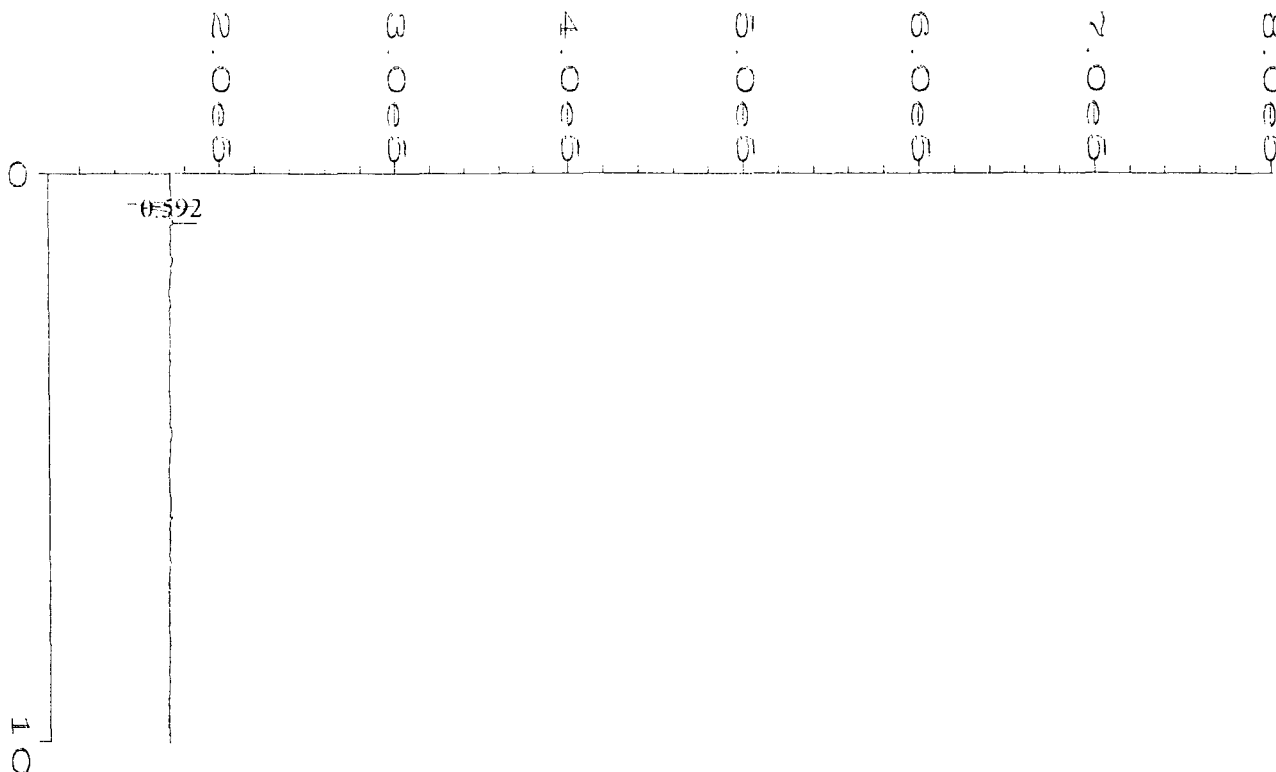
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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 :

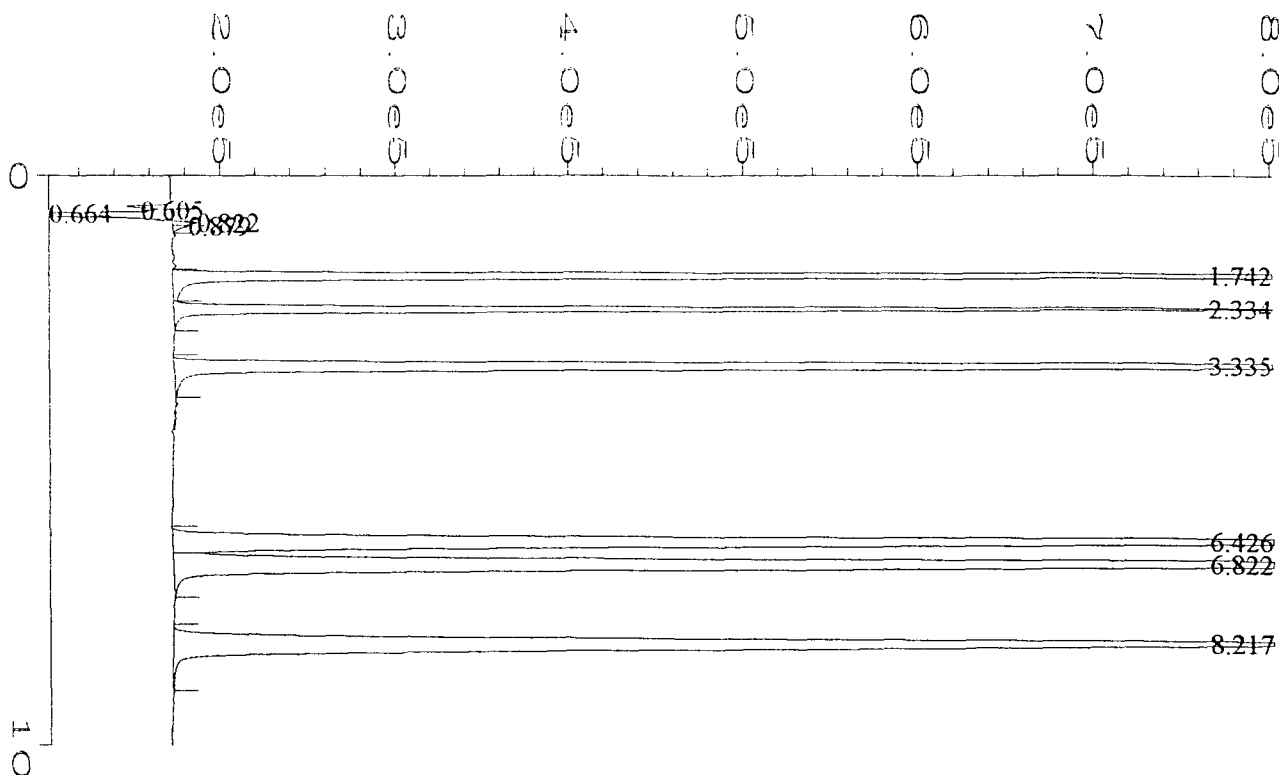
Fig. 1 in A:\NV-F1010.D

| 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

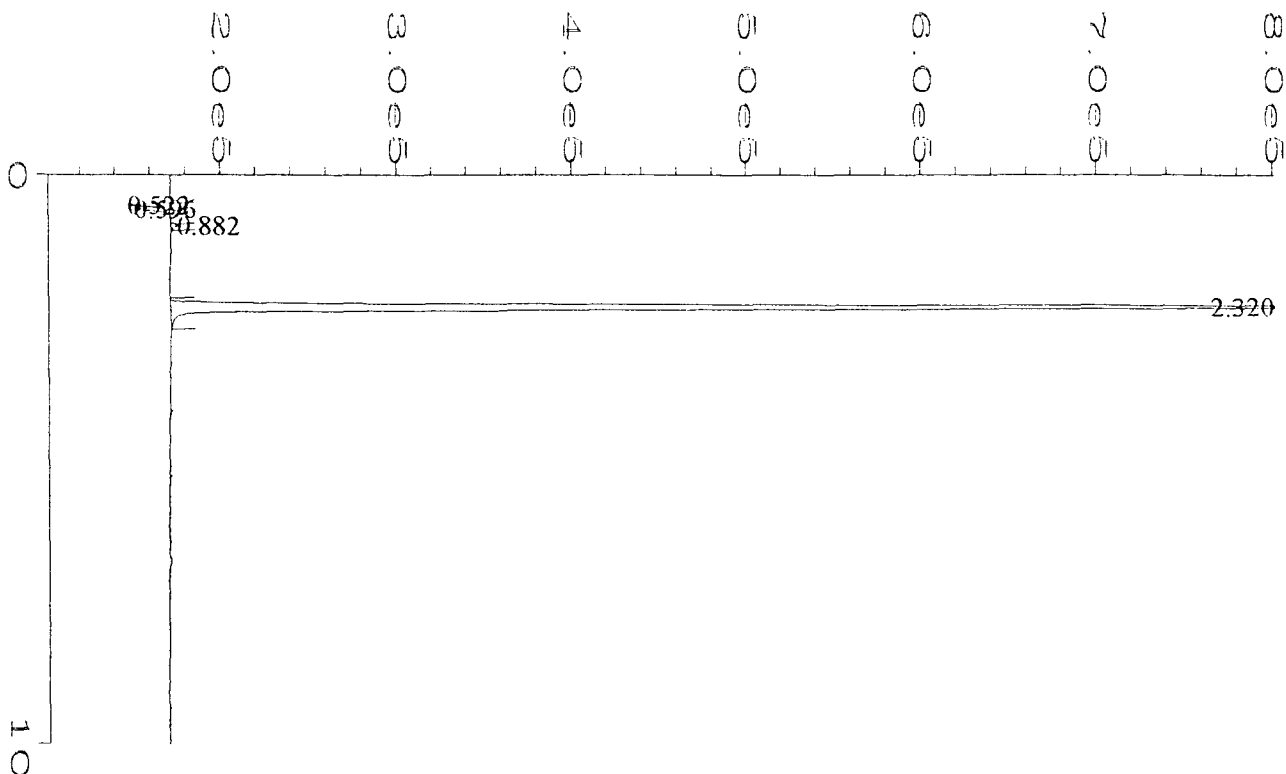
Data File Name : A:\NV-F1015.D  
 Operator :  
 Instrument : RECON GC  
 Sample Name : STD-1212-02  
 Run Time Bar Code:  
 Acquired on : 12 Dec 93 08:50 AM  
 Report Created on: 21 Jan 94 06:08 PM  
 Last Recalib on : 21 Jan 94 06:06 PM  
 Multiplier : 1

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

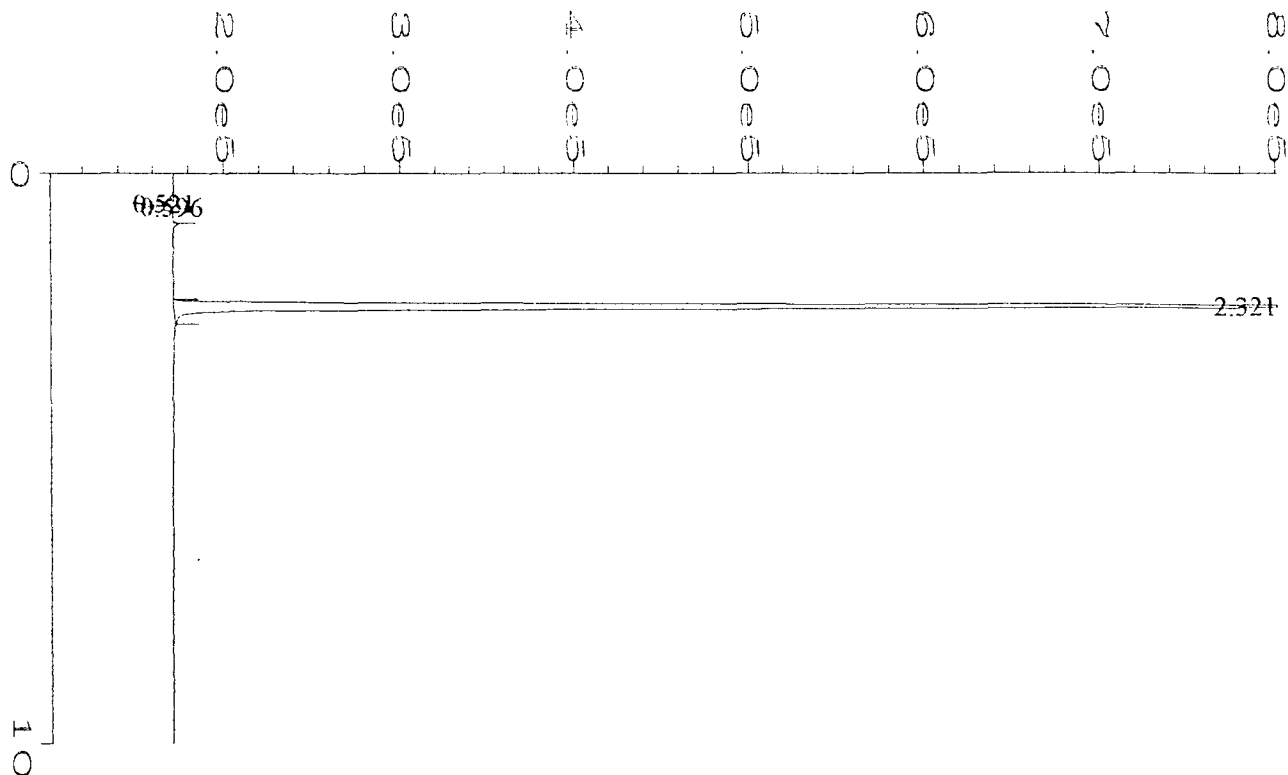
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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

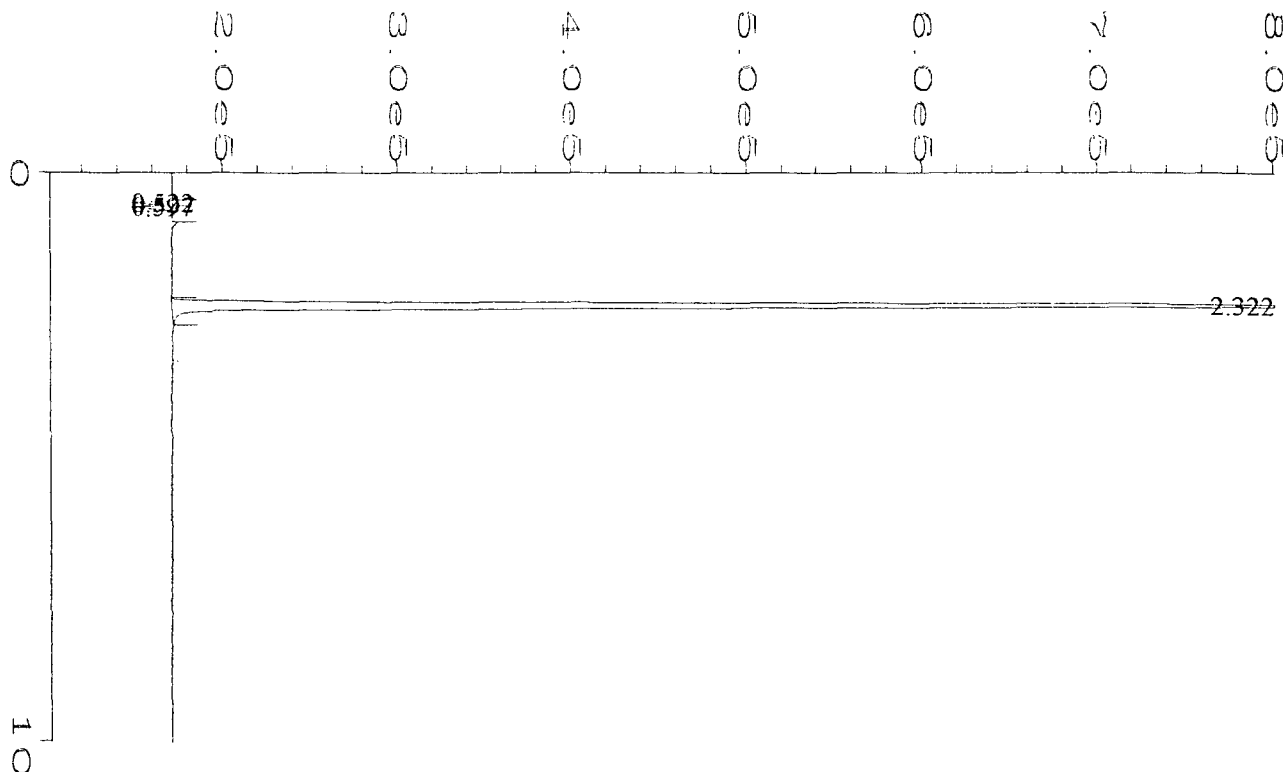
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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

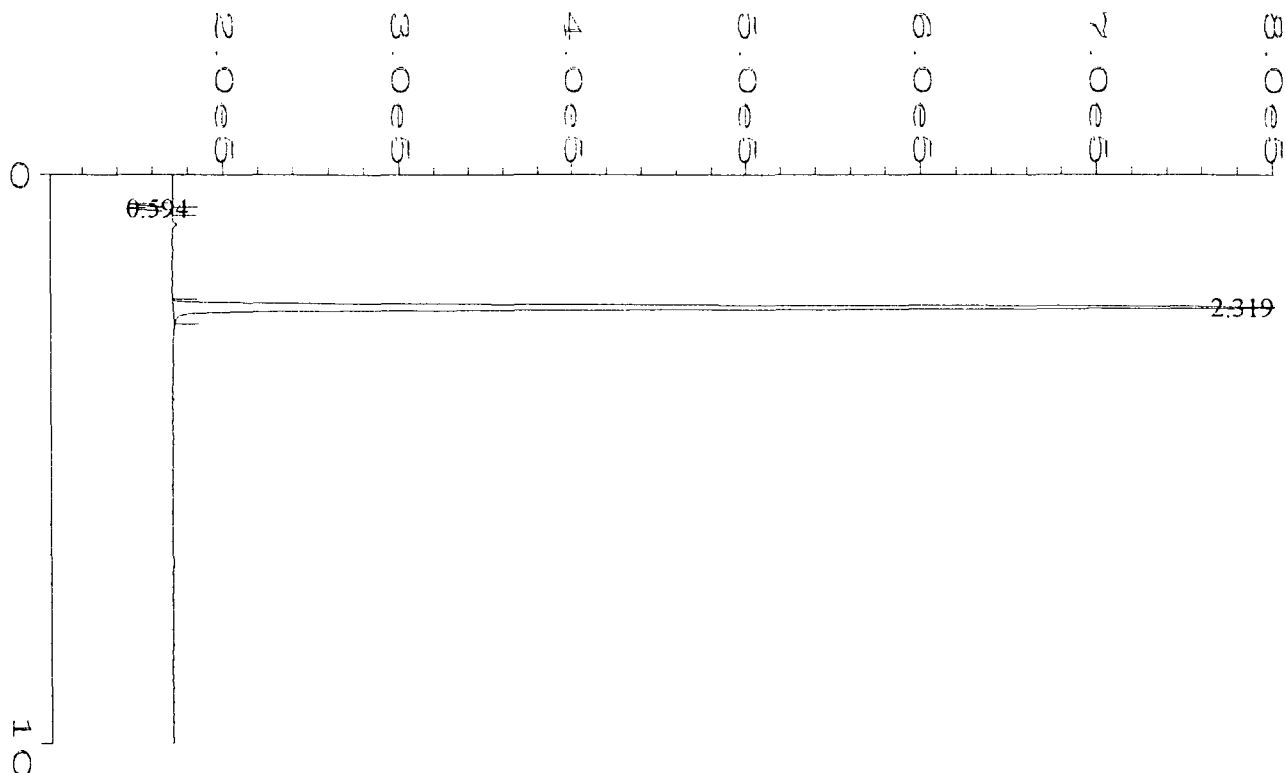
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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

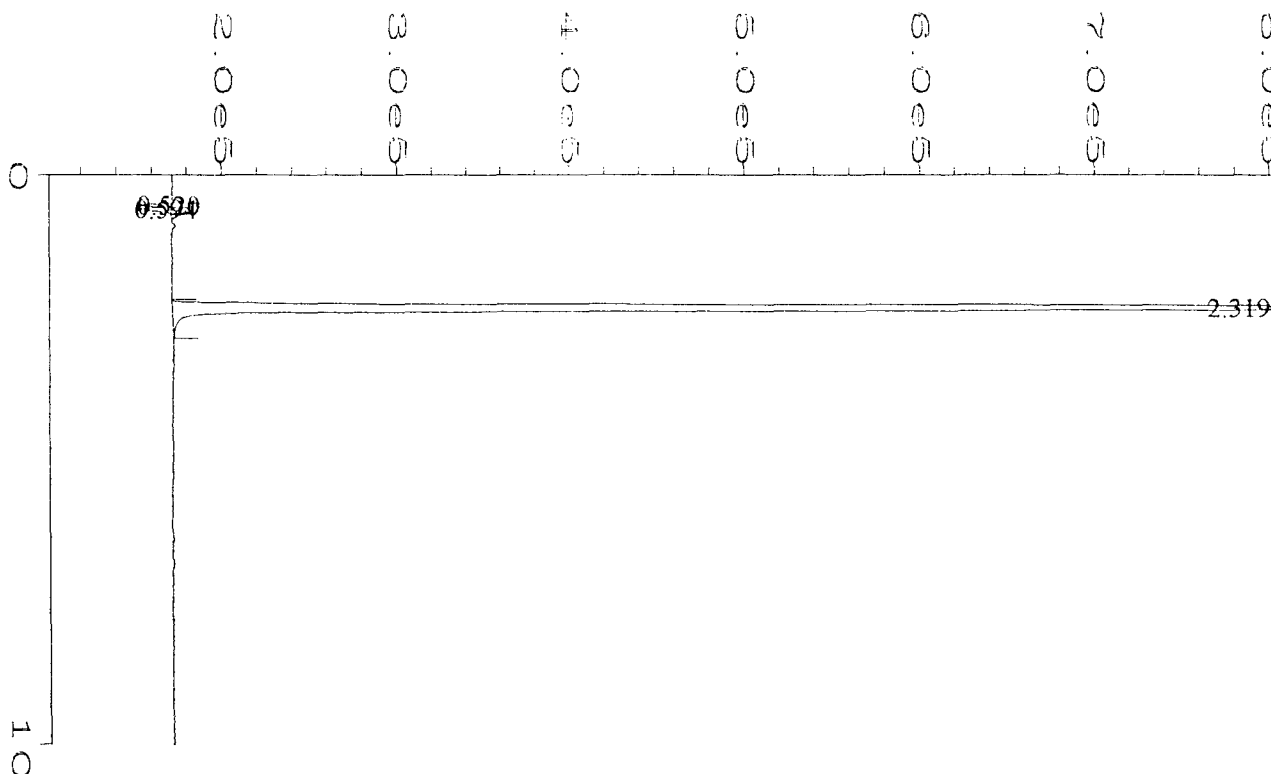
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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

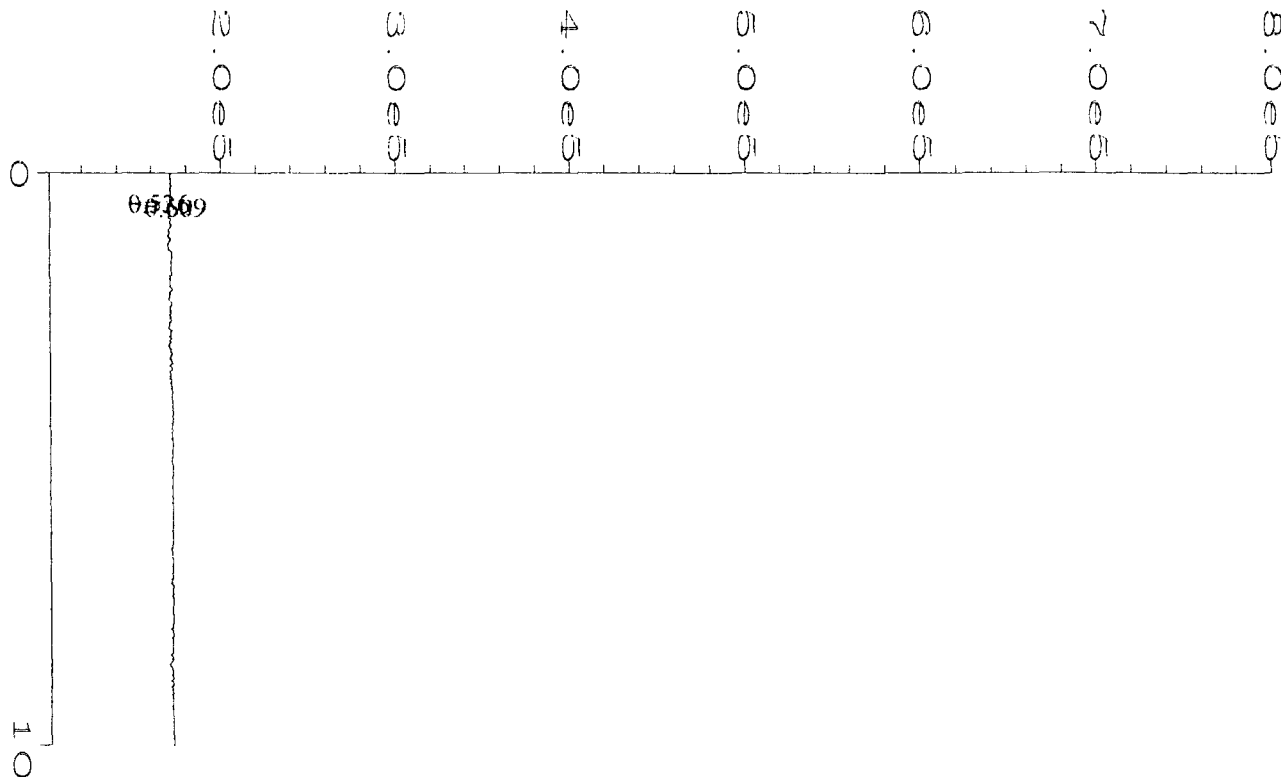
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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

2

Expected RT

2.365

Actual RT

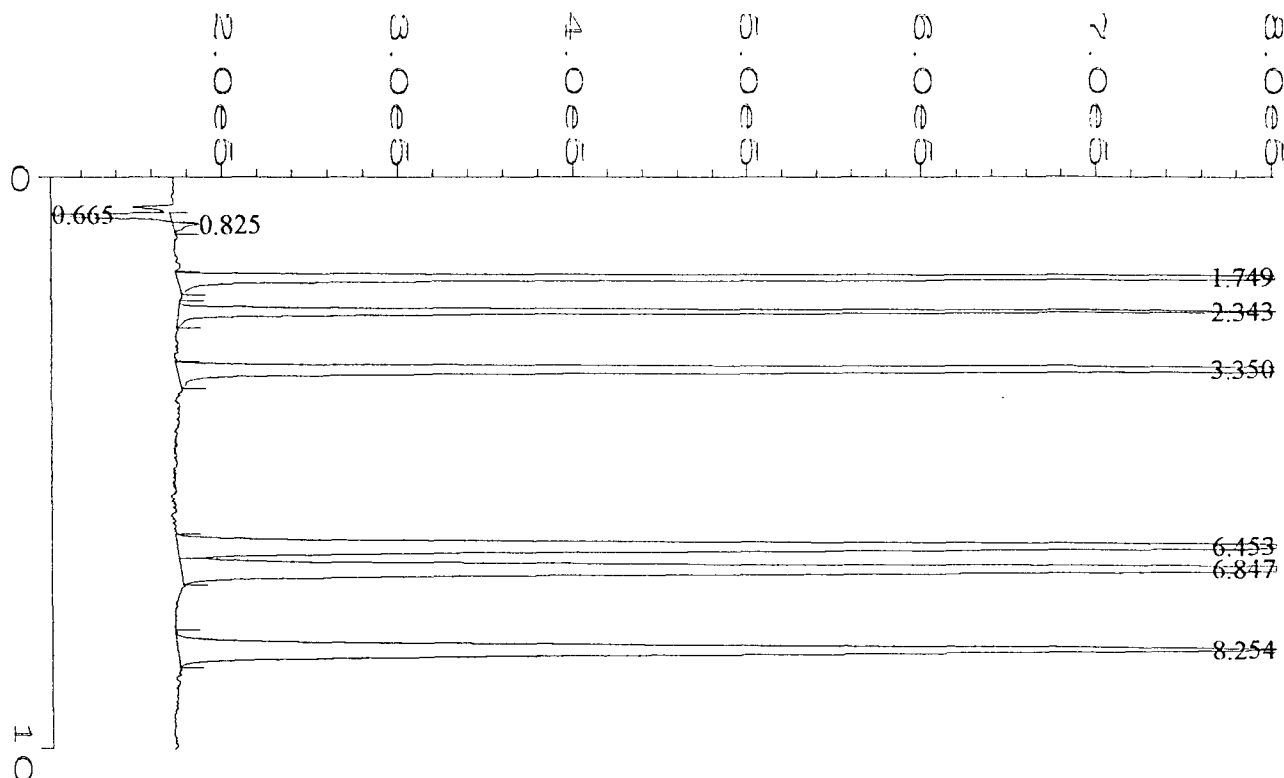
\* not found \*

Difference

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

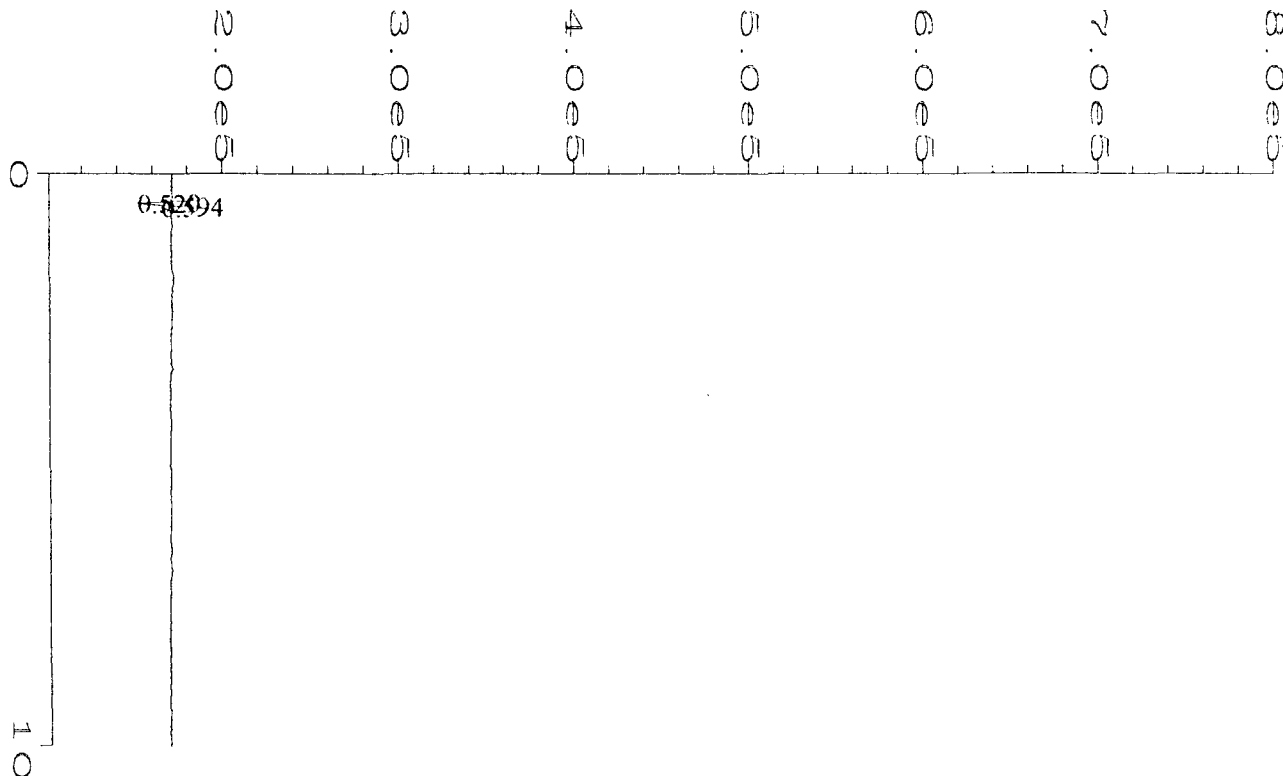
Data File Name : A:\NV-F0919.D  
 Operator :  
 Instrument : RECON GC  
 Sample Name : STD-1209-05  
 Run Time Bar Code:  
 Acquired on : 09 Dec 93 09:03 PM  
 Report Created on: 21 Jan 94 03:22 PM  
 Last Recalib on : 21 Jan 94 02:32 PM  
 Multiplier : 1

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

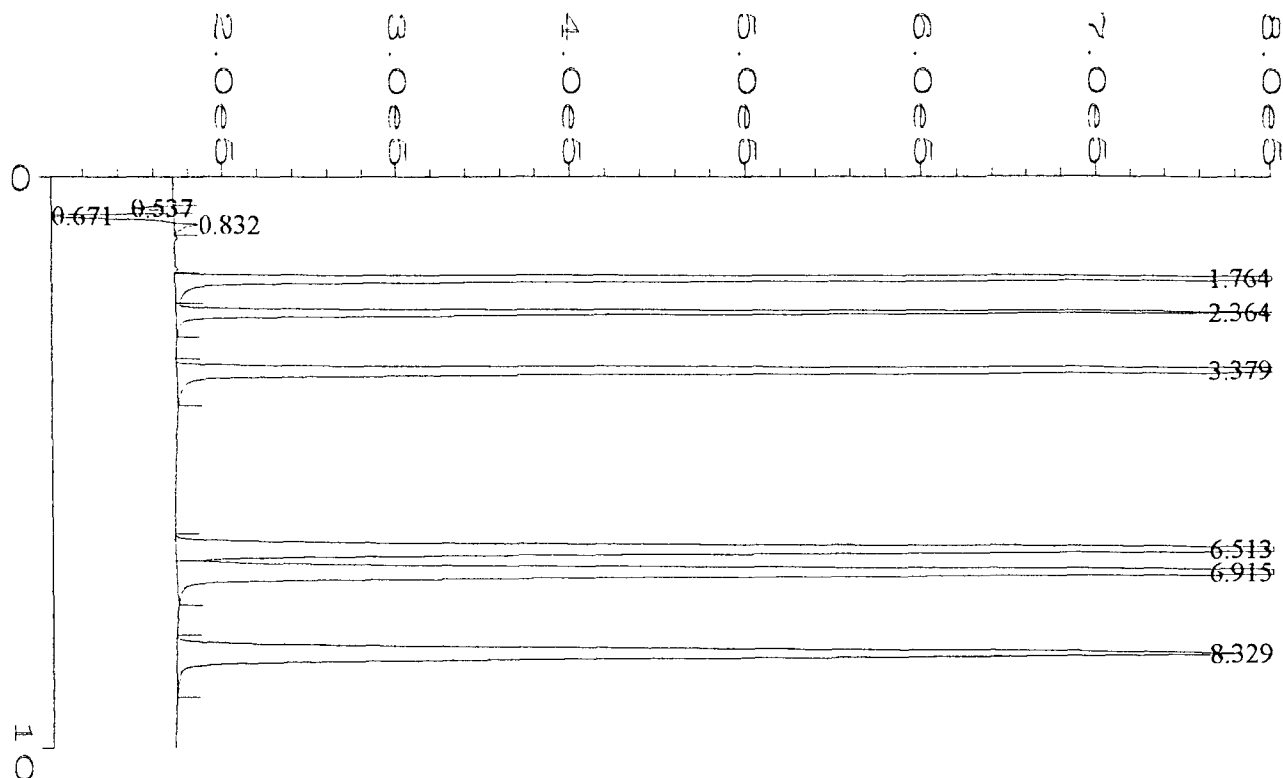
## Sample ISTD Information

No Sample ISTD Amounts

## Multilevel Information

Fit: Linear

Origin: Force



# External Standard Report

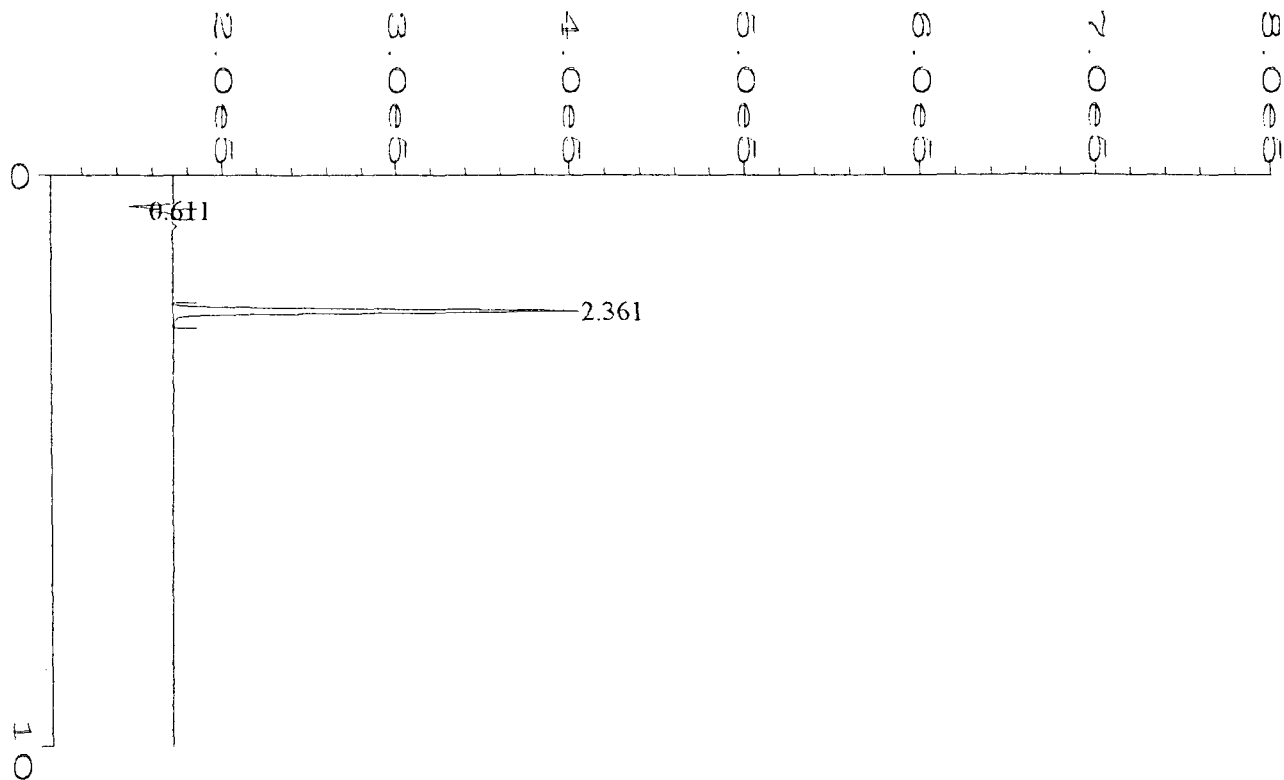
Data File Name : A:\NV-F0924.D  
 Operator :  
 Instrument : RECON GC  
 Sample Name : STD-1210-02  
 Run Time Bar Code:  
 Acquired on : 10 Dec 93 08:17 AM  
 Report Created on: 21 Jan 94 03:52 PM  
 Last Recalib on : 21 Jan 94 03:48 PM  
 Multiplier : 1

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

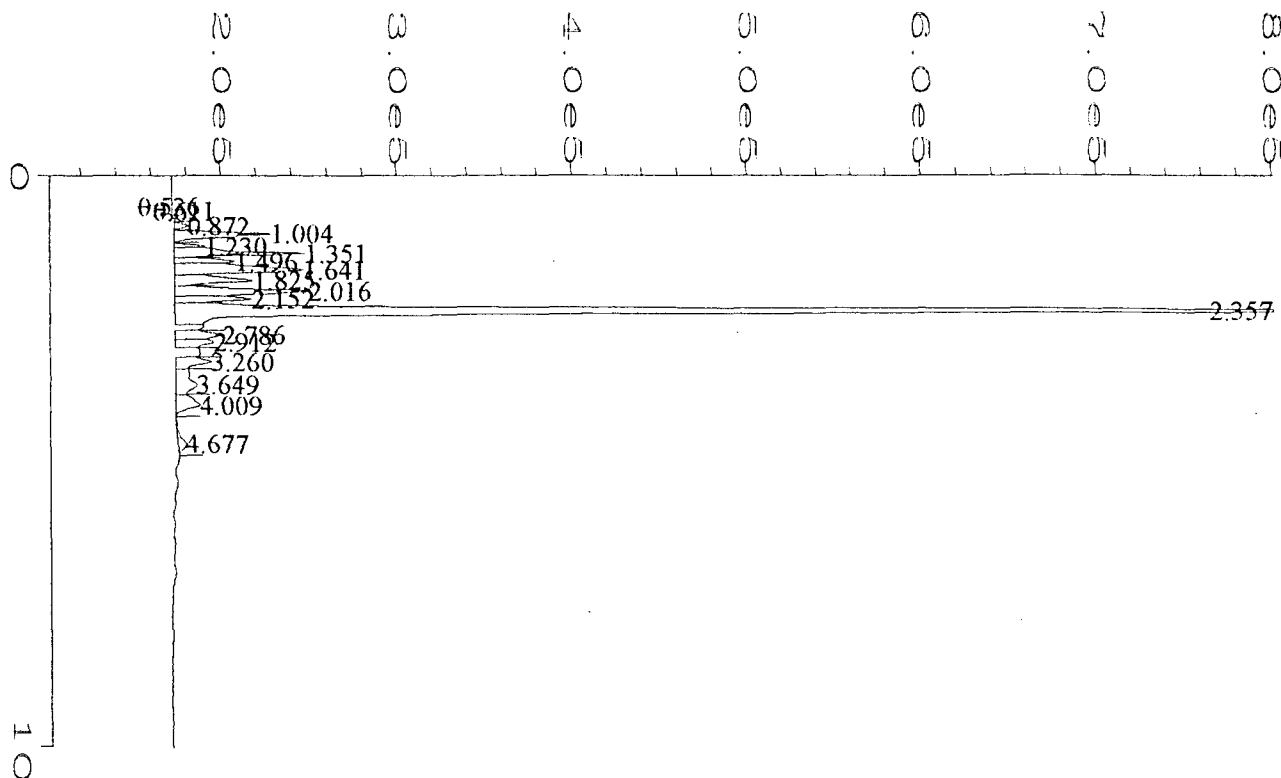
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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

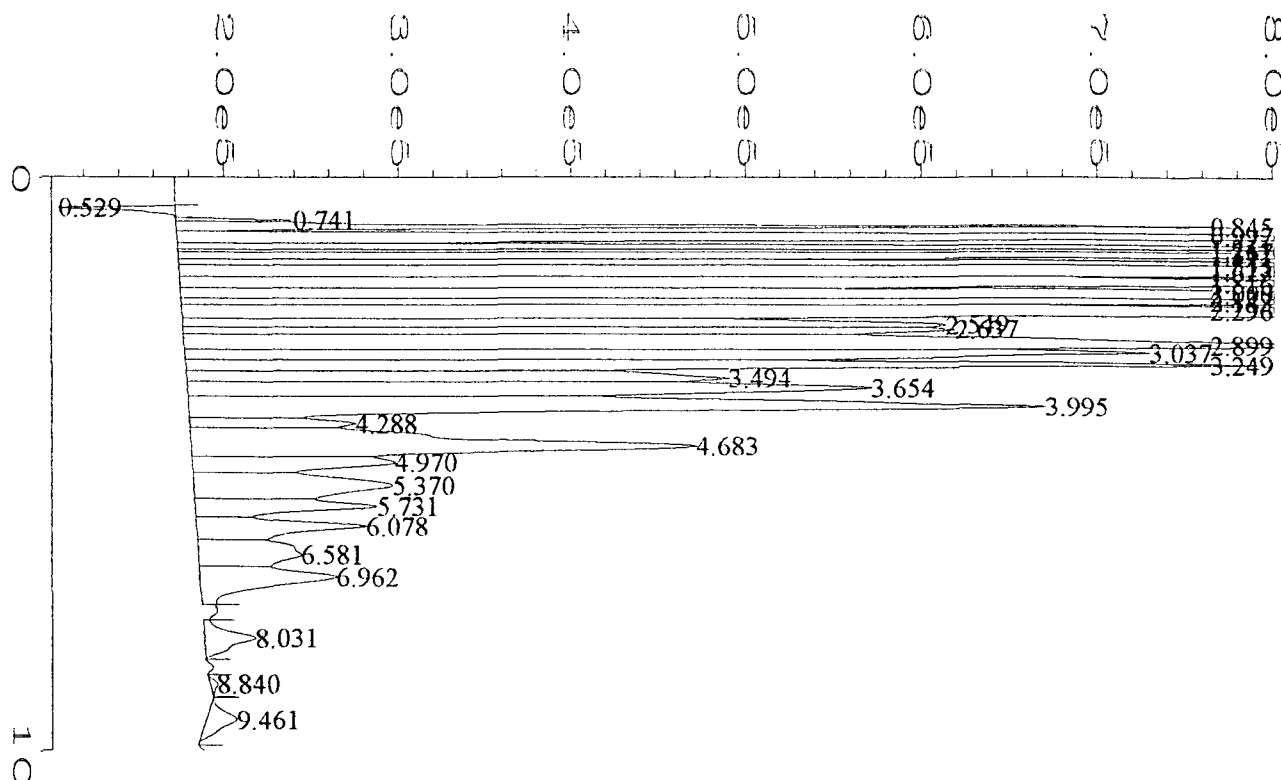
2.357

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 * |

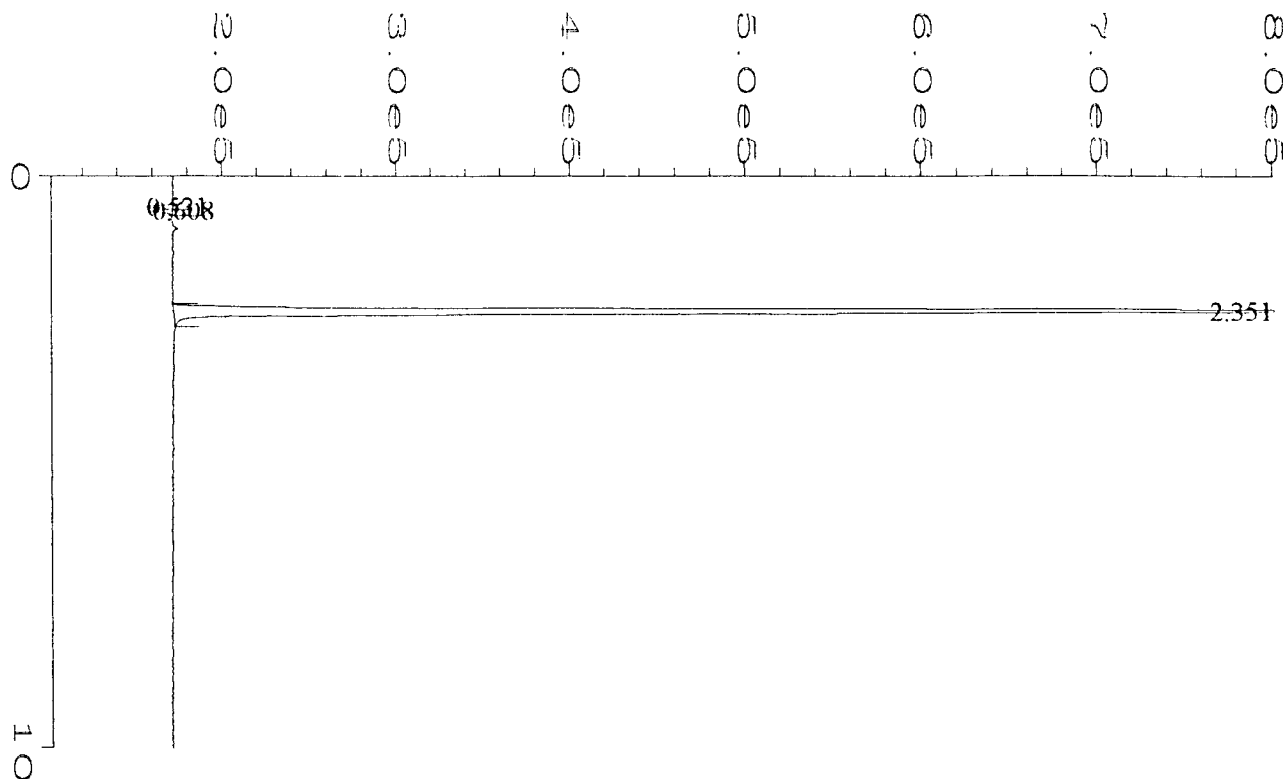
Data File Name : A:\NV-F0927.D  
Operator :  
Instrument : RECON GC  
Sample Name : SG-30, PH-15  
Run Time Bar Code:  
Acquired on : 10 Dec 93 09:20 AM  
Report Created on: 21 Jan 94 03:59 PM  
Last Recalib on : 21 Jan 94 03:48 PM  
Multiplier : 1

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

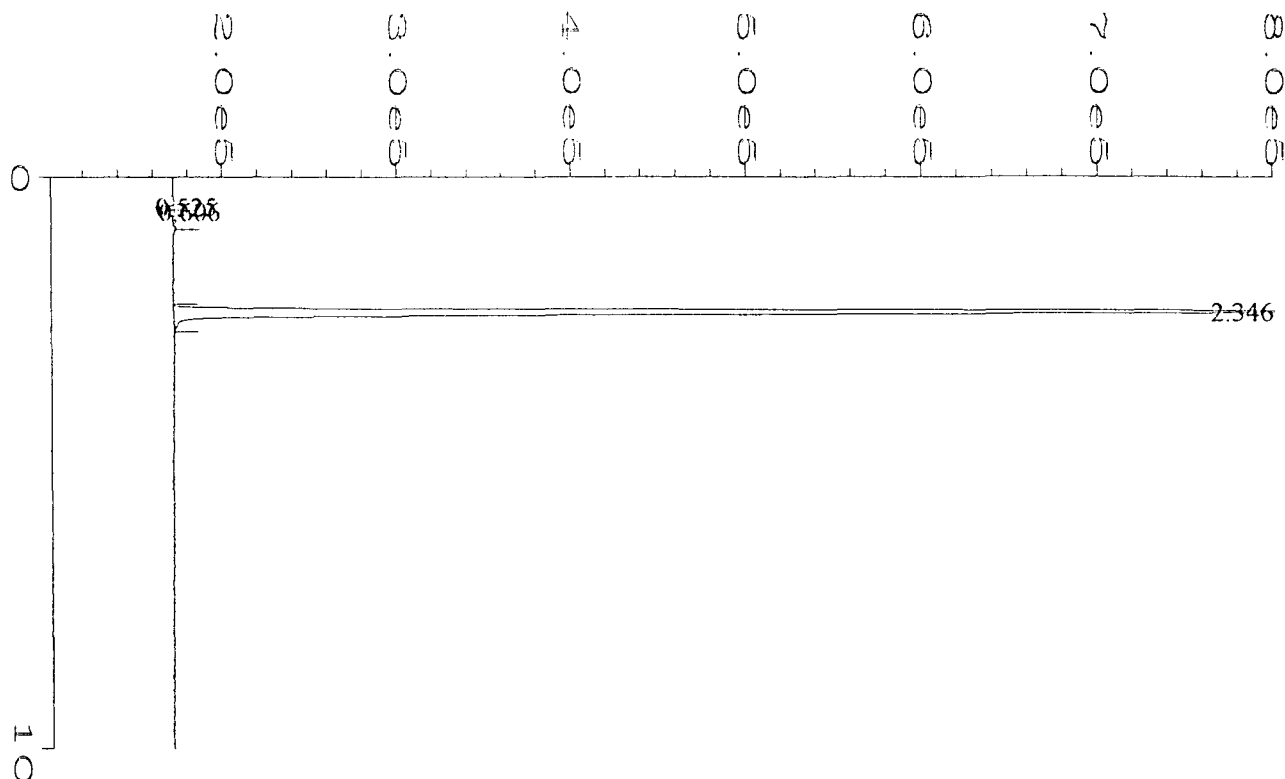
Actual RT

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

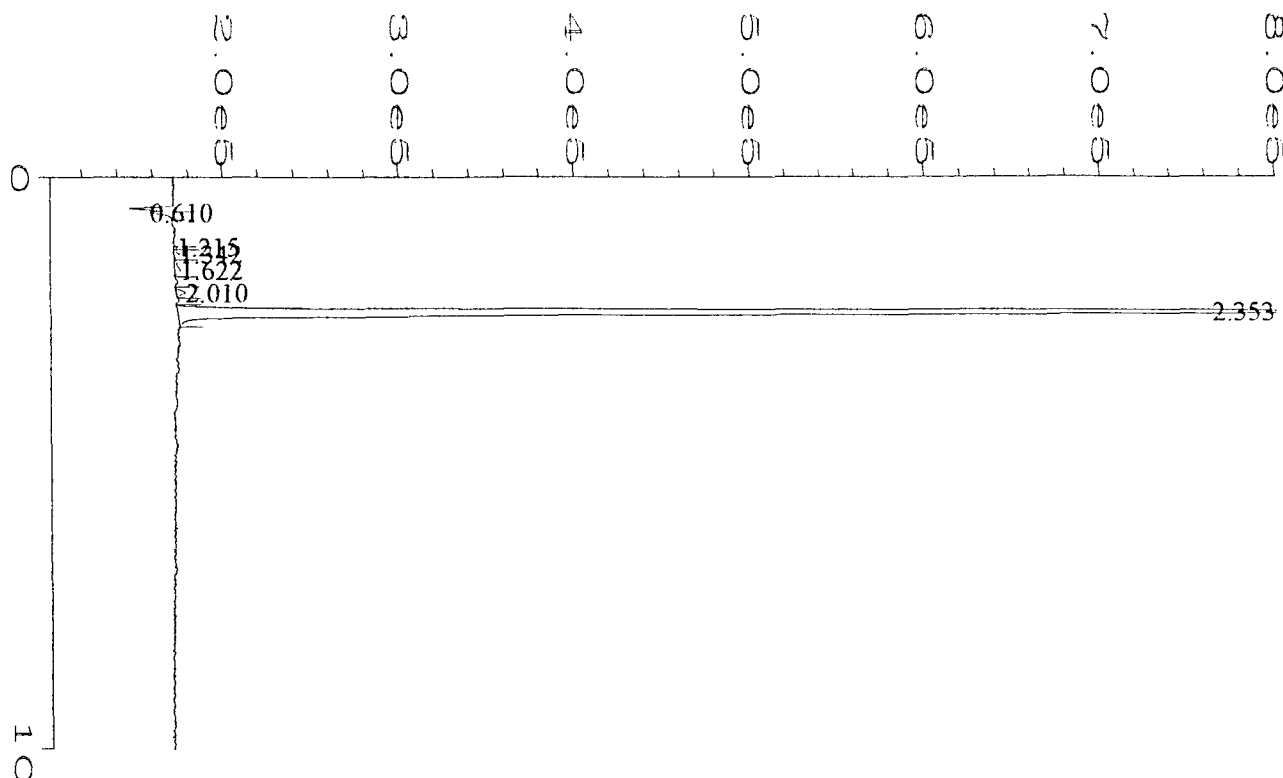
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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

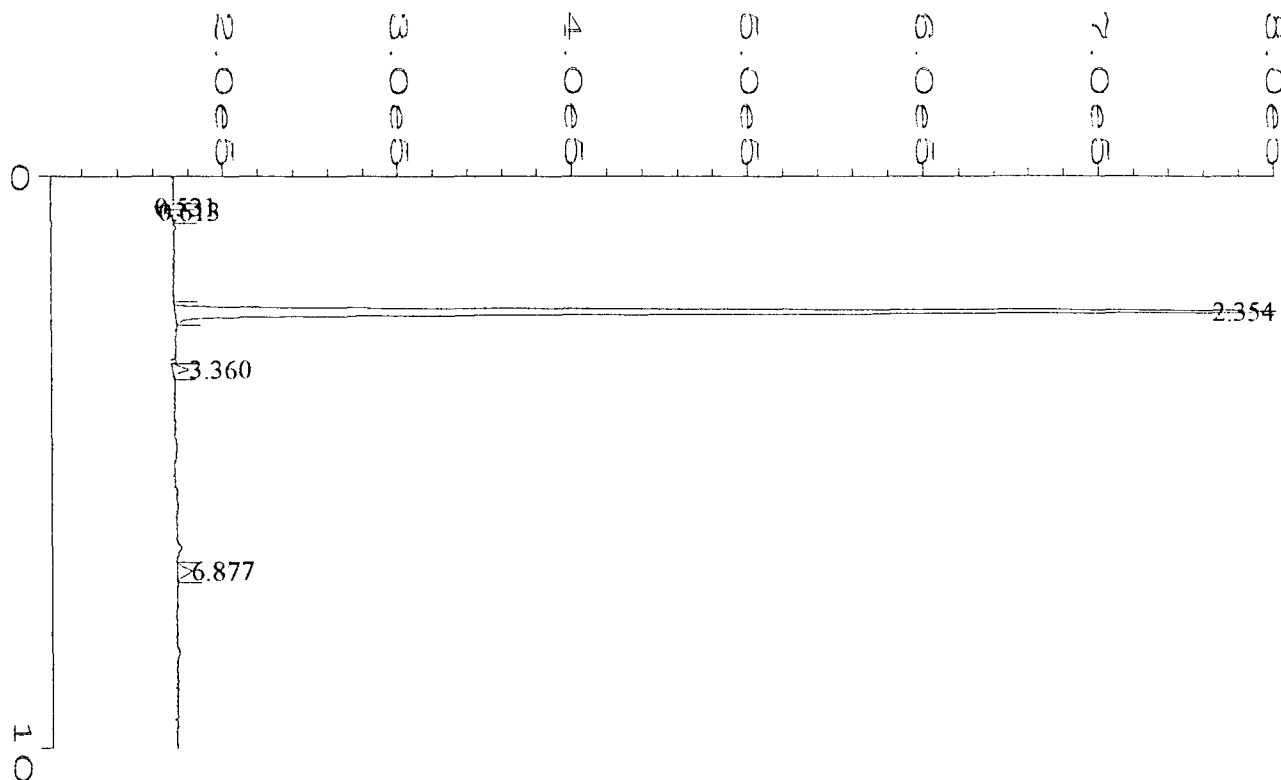
Data File Name : A:\NV-F0930.D  
 Operator :  
 Instrument : RECON GC  
 Sample Name : SG-33, PH-17  
 Run Time Bar Code:  
 Acquired on : 10 Dec 93 10:21 AM  
 Report Created on: 21 Jan 94 04:02 PM  
 Last Recalib on : 21 Jan 94 03:48 PM  
 Multiplier : 1

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

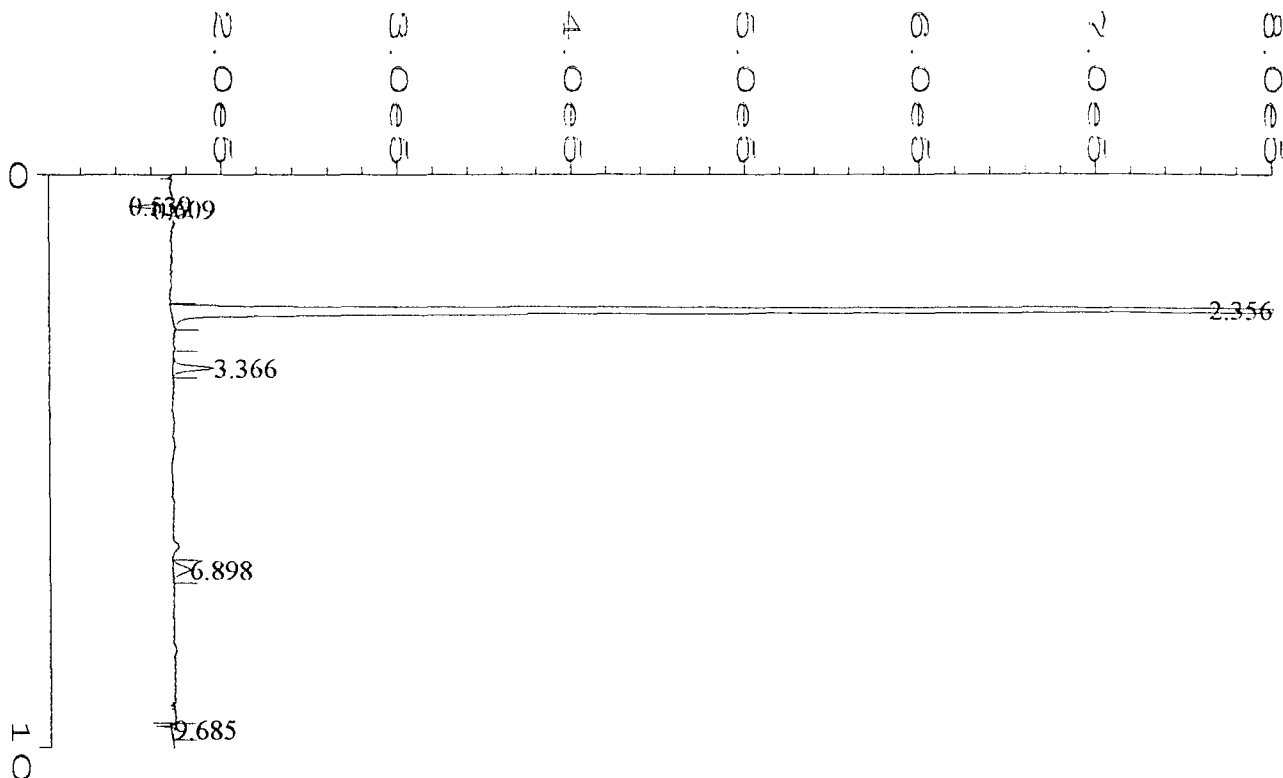
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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

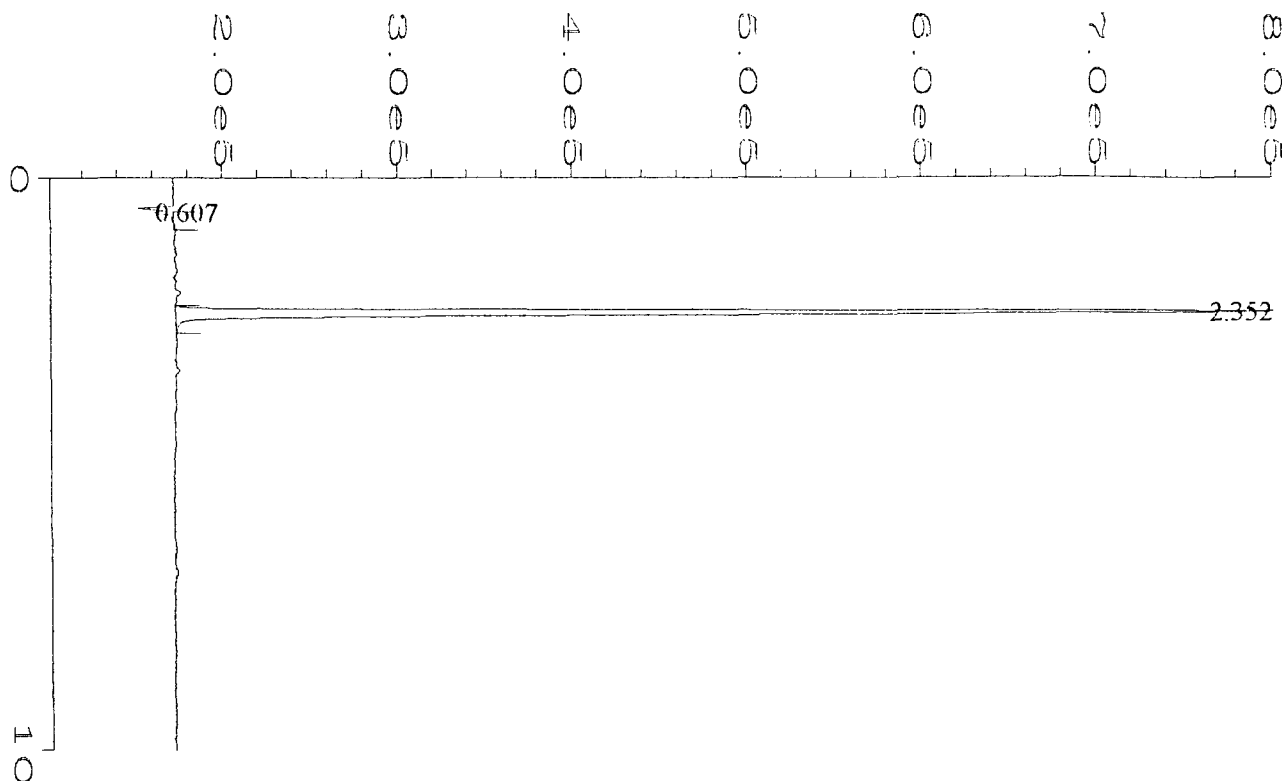
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

Fig. 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

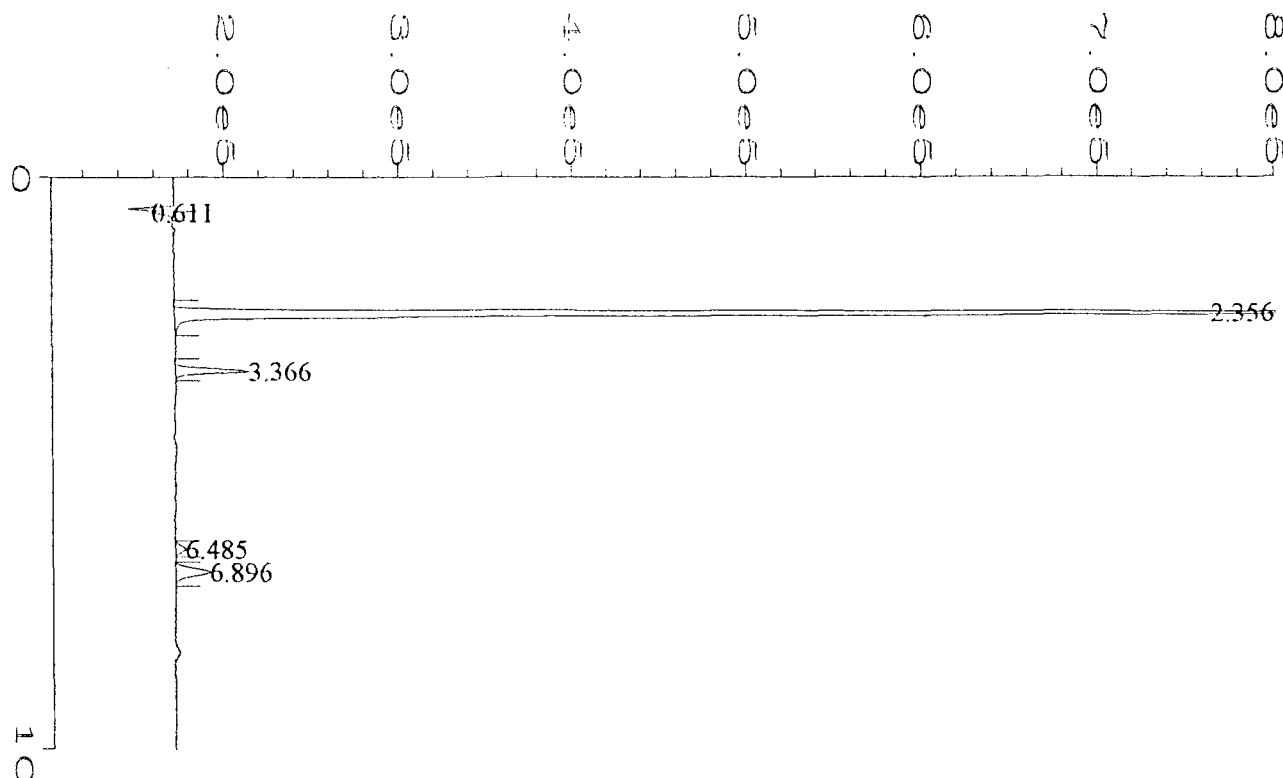
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MT  
 Analysis Method : BLOOMREF.MT  
 Sample Amount : 0  
 ISTD Amount :

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

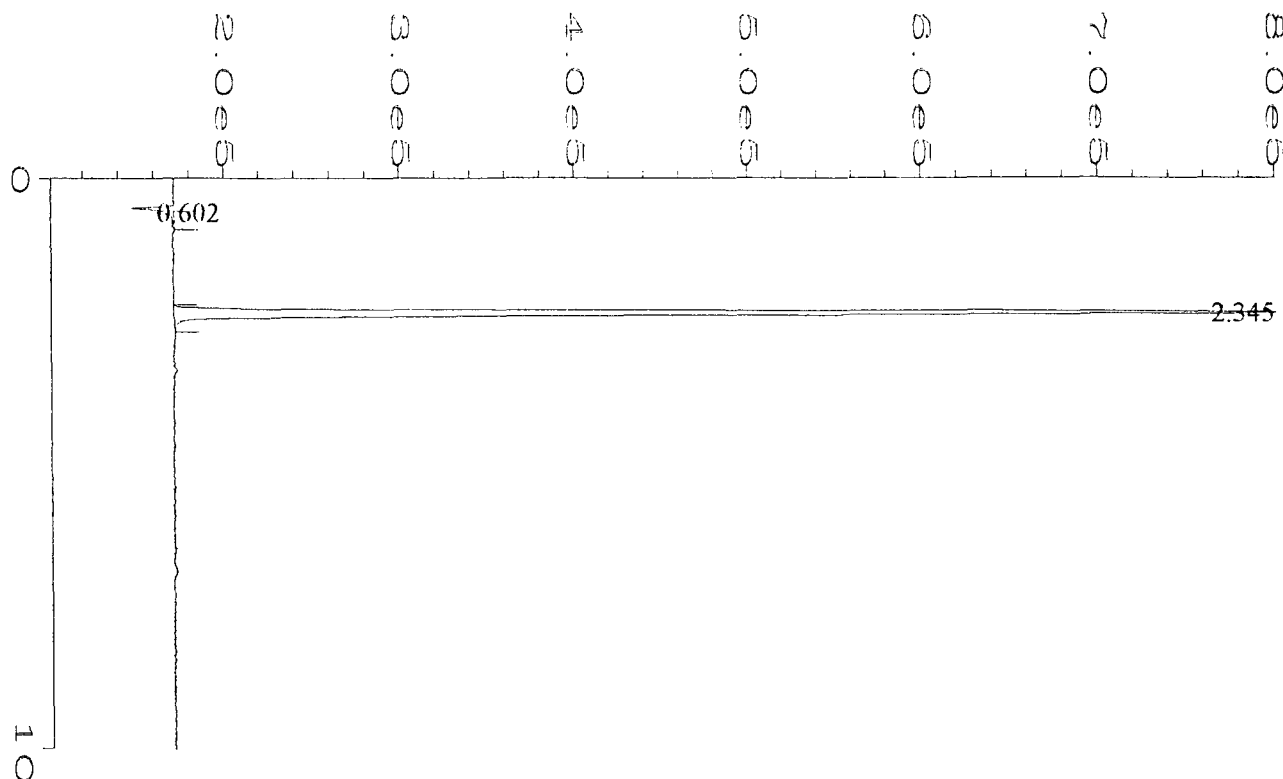
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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

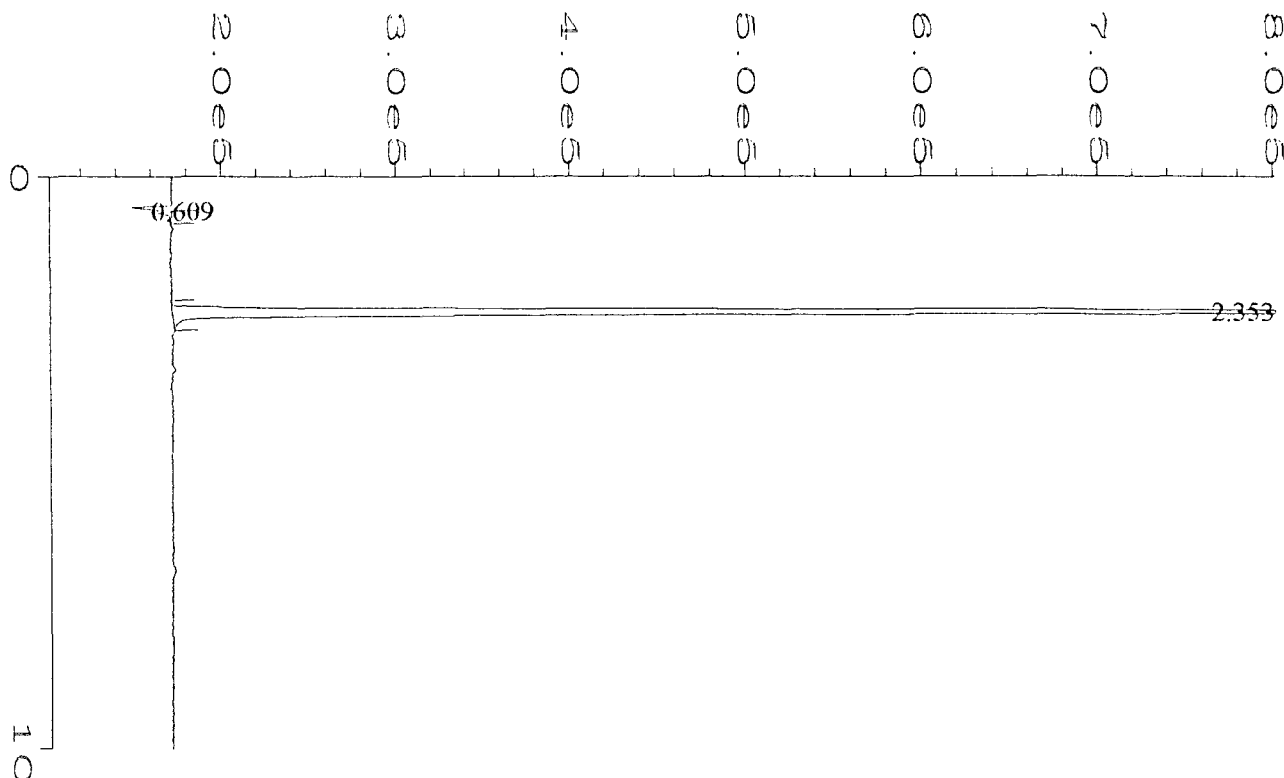
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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

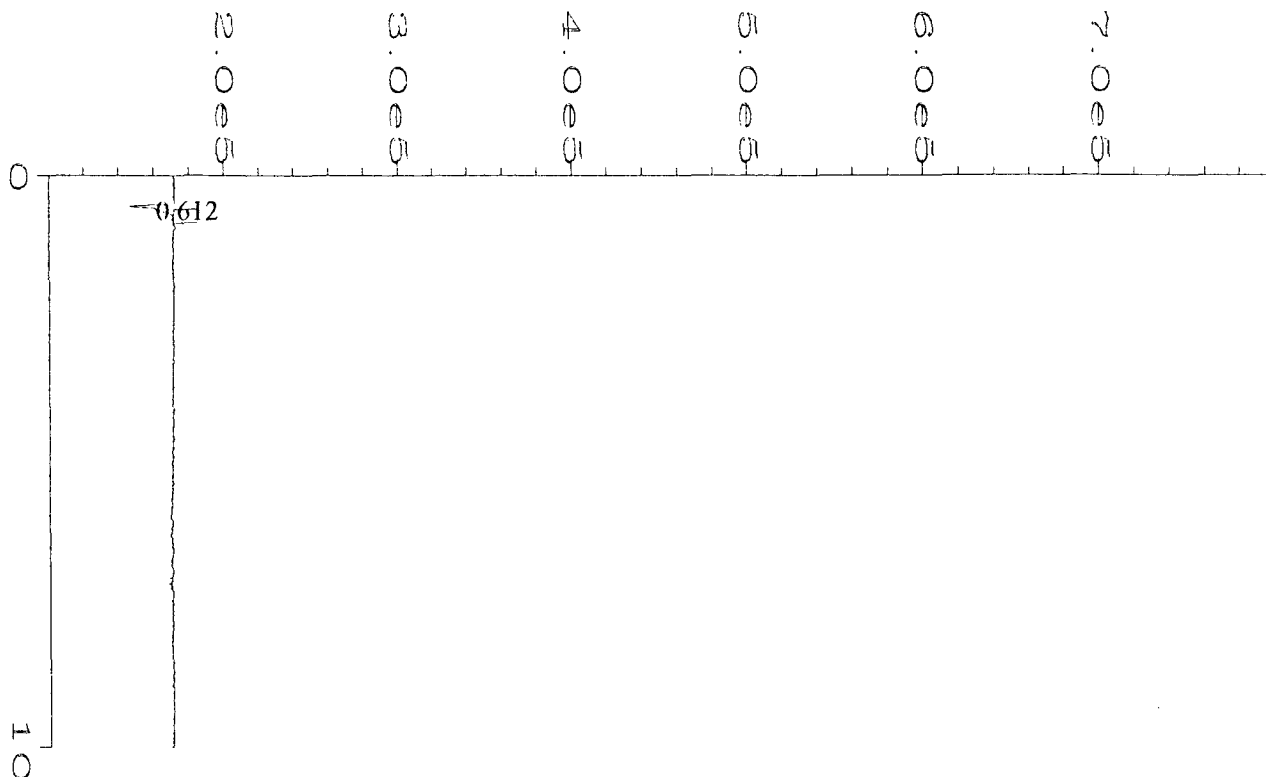
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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 * |

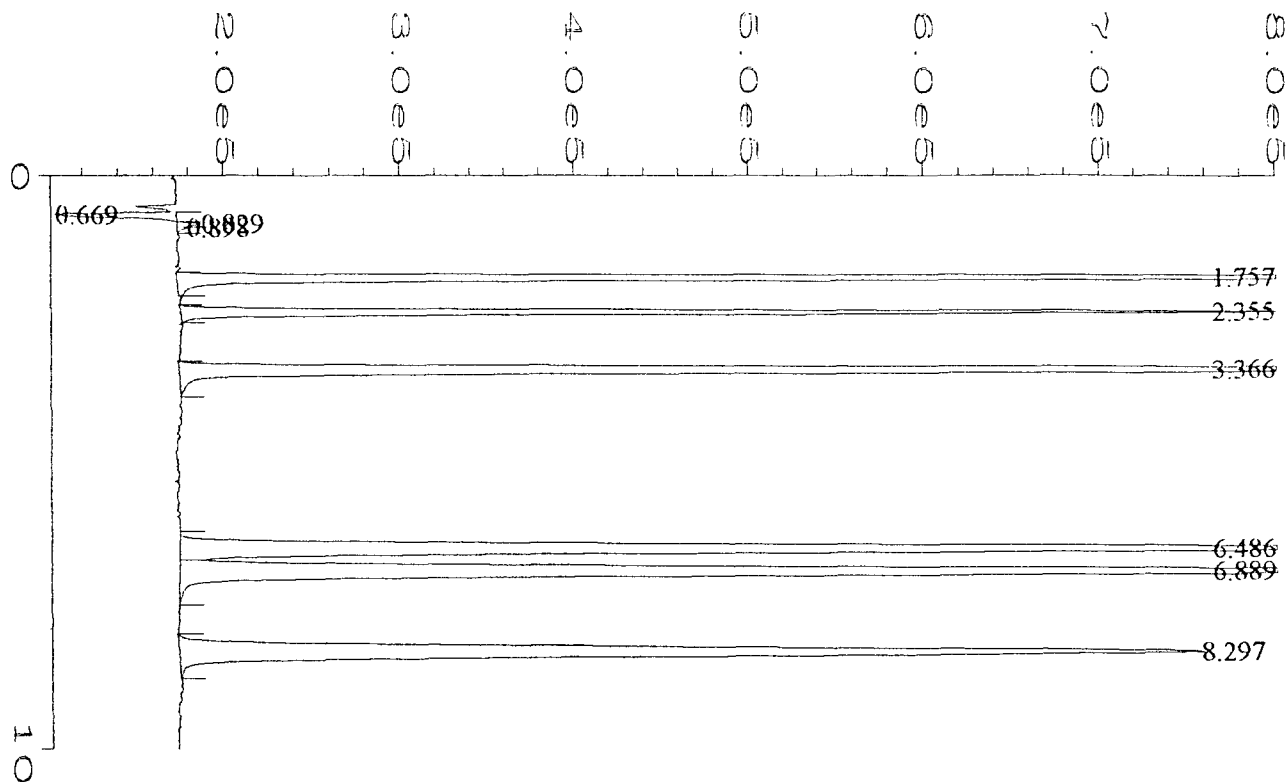
|                     |             |               |            |
|---------------------|-------------|---------------|------------|
| Time Reference Peak | Expected RT | Actual RT     | Difference |
| 2                   | 2.354       | * not found * |            |

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

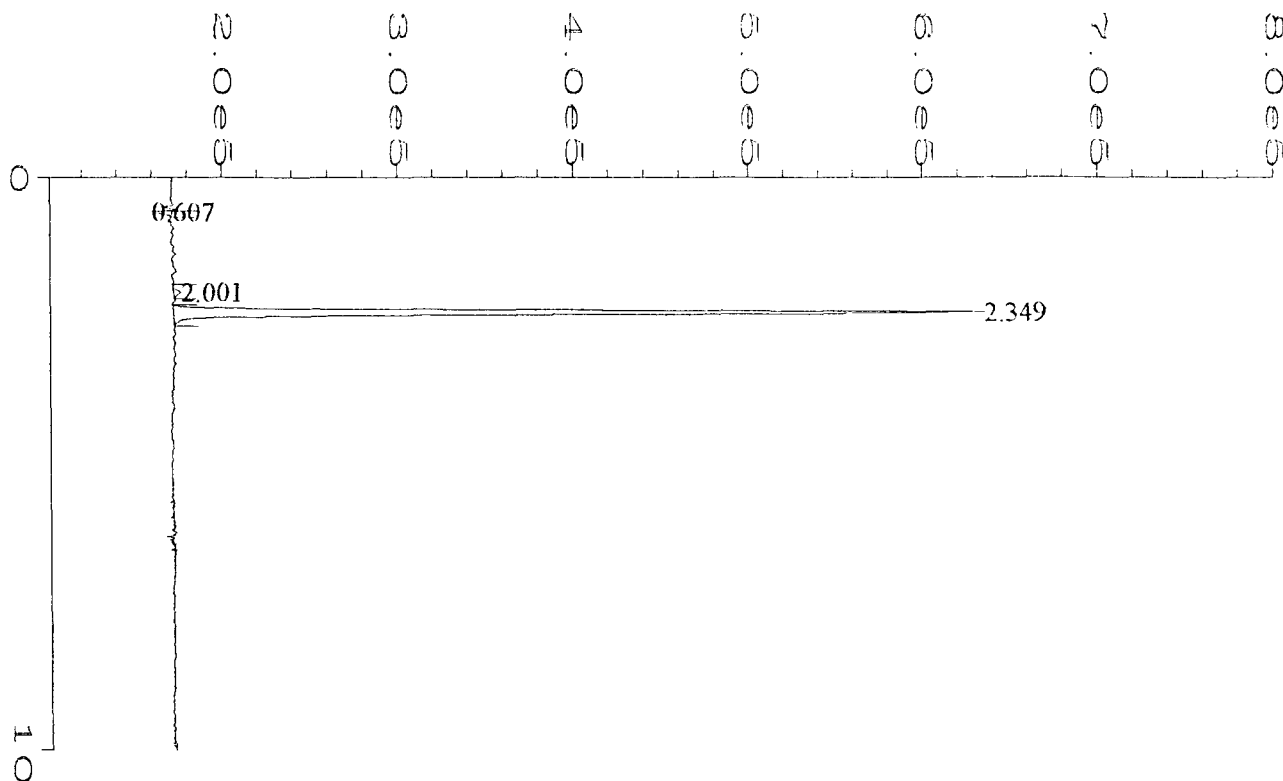
| Ret Time | Area    | Type | Width | Ref# | ug/L      | Name             |
|----------|---------|------|-------|------|-----------|------------------|
| 1.757    | 9175403 | PV   | 0.064 | 1    | 98.157    | Benzene          |
| 2.355    | 3221162 | PV   | 0.079 | 1-R  | 0.000958  | a,a,a-TFT        |
| 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

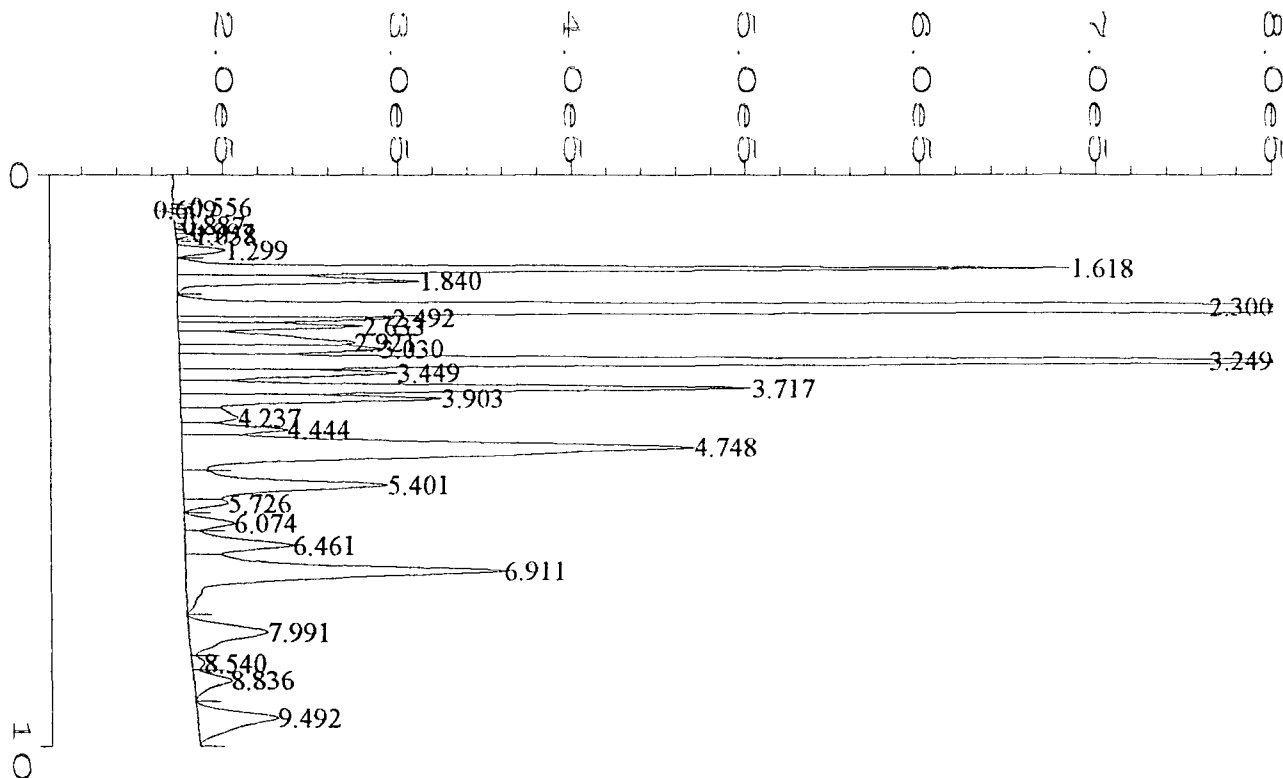
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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

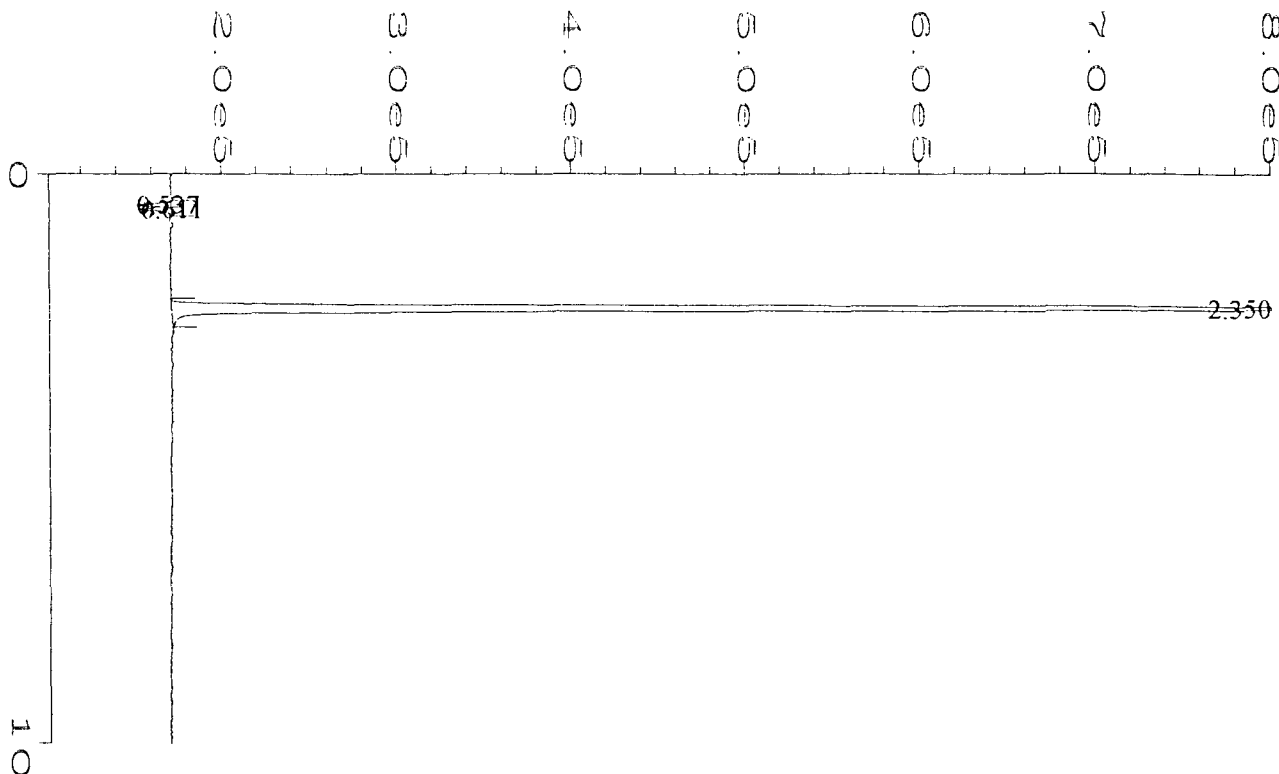
Page Number : 2  
Vial Number :  
Injection Number :  
Sequence Line :  
Instrument Method: BLOOMREF.MTH  
Analysis Method : BLOOMREF.MTH  
Sample Amount : 0  
ISTD Amount :

|       |            |       |           |                  |
|-------|------------|-------|-----------|------------------|
| 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

=====



# 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

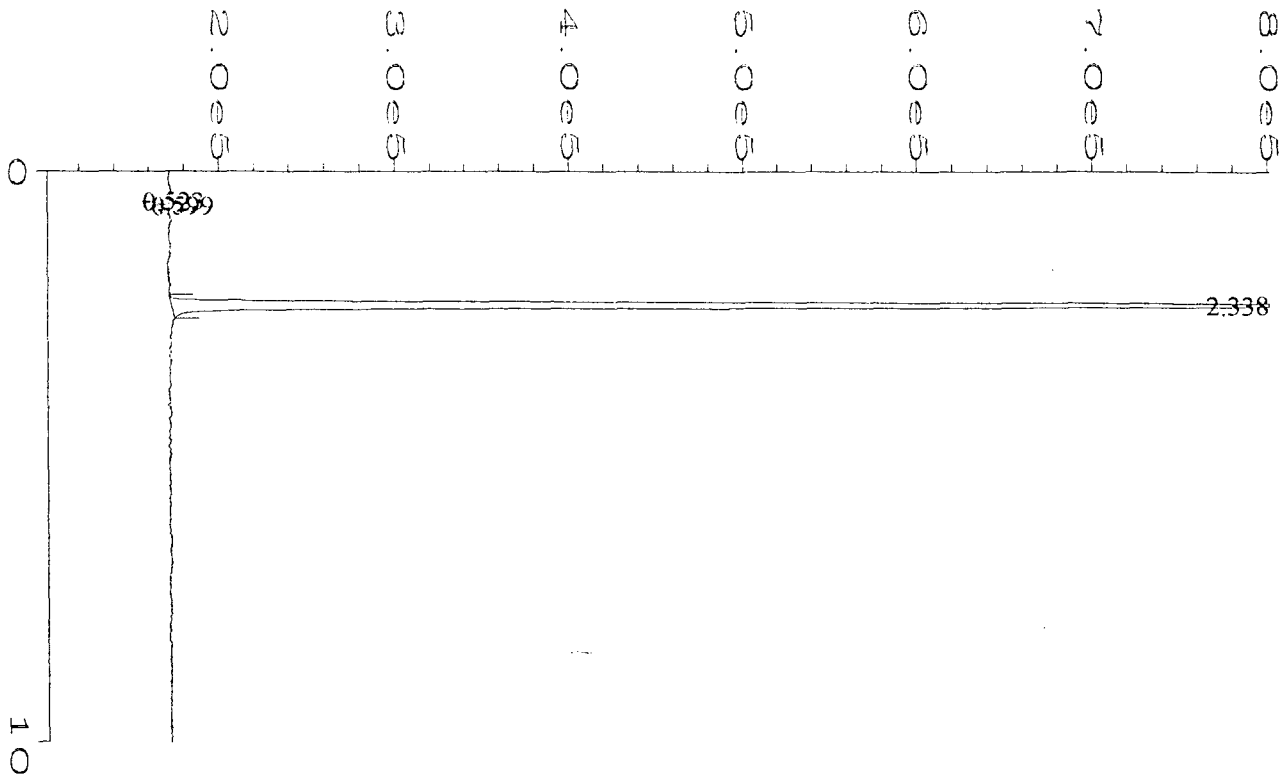
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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

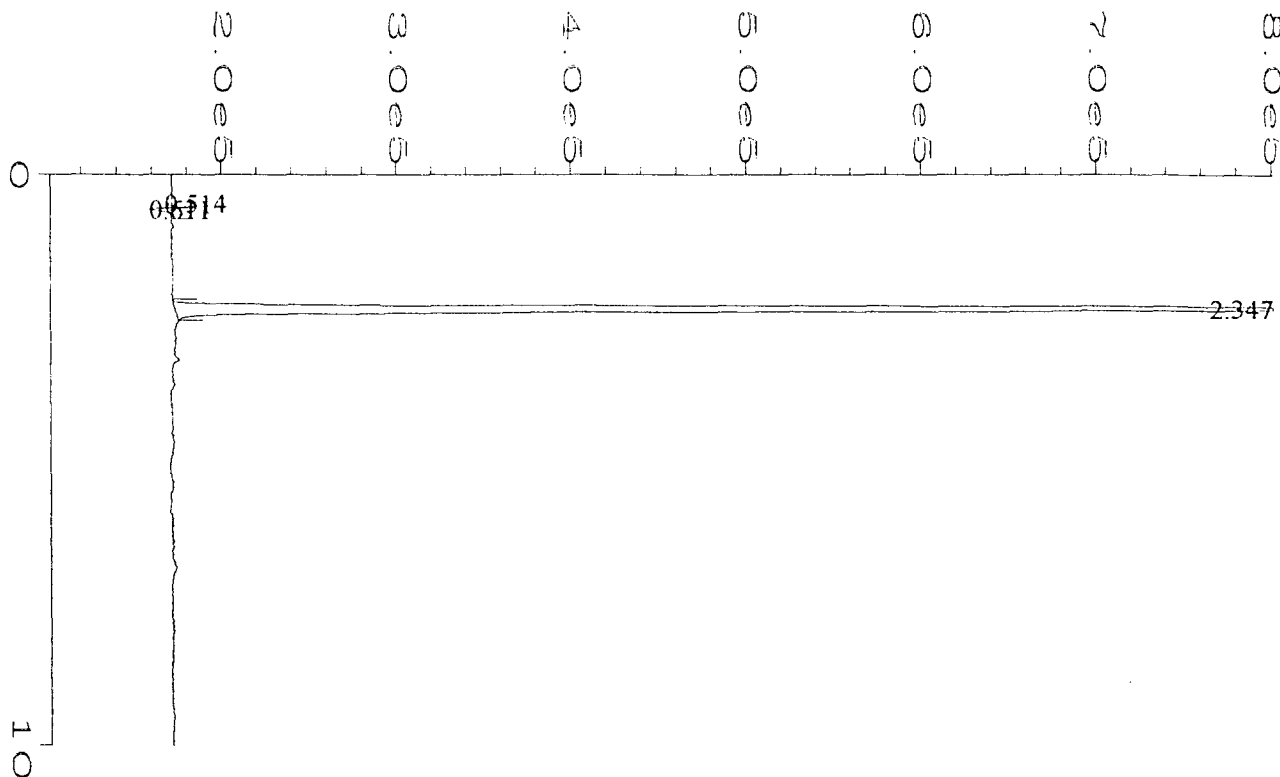
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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

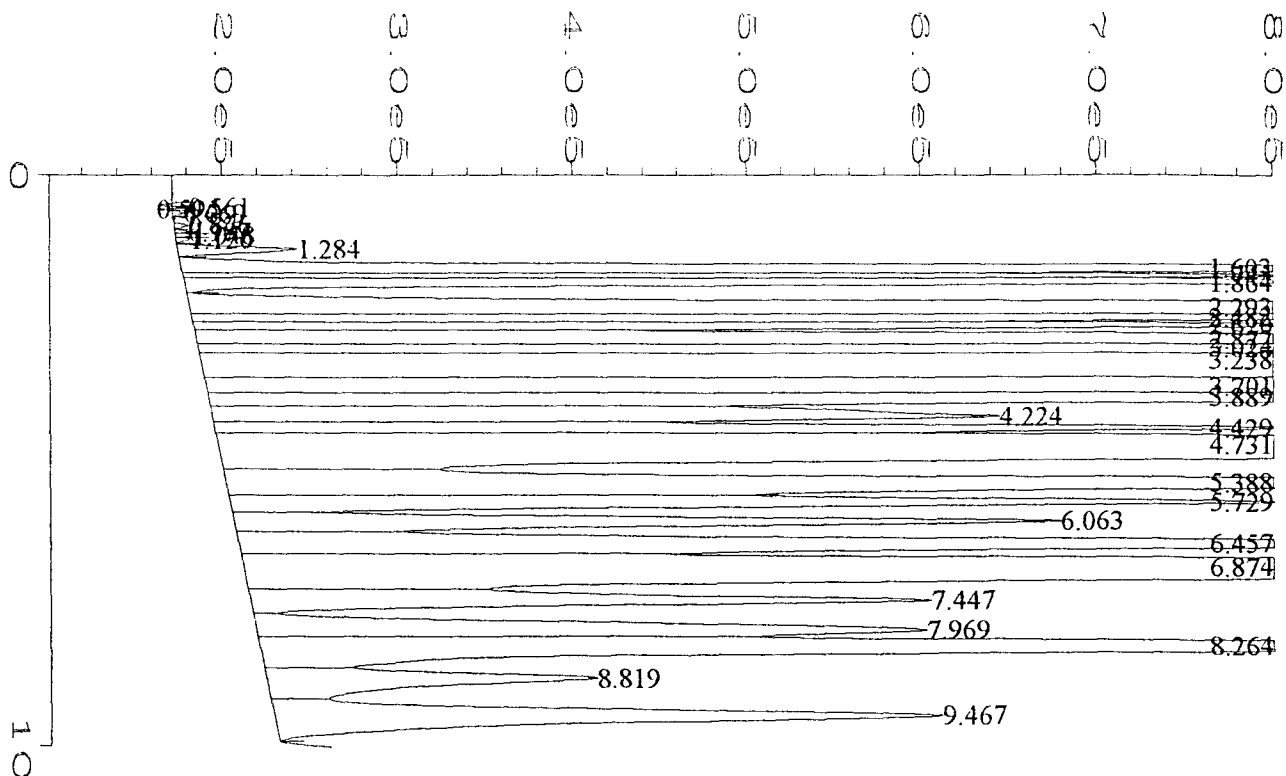
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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

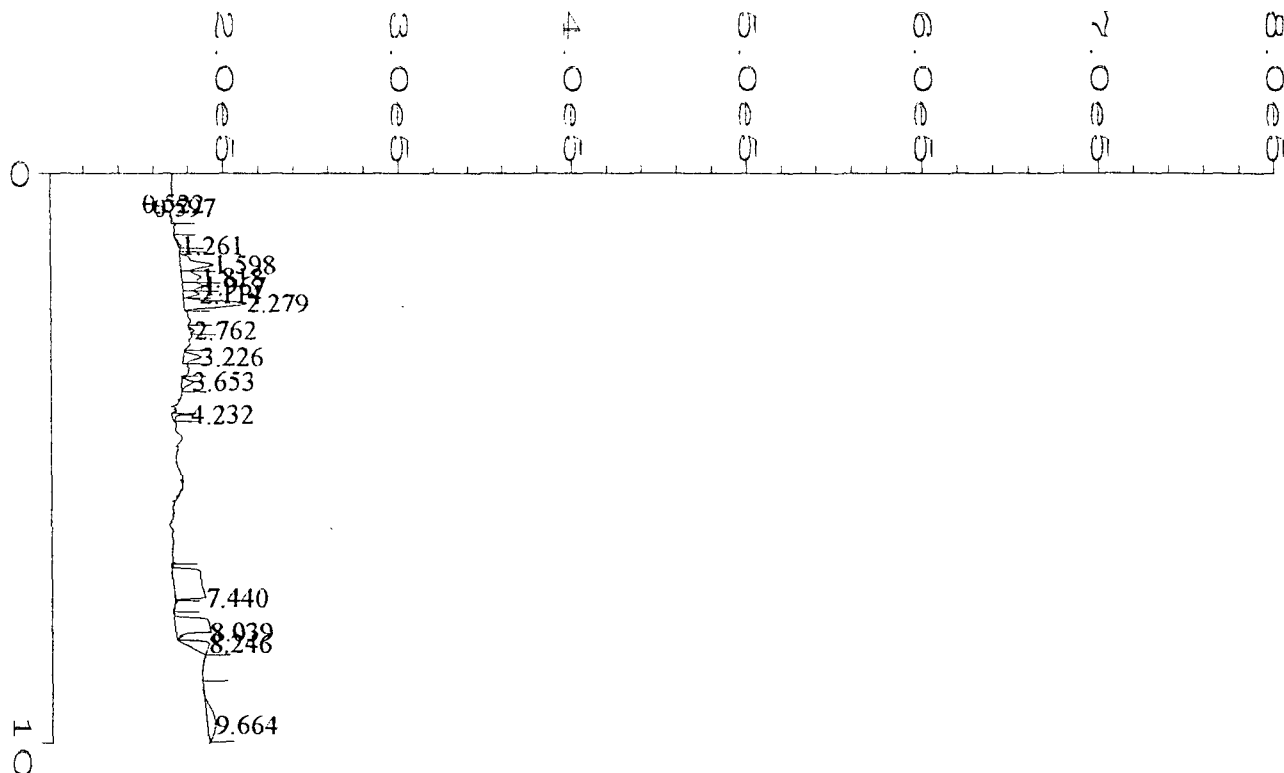
| Ret Time | Area         | Type | Width   | Ref# | ug/L      | Name             |
|----------|--------------|------|---------|------|-----------|------------------|
| 1.745    | 3246660      | VV   | 0.064   | 1    | 34.732    | Benzene          |
| 2.293    | 1.13603E+008 | VV   | 0.100   | 1-R  | 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

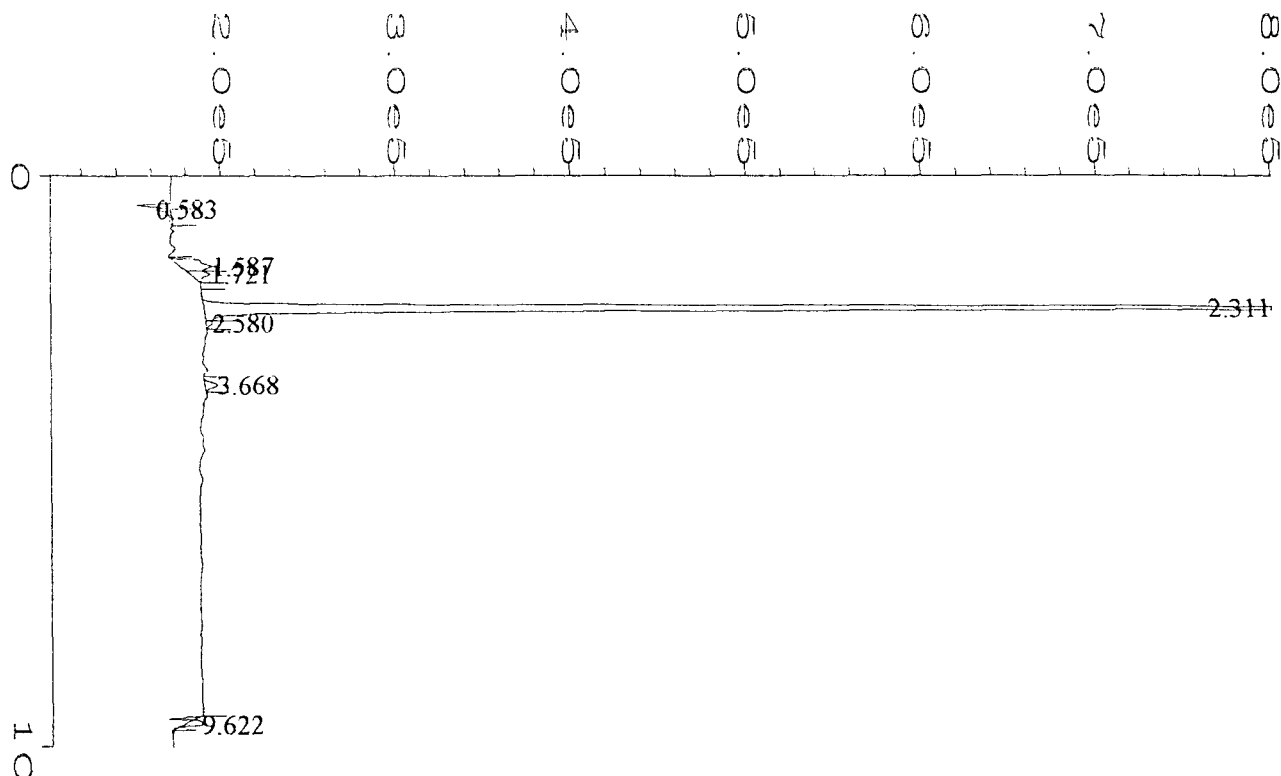
Data File Name : A:\NV-F0884.D  
Operator :  
Instrument : RECON GC  
Sample Name : SG-07, PH-04  
In Time Bar Code:  
Acquired on : 09 Dec 93 12:27 PM  
Report Created on: 21 Jan 94 02:50 PM  
Last Recalib on : 21 Jan 94 02:32 PM  
Multiplier : 1

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

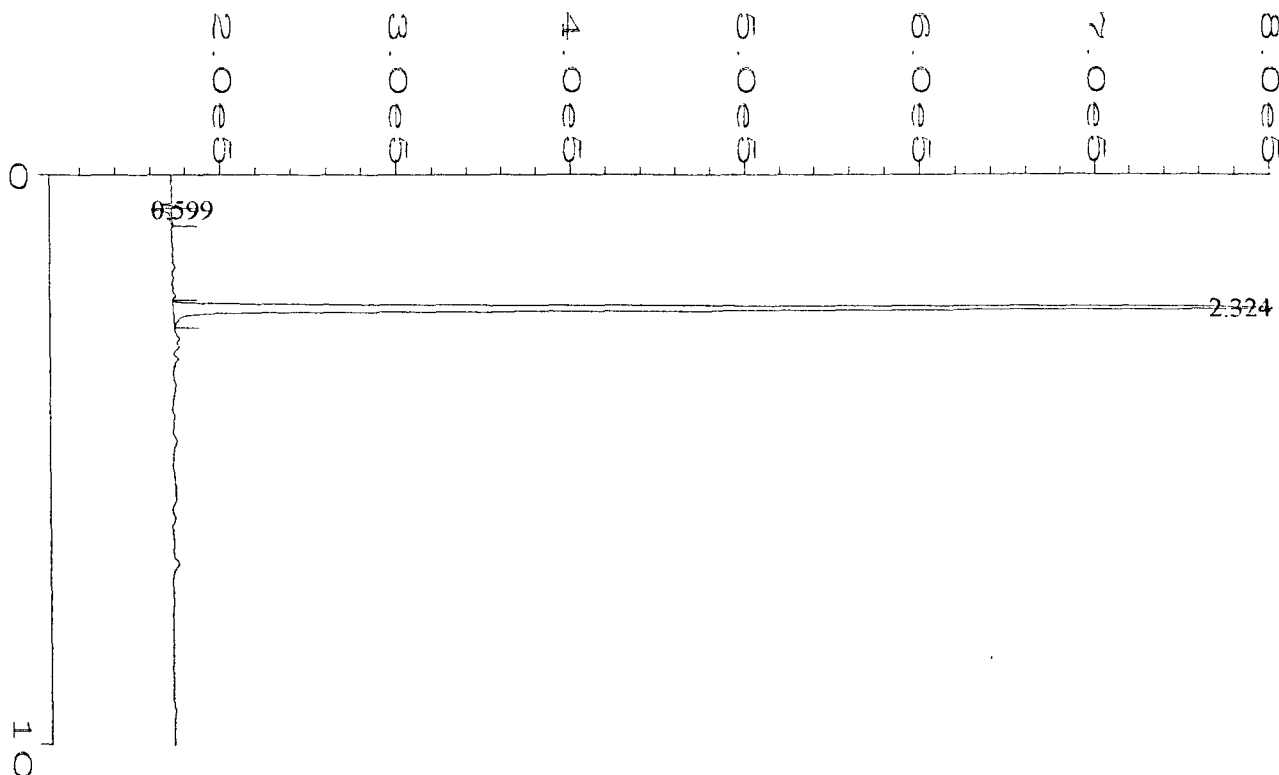
| Ret Time | Area          | Type | Width | Ref# | ug/L      | Name             |
|----------|---------------|------|-------|------|-----------|------------------|
| 1.721    | 77140         | VB   | 0.092 | 1    | 0.785     | Benzene          |
| 2.311    | 4886852       | BV   | 0.078 | 1-R  | 0.00132   | 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  
 Run 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

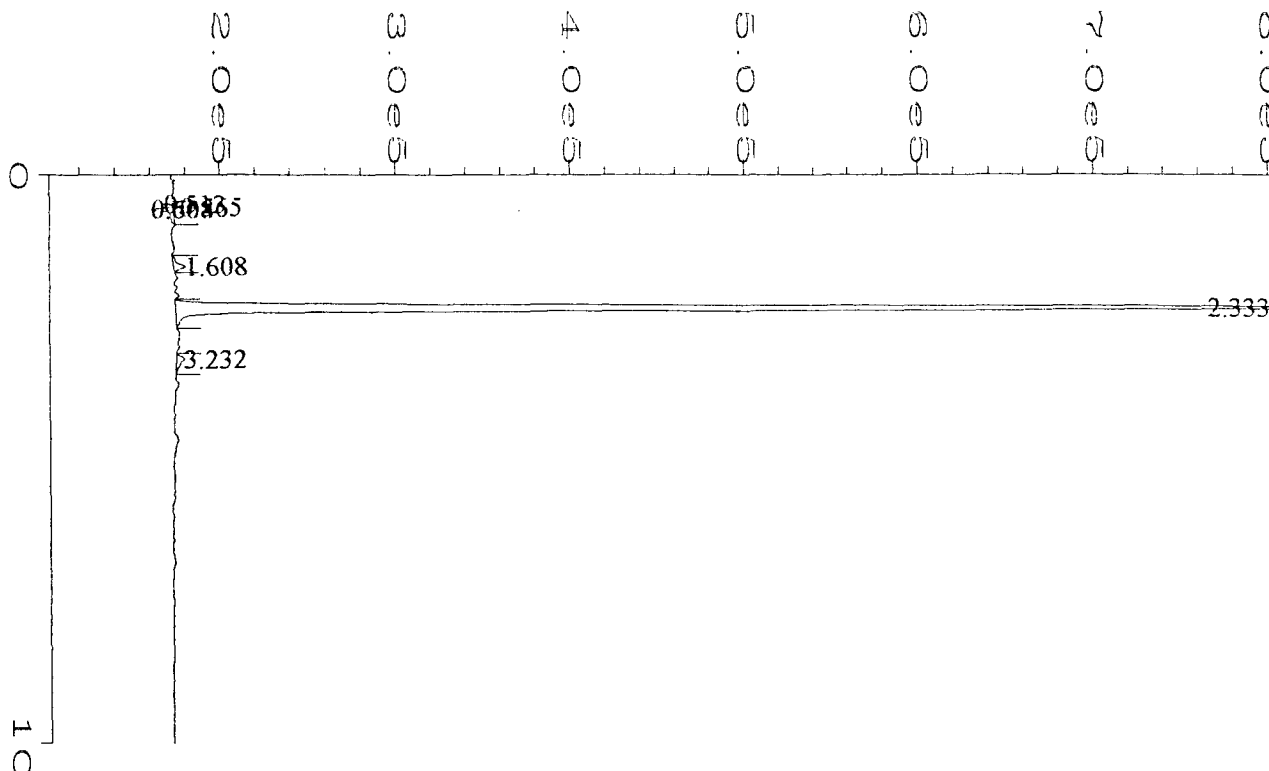
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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

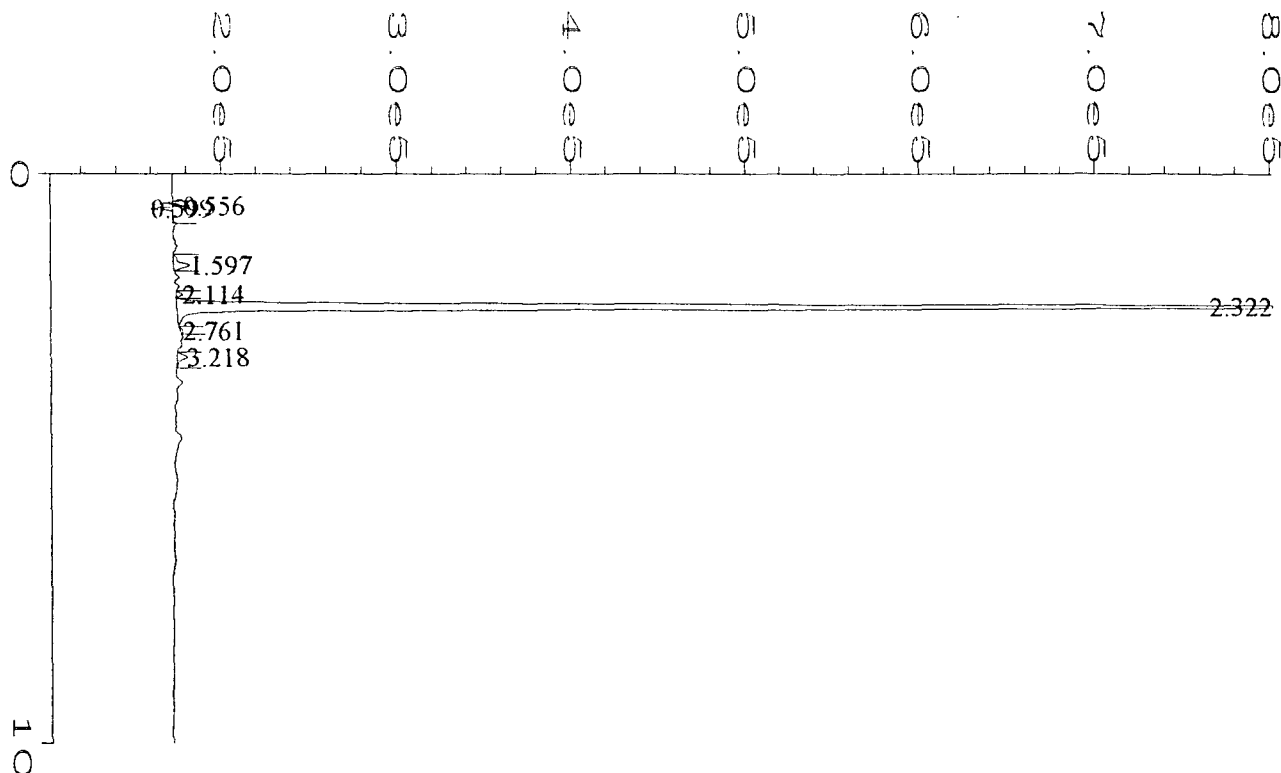
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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

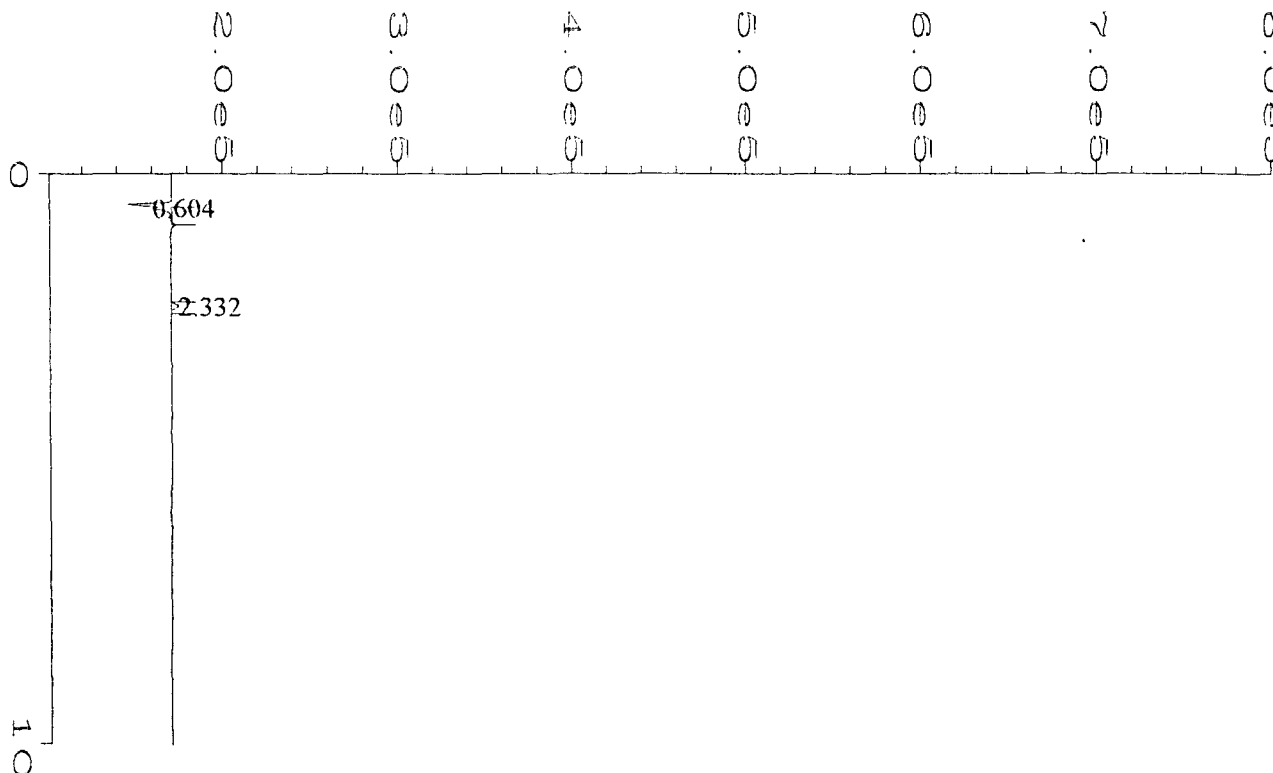
Data File Name : A:\NV-F0888.D  
 Operator :  
 Instrument : RECON GC  
 Sample Name : SG-10(D), PH-05  
 Run Time Bar Code:  
 Acquired on : 09 Dec 93 01:26 PM  
 Report Created on: 21 Jan 94 02:56 PM  
 Last Recalib on : 21 Jan 94 02:32 PM  
 Multiplier : 1

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

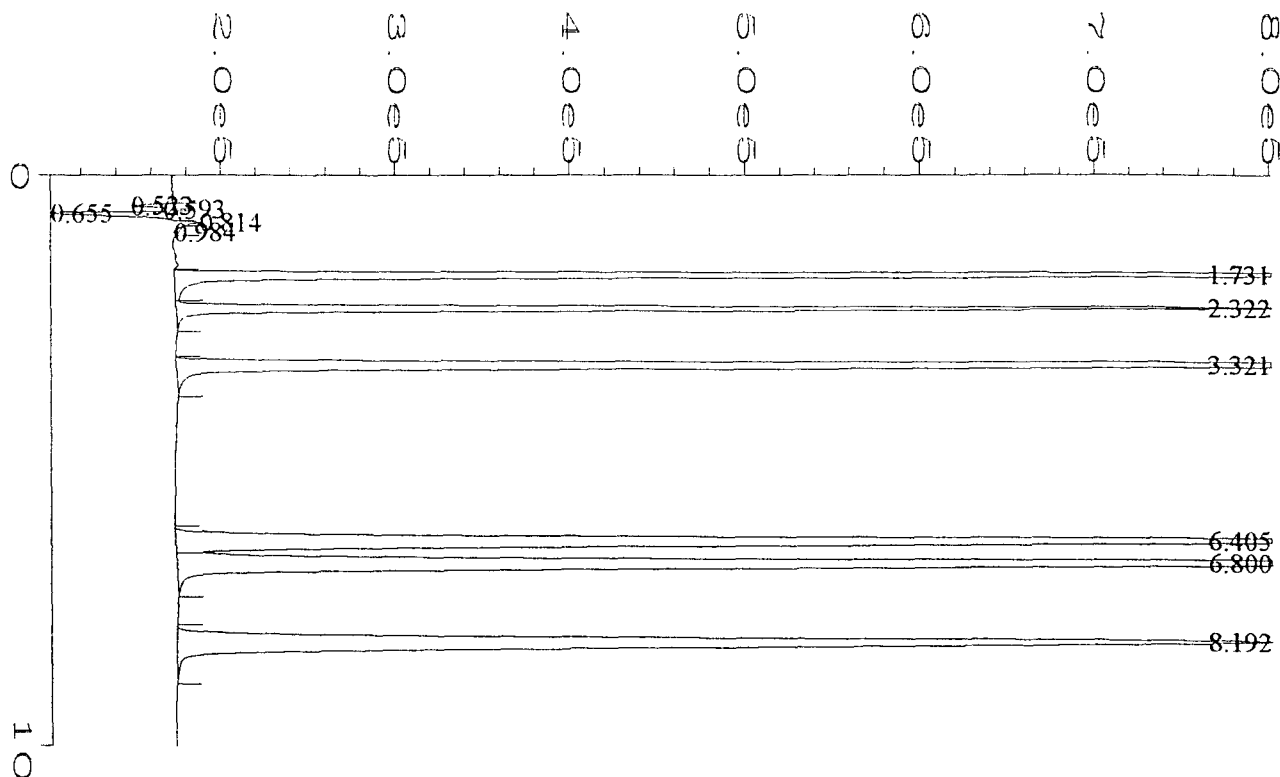
2

2.365

2.332

-1.4%

Not all calibrated peaks were found



# External Standard Report

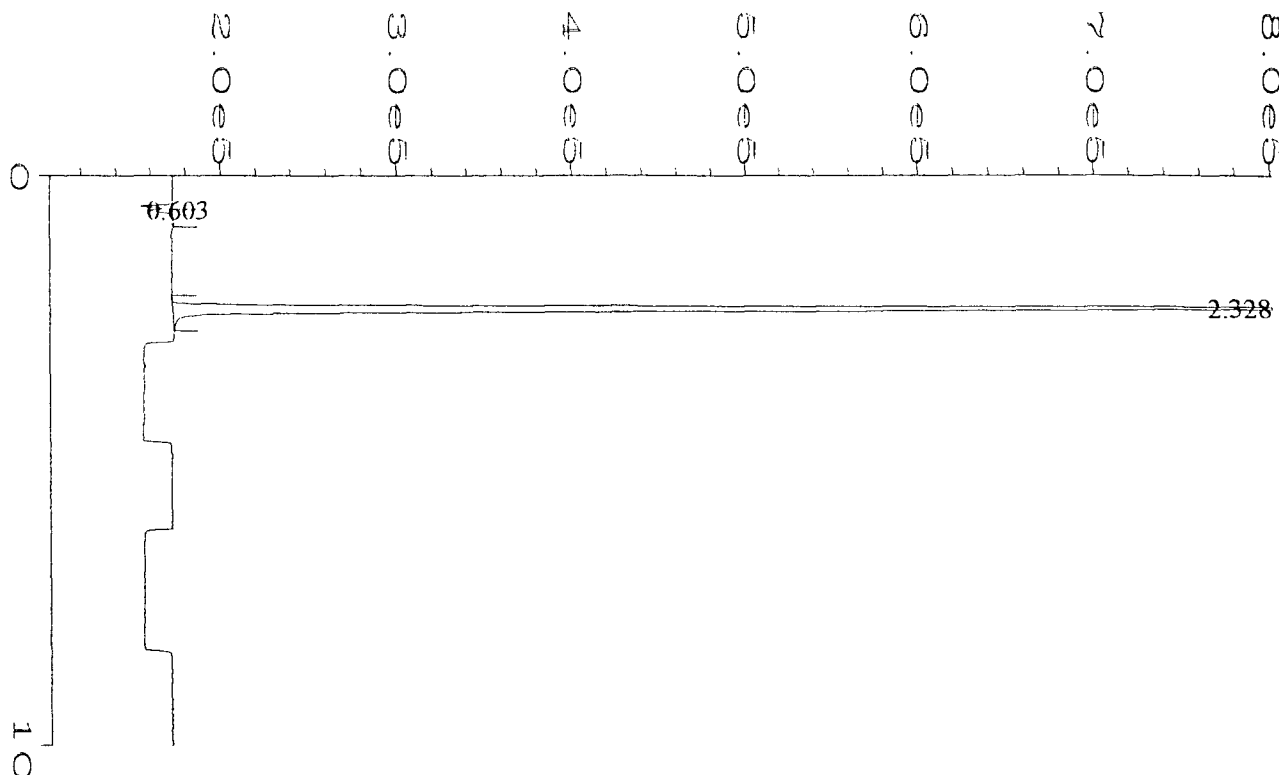
Data File Name : A:\NV-F0890.D  
 Operator :  
 Instrument : RECON GC  
 Sample Name : STD-1209  
 Run Time Bar Code:  
 Acquired on : 09 Dec 93 01:54 PM  
 Report Created on: 21 Jan 94 02:58 PM  
 Last Recalib on : 21 Jan 94 02:32 PM  
 Multiplier : 1

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

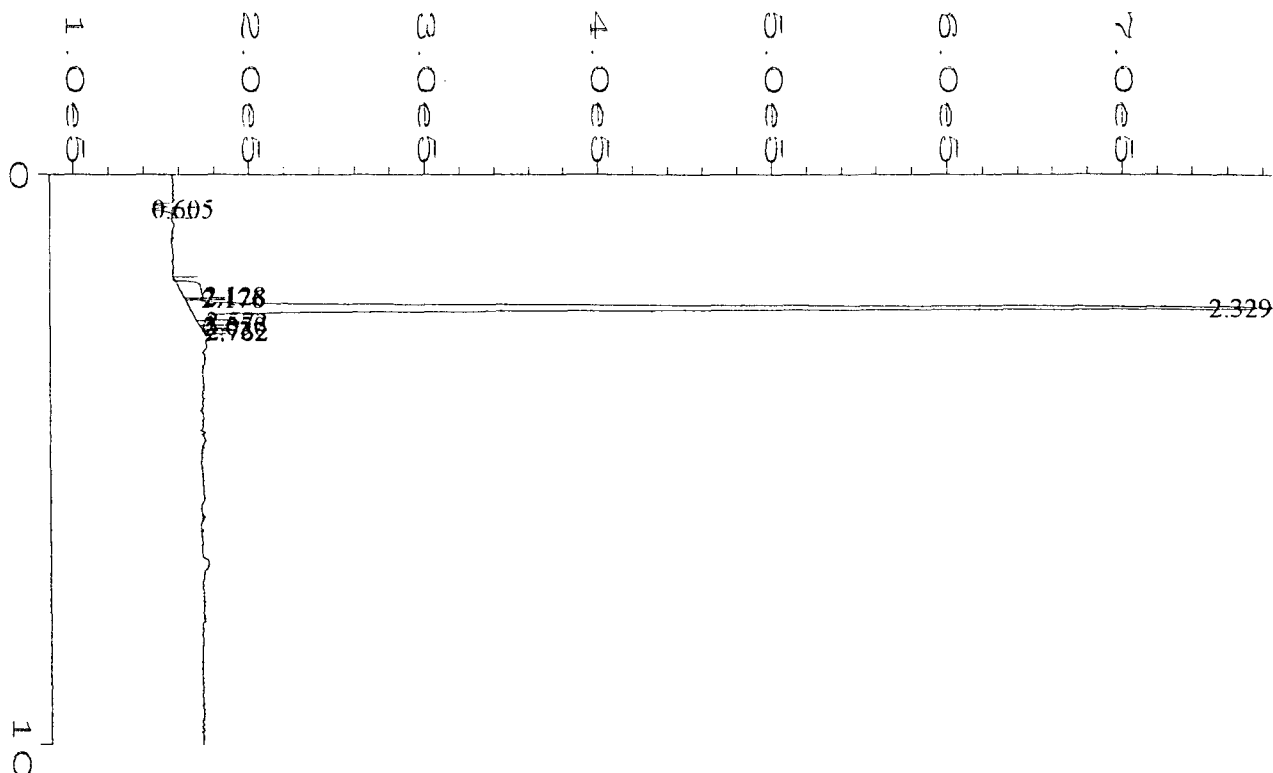
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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

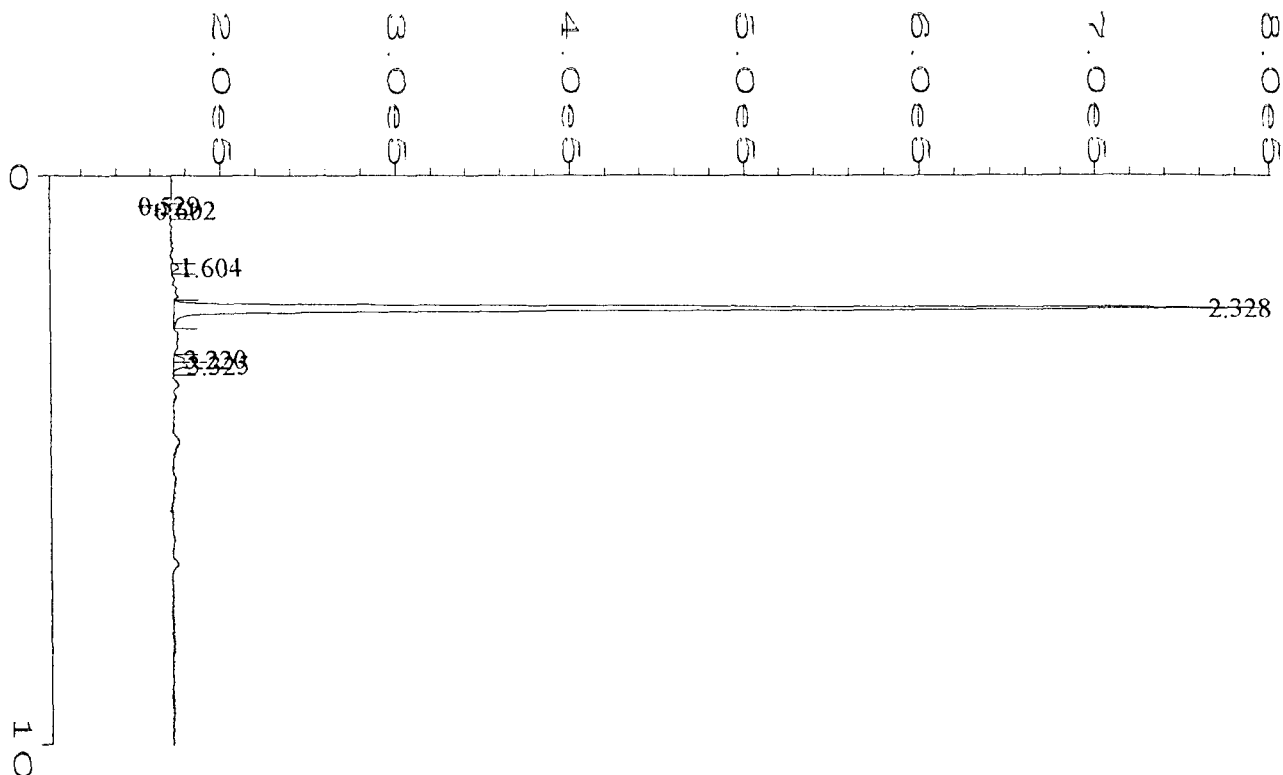
Data File Name : A:\NV-F0892.D  
 Operator :  
 Instrument : RECON GC  
 Sample Name : SG-12, PH-06  
 Run Time Bar Code:  
 Acquired on : 09 Dec 93 02:30 PM  
 Report Created on: 21 Jan 94 03:00 PM  
 Last Recalib on : 21 Jan 94 02:32 PM  
 Multiplier : 1

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

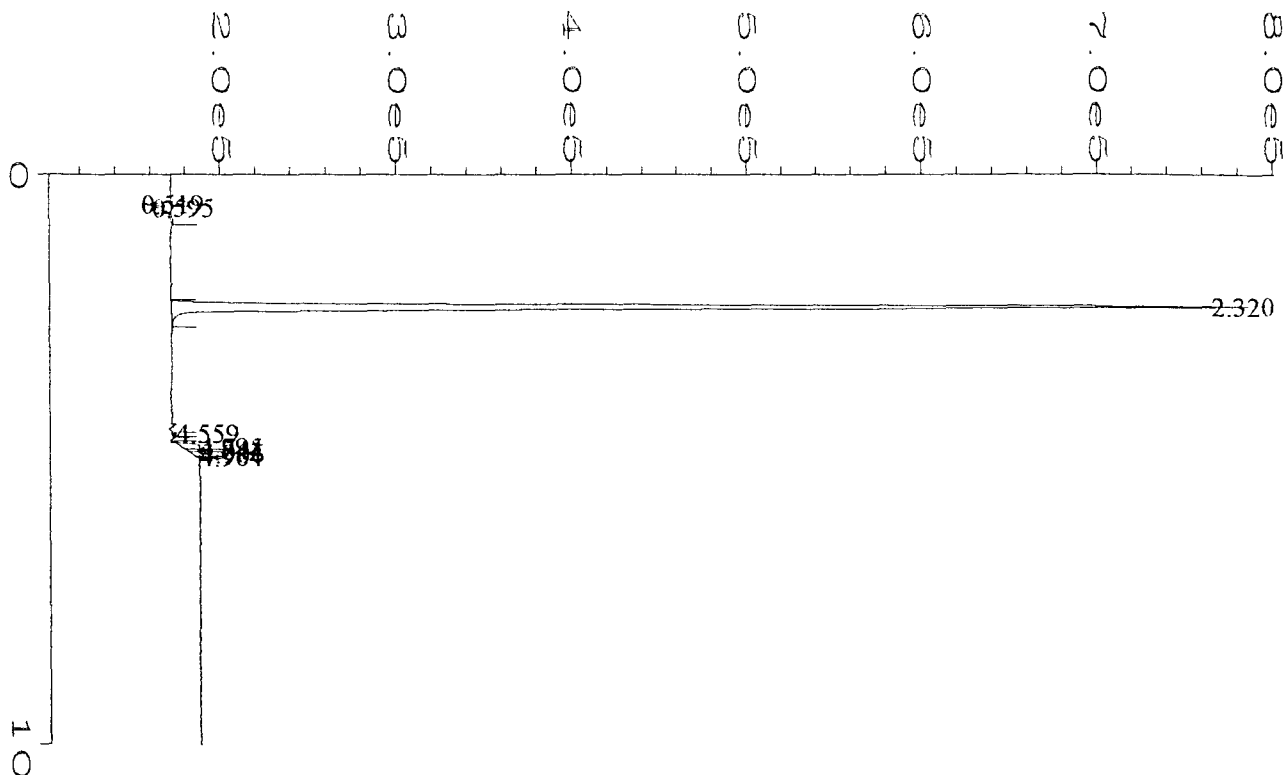
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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

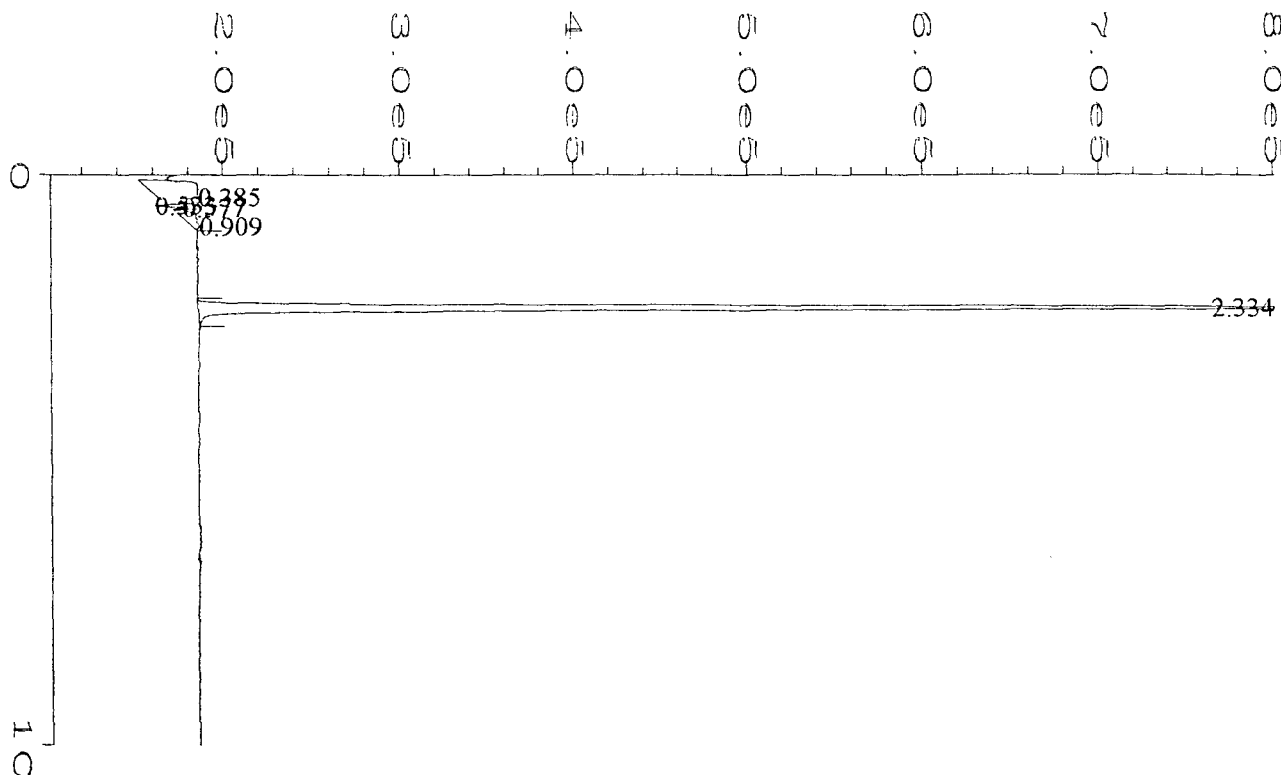
Data File Name : A:\NV-F0894.D  
 Operator :  
 Instrument : RECON GC  
 Sample Name : SG-14, PH-07  
 Run Time Bar Code:  
 Acquired on : 09 Dec 93 03:00 PM  
 Report Created on: 21 Jan 94 03:02 PM  
 Last Recalib on : 21 Jan 94 02:32 PM  
 Multiplier : 1

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

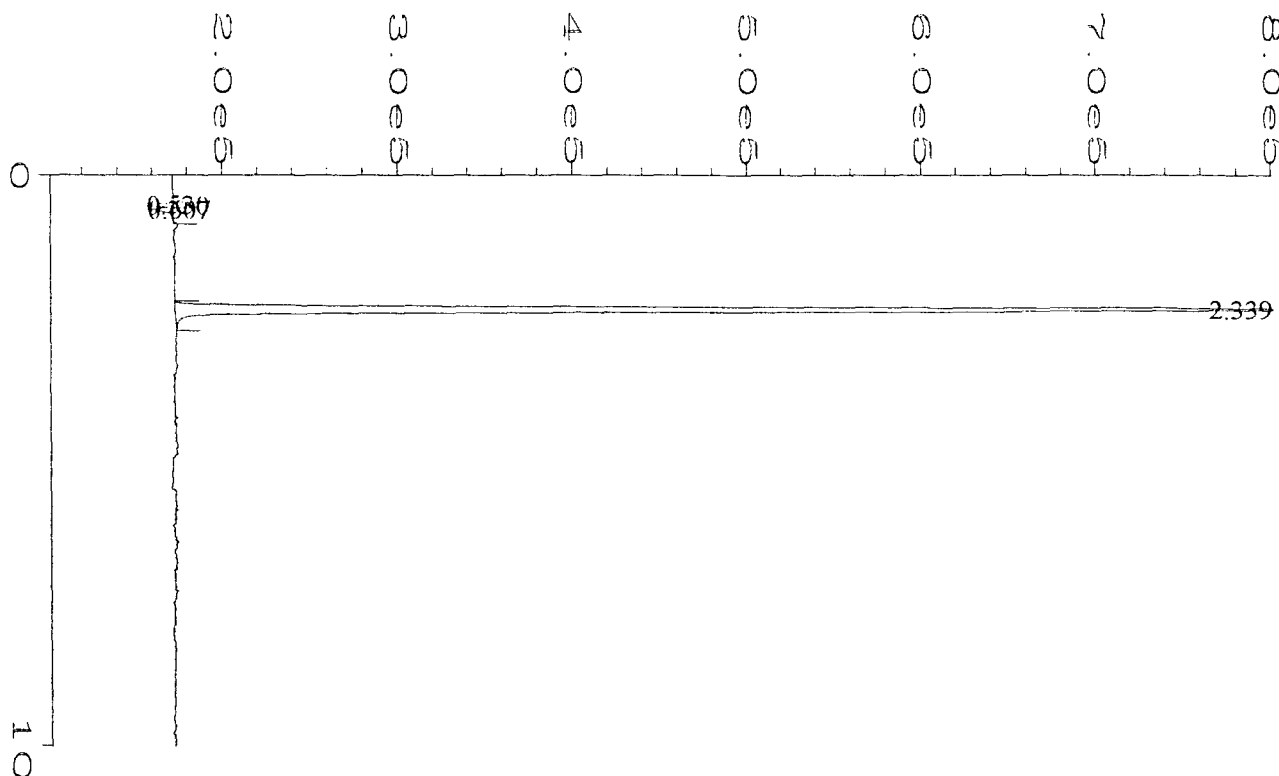
|                    |                      |                   |                |
|--------------------|----------------------|-------------------|----------------|
| File Name          | : A:\NV-F0895.D      | Page Number       | : 1            |
| Operator           | :                    | Vial Number       | :              |
| 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

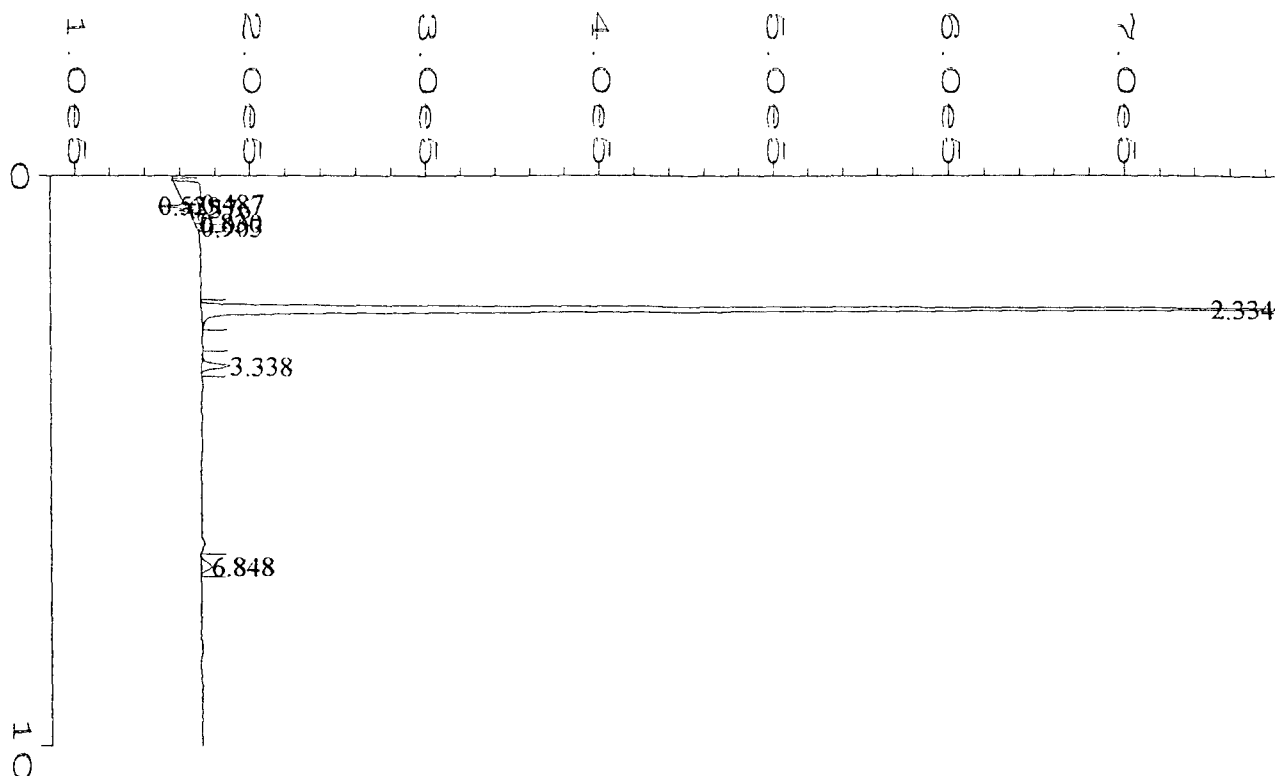
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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

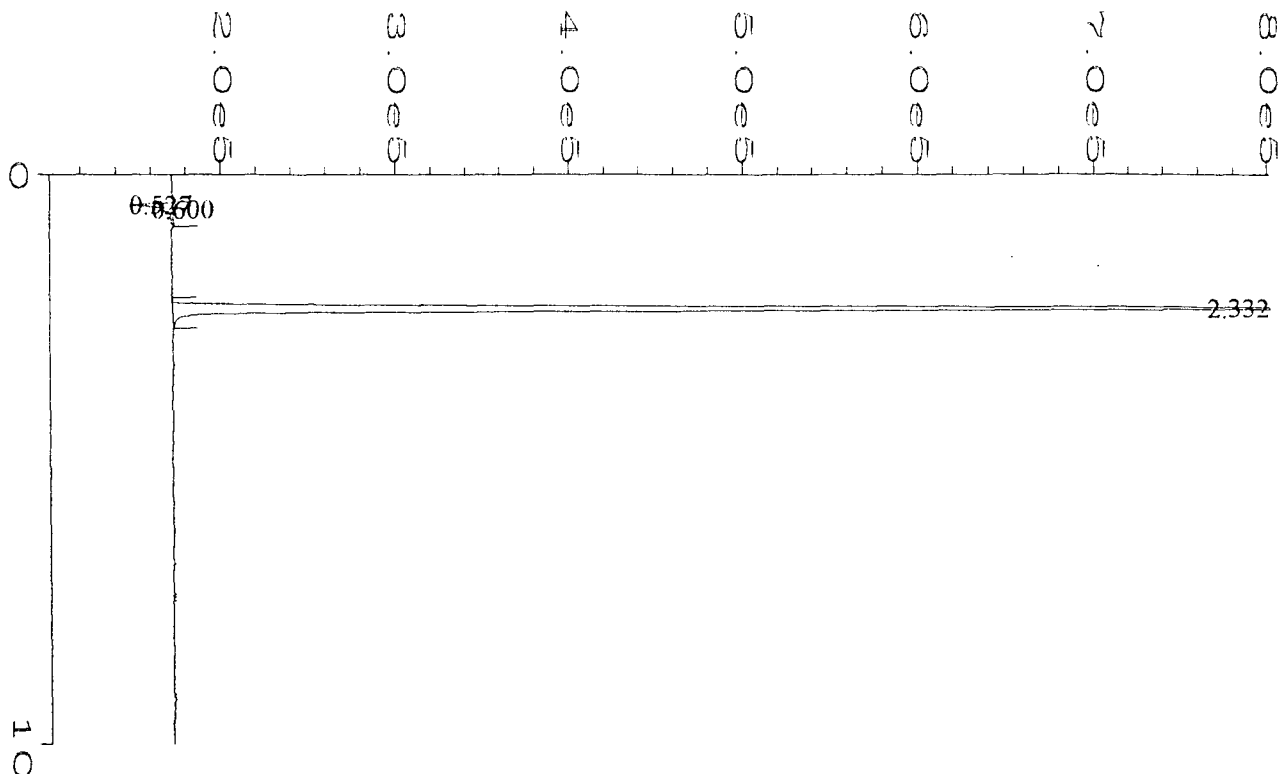
Data File Name : A:\NV-F0897.D  
 Operator :  
 Instrument : RECON GC  
 Sample Name : SG-17, PH-09  
 In Time Bar Code:  
 Acquired on : 09 Dec 93 03:55 PM  
 Report Created on: 21 Jan 94 03:06 PM  
 Last Recalib on : 21 Jan 94 02:32 PM  
 Multiplier : 1

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

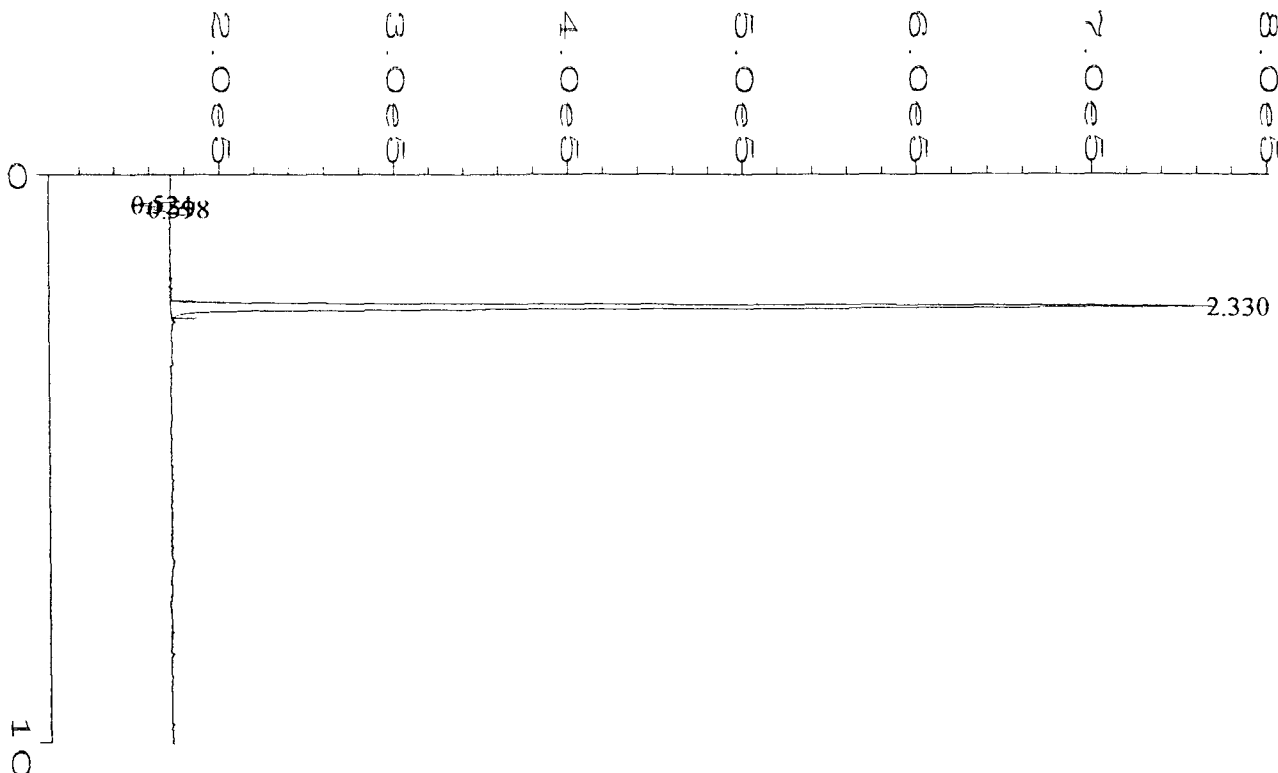
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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

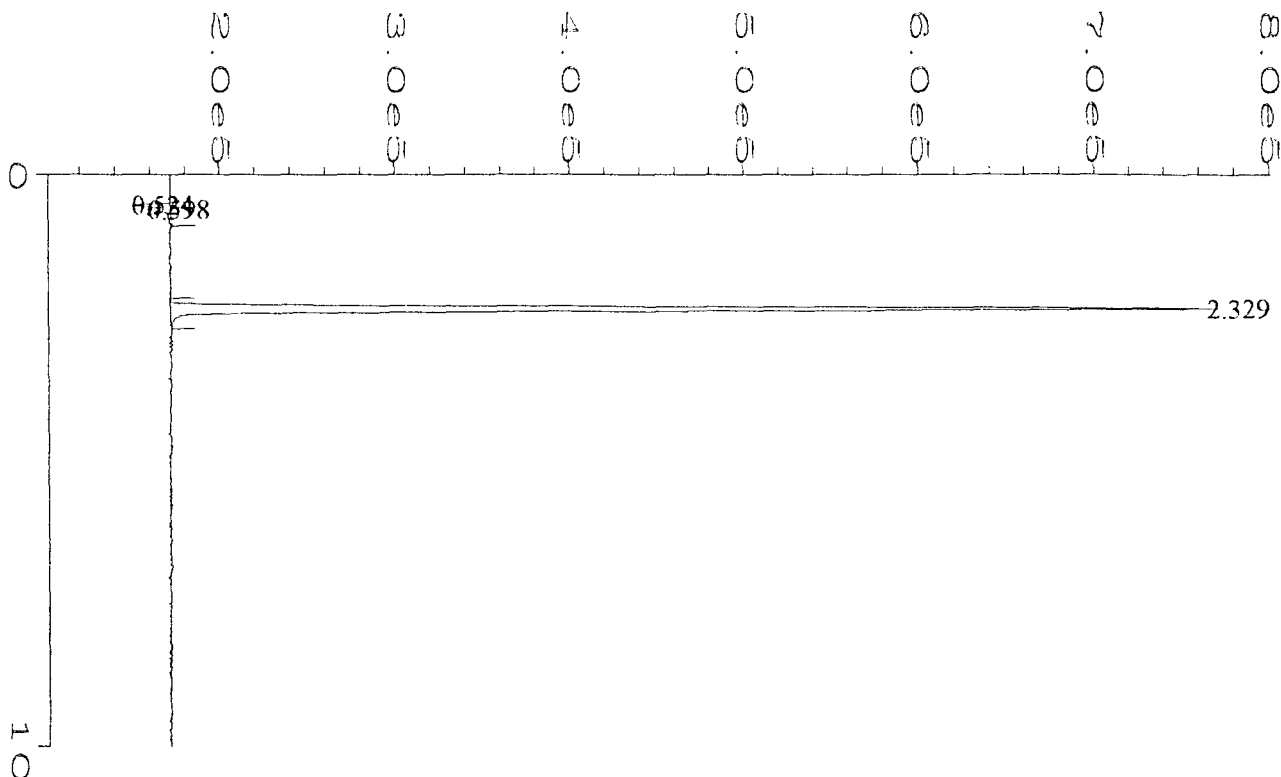
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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 * |

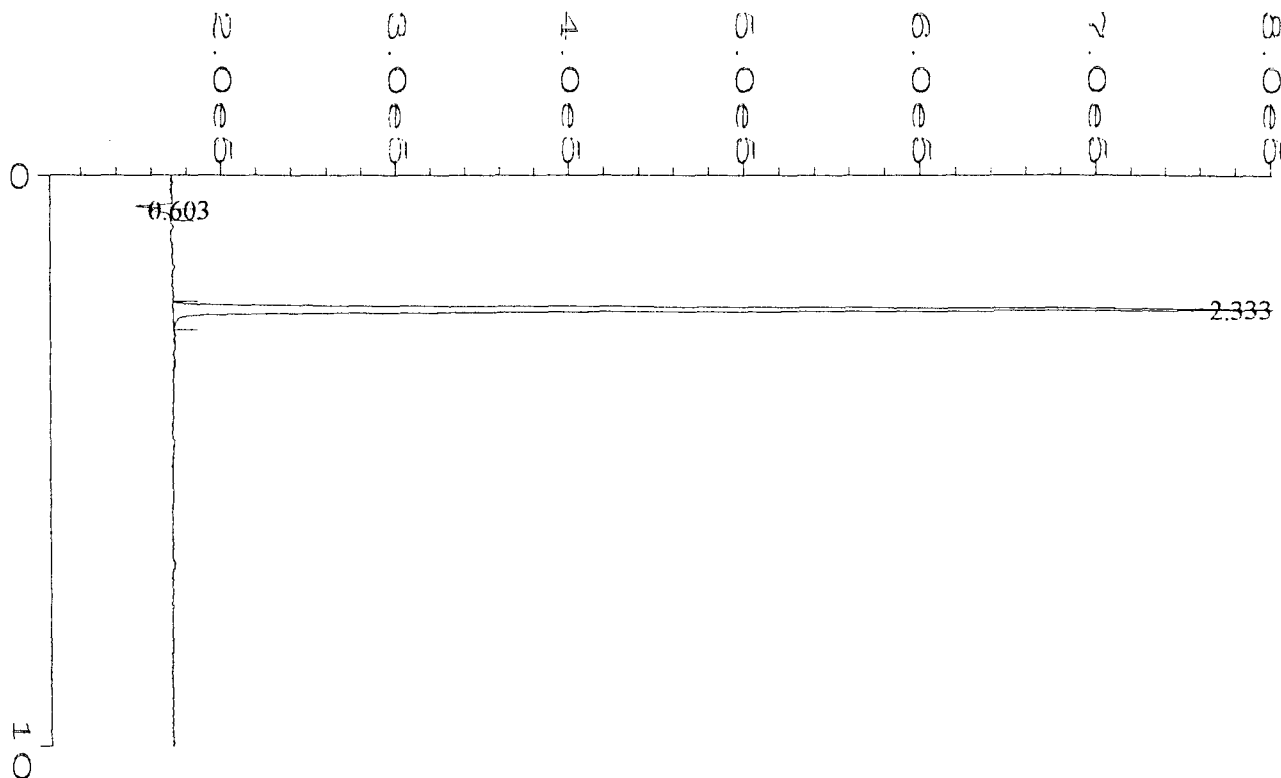
Time Reference Peak  
2

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

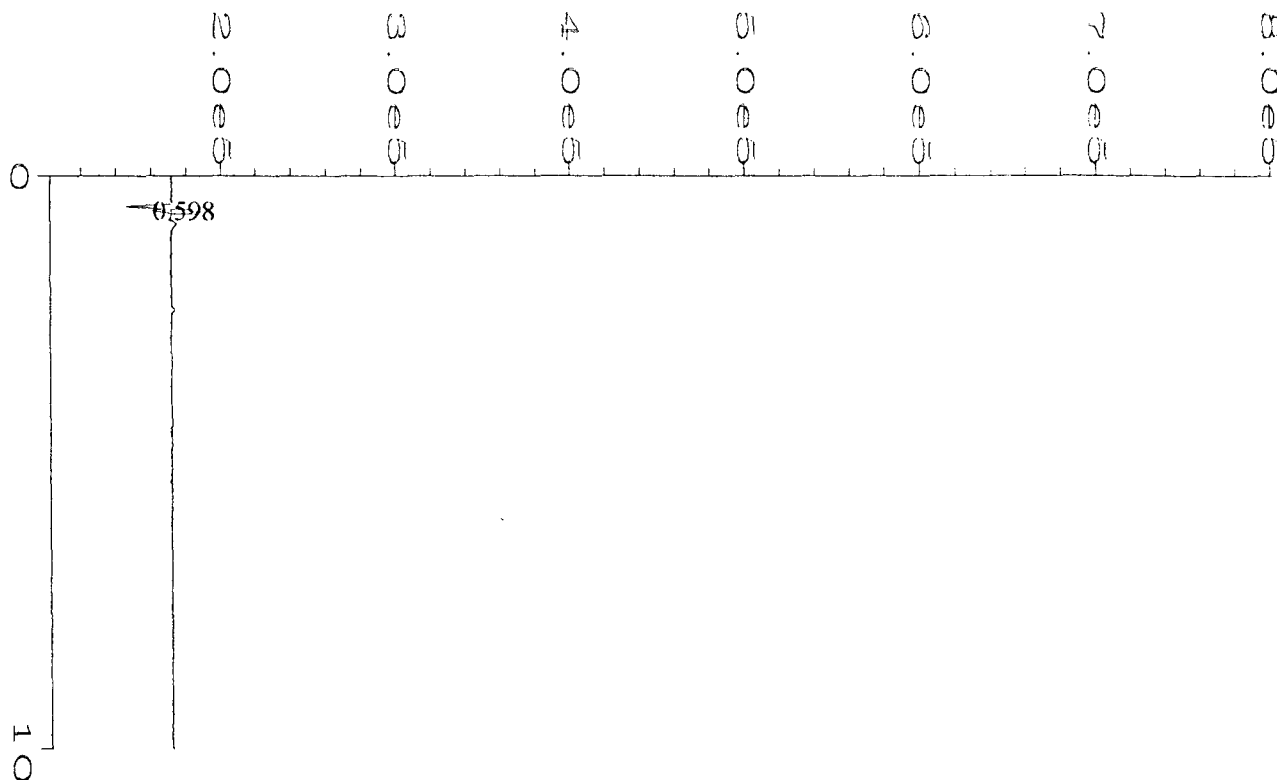
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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 * |

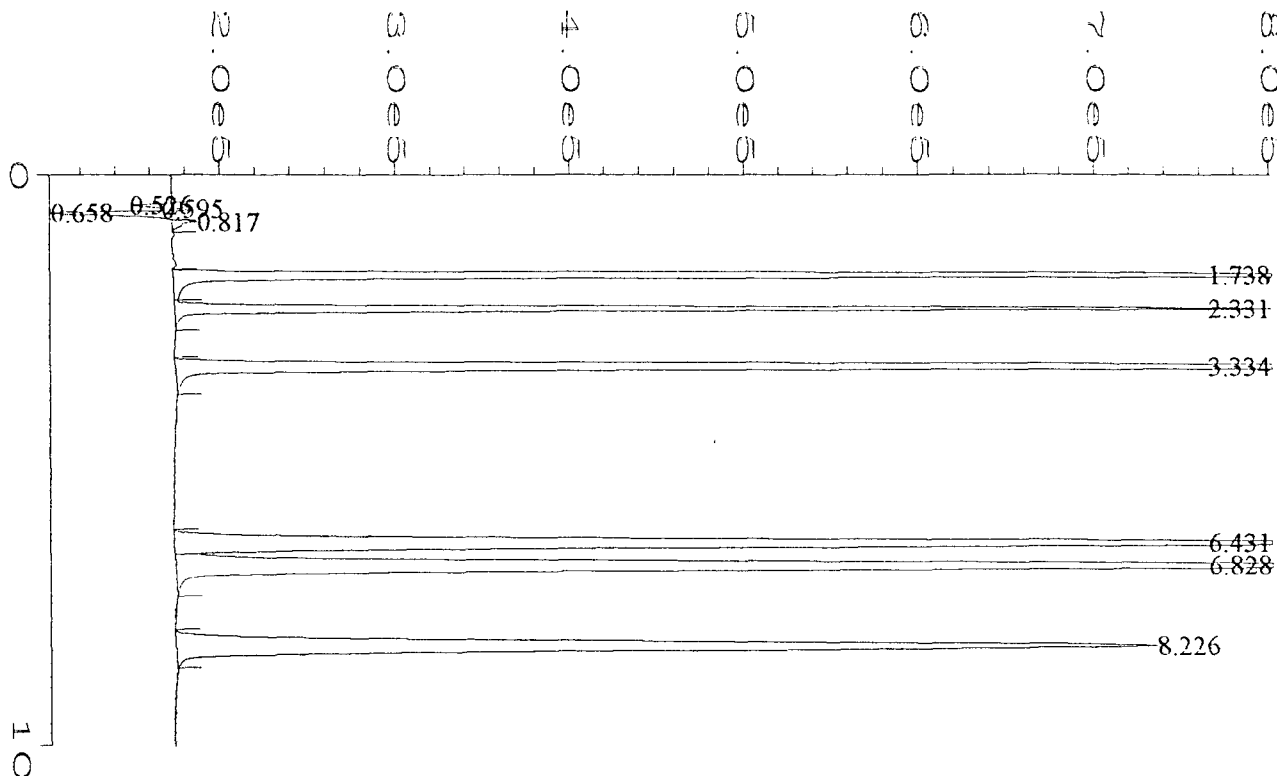
|                     |             |               |            |
|---------------------|-------------|---------------|------------|
| Time Reference Peak | Expected RT | Actual RT     | Difference |
| 2                   | 2.365       | * not found * |            |

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

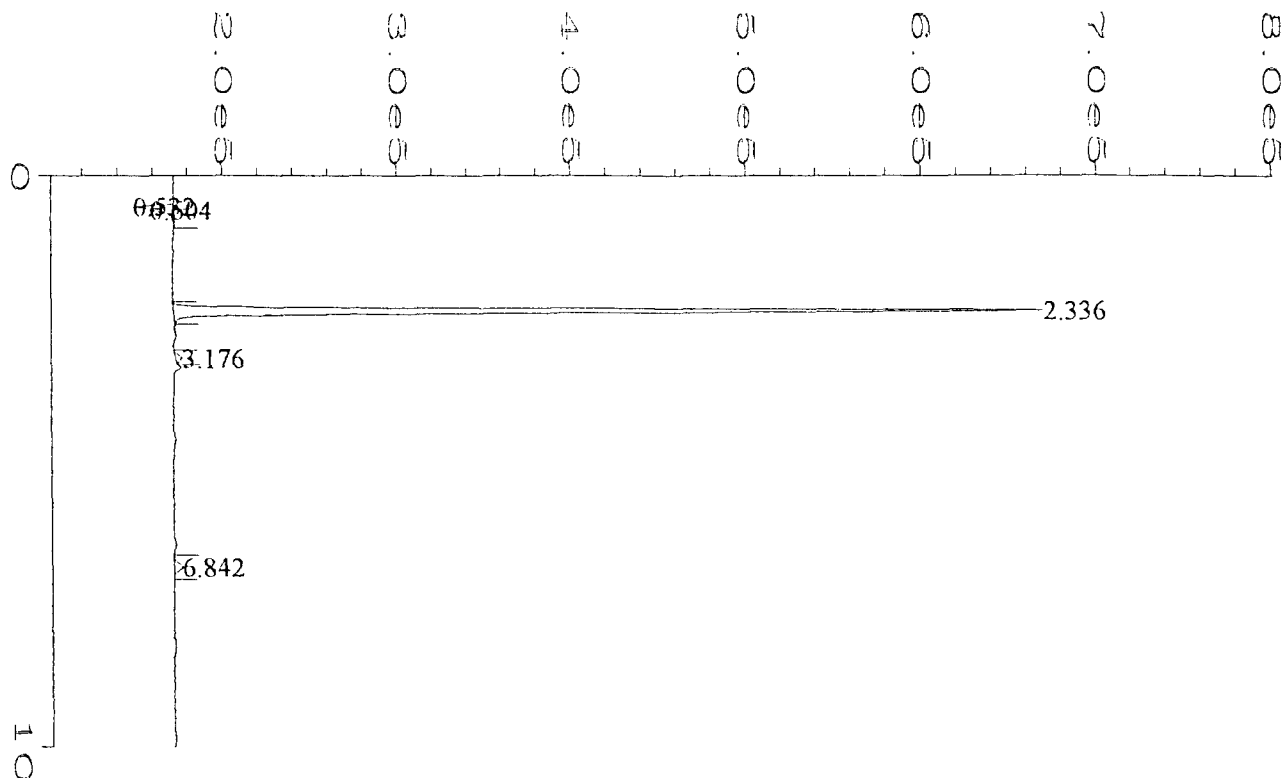
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 Operator :  
 Instrument : RECON GC  
 Sample Name : STD-1209-04  
 Run Time Bar Code:  
 Acquired on : 09 Dec 93 05:27 PM  
 Report Created on: 21 Jan 94 03:12 PM  
 Last Recalib on : 21 Jan 94 02:32 PM  
 Multiplier : 1

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

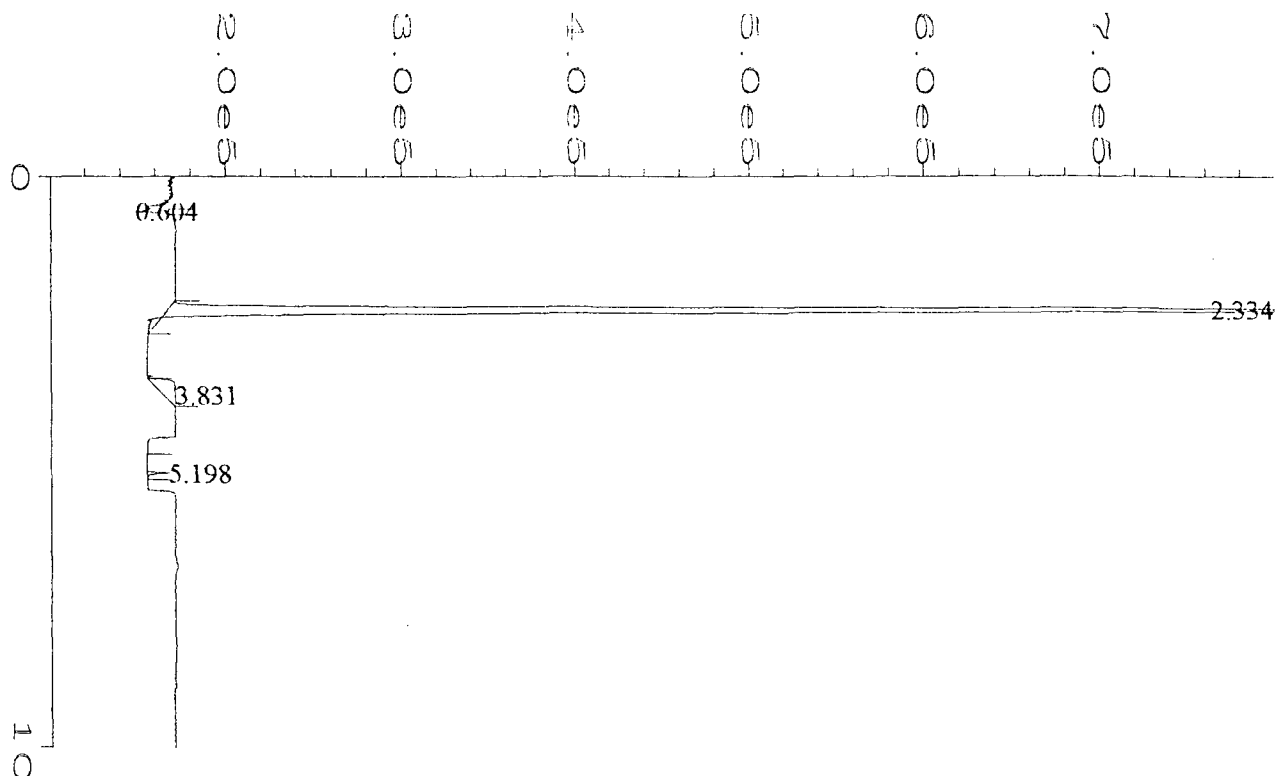
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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

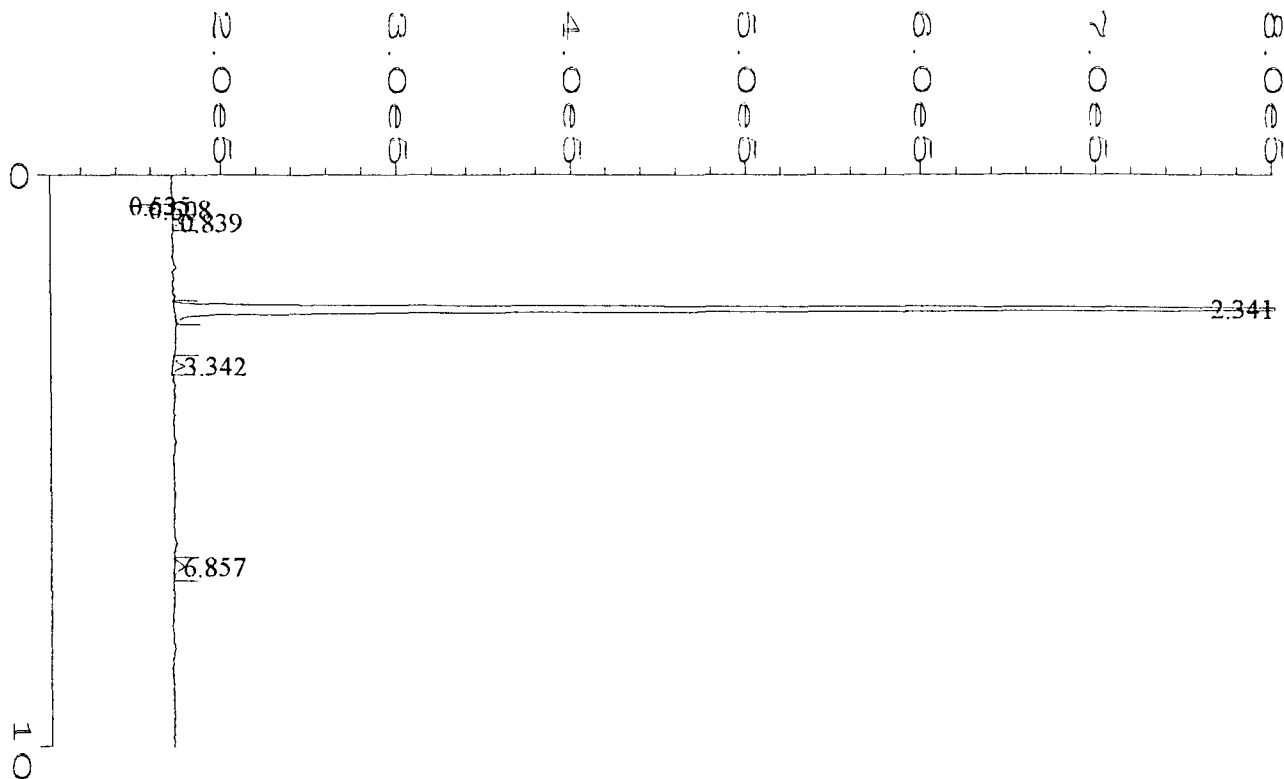
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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

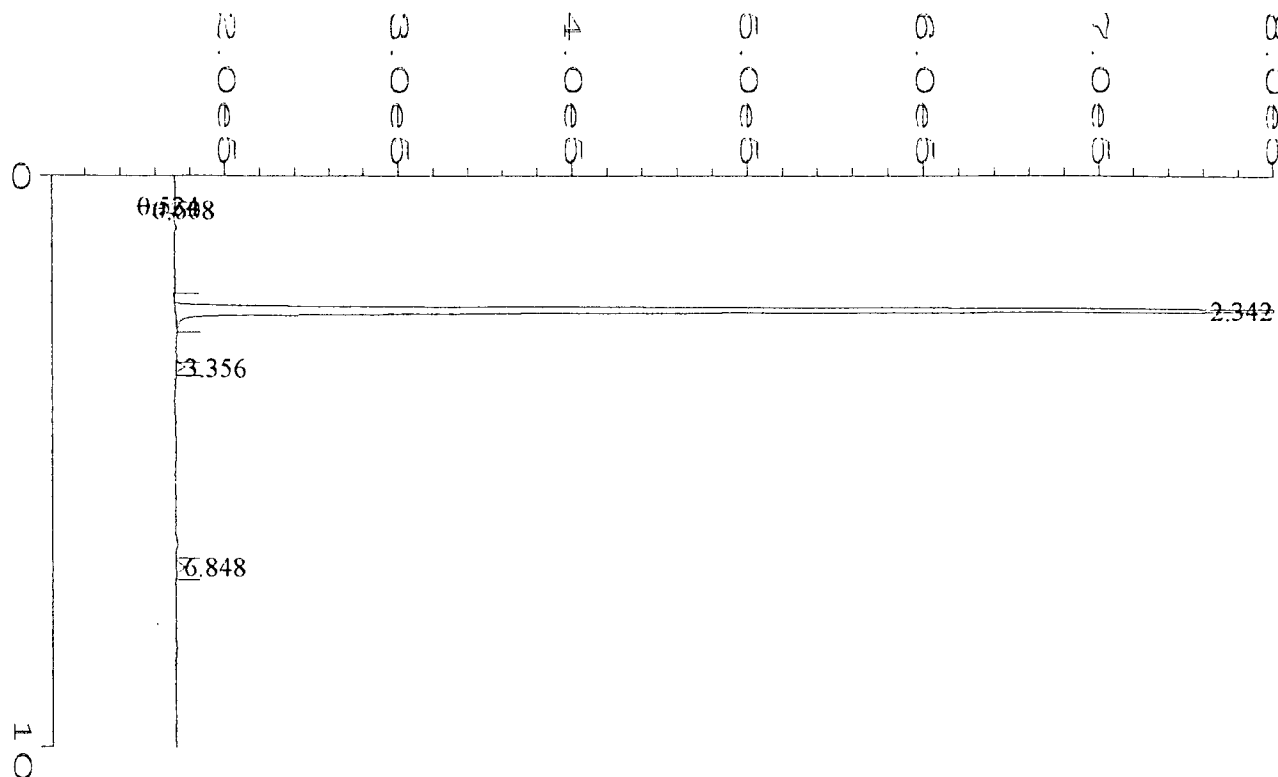
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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

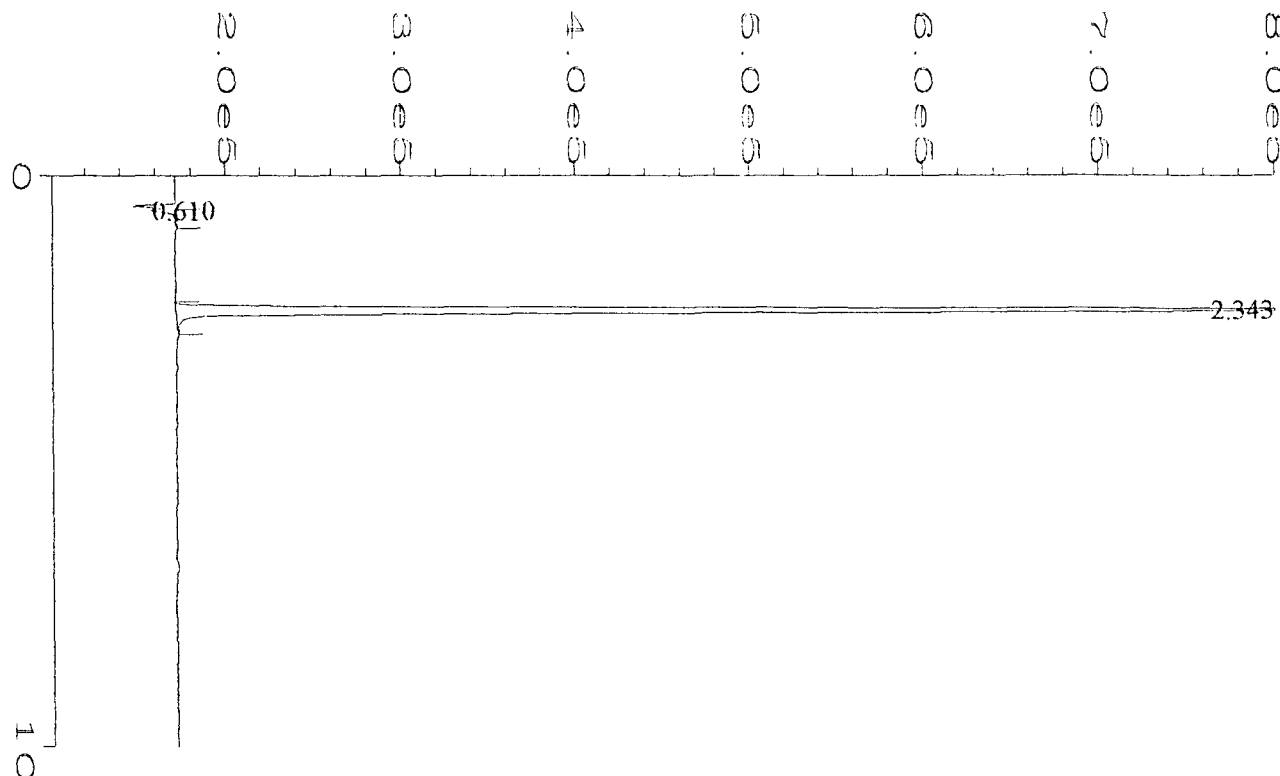
Actual RT

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

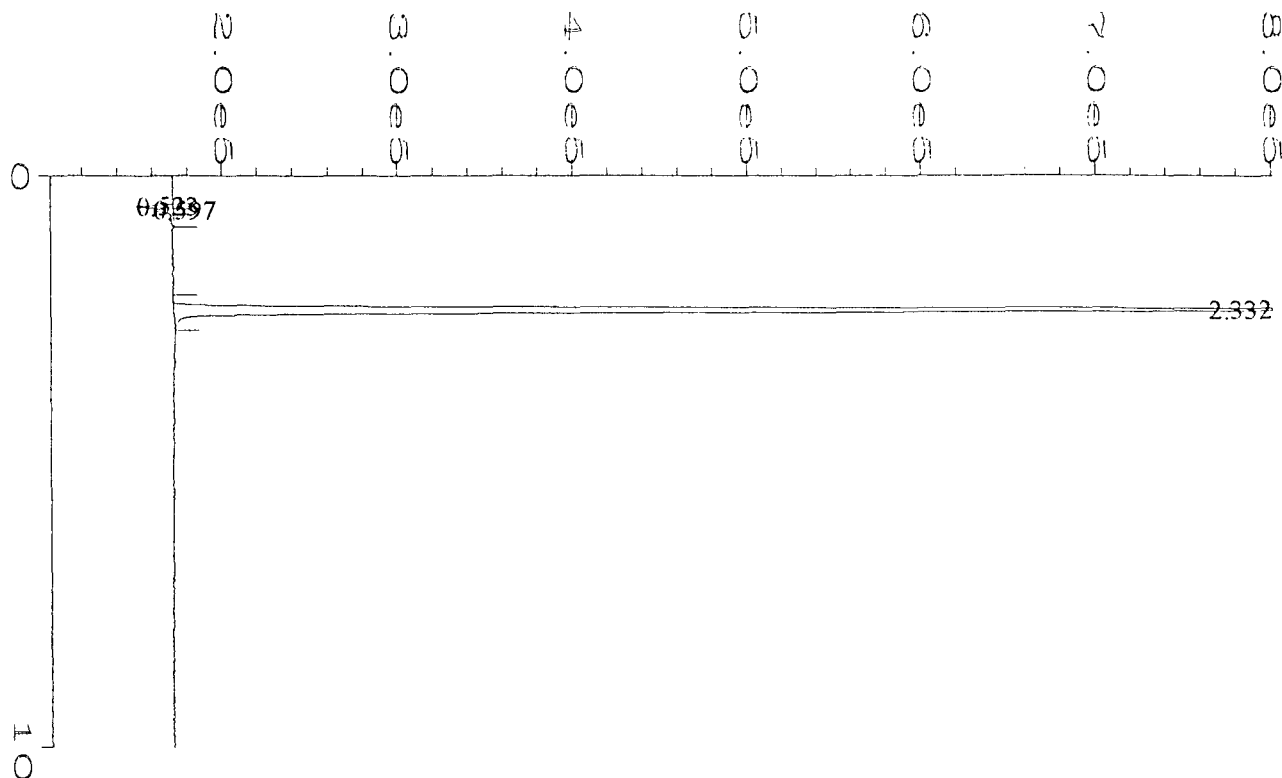
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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

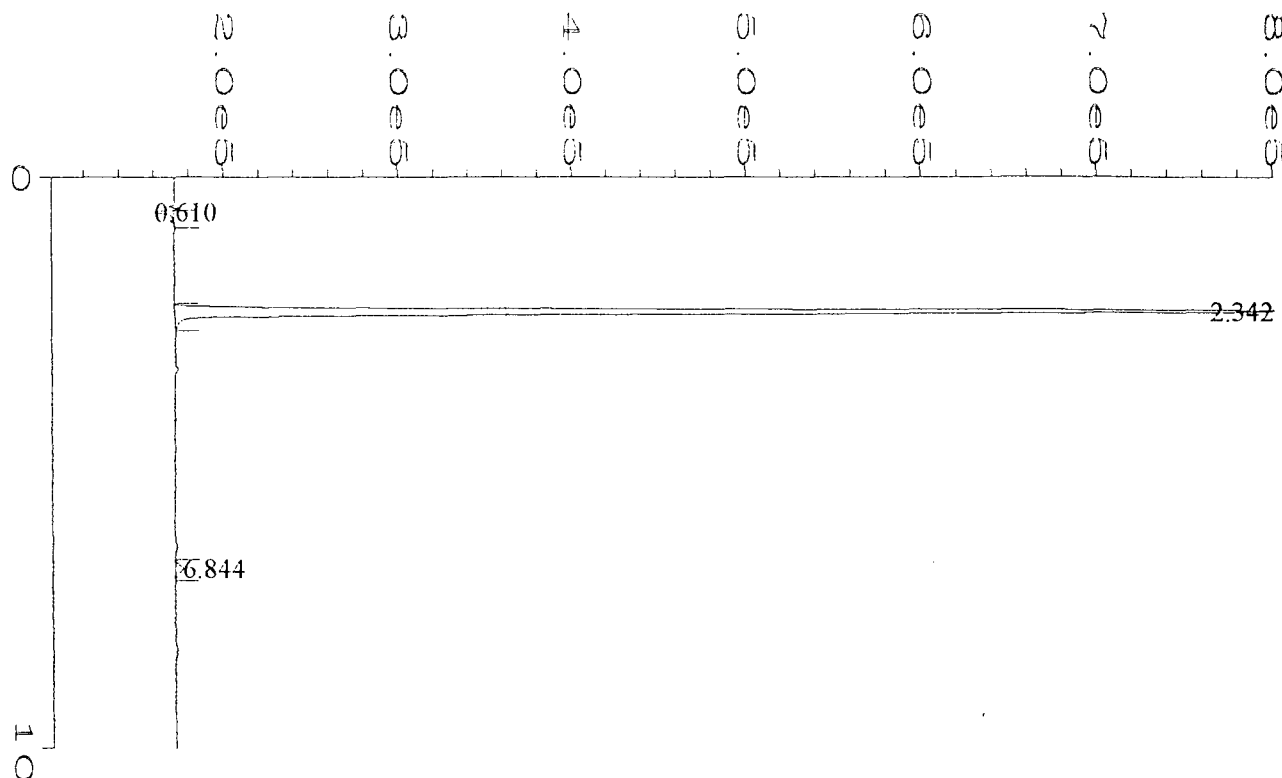
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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

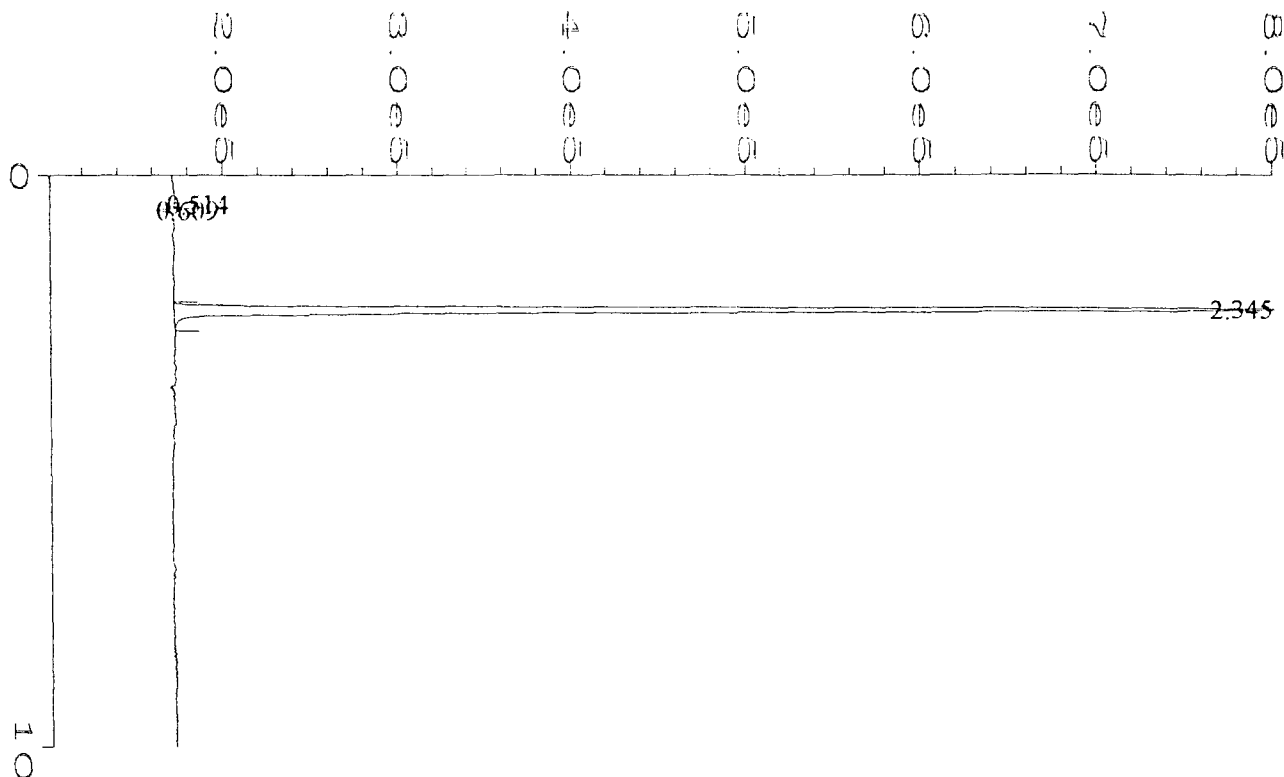
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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

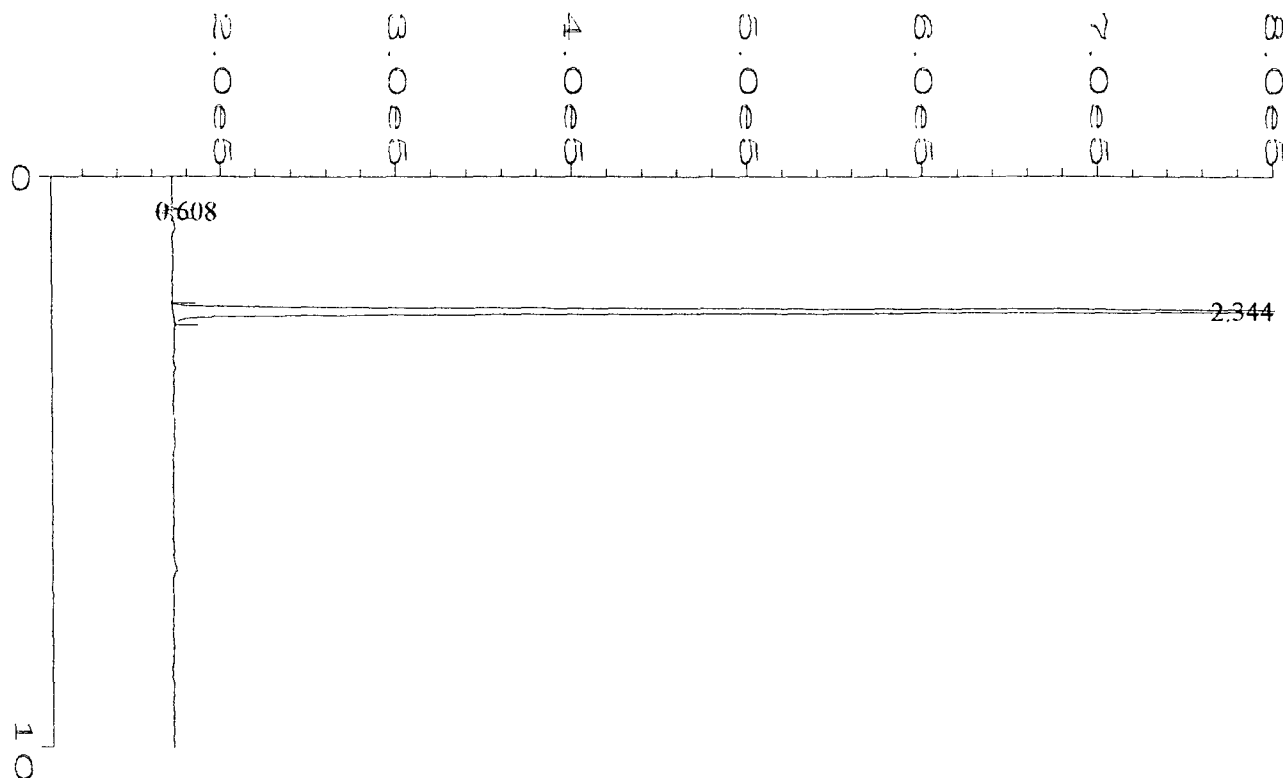
Actual RT

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

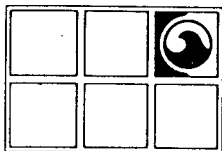
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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

2501 Yale Blvd. SE, Suite 204, Albuquerque, NM 87106  
Tel: (505) 242-3113 Fax: (505) 242-1103

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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## APPENDICES

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- B - Chromatography Field Analysis Work Sheets
- C - Sample Chromatograms

## 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,  $\alpha,\alpha,\alpha$ -trifluorotoluene ( $\alpha,\alpha,\alpha$ -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  $\alpha,\alpha,\alpha$ -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,  $\alpha,\alpha,\alpha$ -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  $\alpha,\alpha,\alpha$ -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) |         |              |            |          | Comments |
|             |                 |                | Benzene              | Toluene | Ethylbenzene | m&p-Xylene | o-Xylene | TVOC     |
| BLANK-01    | NA              | NA             | ND (1)               | ND (1)  | ND (1)       | ND (1)     | ND (1)   | 0        |
| BLANK-02    | NA              | NA             | ND (1)               | ND (1)  | ND (1)       | ND (1)     | ND (1)   | 0        |
| SG-01       | PH-01           | 3              | ND (1)               | ND (1)  | ND (1)       | ND (1)     | ND (1)   | 0        |
| SG-02       | PH-01           | 10             | 16                   | 4       | ND (1)       | ND (1)     | ND (1)   | 73       |
| SG-03       | PH-02           | 3              | ND (1)               | ND (1)  | ND (1)       | ND (1)     | ND (1)   | 1        |
| SG-04       | PH-02           | 8.5            | 121                  | 38      | 35           | ND (1)     | 6        | 1832     |
| SG-05       | PH-03           | 3              | ND (1)               | ND (1)  | ND (1)       | ND (1)     | ND (1)   | 0        |
| SG-06       | PH-03           | 8.5            | ND (1)               | 15      | 5            | ND (1)     | 5        | 226      |
| SG-07       | PH-04           | 3              | 1                    | ND (1)  | ND (1)       | ND (1)     | ND (1)   | 17       |
| SG-08       | PH-04           | 6              | ND (1)               | ND (1)  | ND (1)       | ND (1)     | ND (1)   | 2        |
| SG-09       | PH-05           | 3              | ND (1)               | ND (1)  | ND (1)       | ND (1)     | ND (1)   | 0        |
| SG-10       | PH-05           | 8              | ND (1)               | ND (1)  | ND (1)       | ND (1)     | ND (1)   | 1        |
| SG-10(D)    | PH-05           | 8              | ND (1)               | ND (1)  | ND (1)       | ND (1)     | ND (1)   | 1        |
| Blank-03    | NA              | NA             | ND (1)               | ND (1)  | ND (1)       | ND (1)     | ND (1)   | 0        |
| SG-11       | PH-06           | 3              | ND (1)               | ND (1)  | ND (1)       | ND (1)     | ND (1)   | 0        |
| SG-12       | PH-06           | 7.5            | ND (1)               | ND (1)  | ND (1)       | ND (1)     | ND (1)   | 3        |
| SG-13       | PH-07           | 3              | ND (1)               | ND (1)  | ND (1)       | ND (1)     | ND (1)   | 1        |
| SG-14       | PH-07           | 9              | ND (1)               | ND (1)  | ND (1)       | ND (1)     | ND (1)   | 1        |
| SG-15       | PH-08           | 3              | ND (1)               | ND (1)  | ND (1)       | ND (1)     | ND (1)   | 0        |
| SG-16       | PH-08           | 8              | ND (1)               | ND (1)  | ND (1)       | ND (1)     | ND (1)   | 0        |
| SG-17       | PH-09           | 3              | ND (1)               | 1       | ND (1)       | ND (1)     | ND (1)   | 2        |
| SG-18       | PH-09           | 10             | ND (1)               | ND (1)  | ND (1)       | ND (1)     | ND (1)   | 0        |
| SG-19       | PH-10           | 10             | ND (1)               | ND (1)  | ND (1)       | ND (1)     | ND (1)   | 0        |
| SG-20       | PH-10           | 10             | ND (1)               | ND (1)  | ND (1)       | ND (1)     | ND (1)   | 0        |
| SG-20 (D)   | PH-10           | 10             | ND (1)               | ND (1)  | ND (1)       | ND (1)     | ND (1)   | 0        |
| Blank-04    | NA              | NA             | ND (1)               | ND (1)  | ND (1)       | ND (1)     | ND (1)   | 0        |

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<br>I.D. | Probe<br>Hole | Depth<br>(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<br>I.D. | Probe<br>Hole | Depth<br>(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<br>I.D. | Probe<br>Hole | Depth<br>(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<br>I.D. | Probe<br>Hole      | Depth<br>(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        |
| SG-74          | PH-37              | 9               | 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

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

| Sample<br>I.D. | Probe<br>Hole | Depth<br>(feet) | Concentration (µg/L) |         |              |            |          | TVOC | Comments               |
|----------------|---------------|-----------------|----------------------|---------|--------------|------------|----------|------|------------------------|
|                |               |                 | Benzene              | Toluene | Ethylbenzene | m&p-Xylene | o-Xylene |      |                        |
| 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

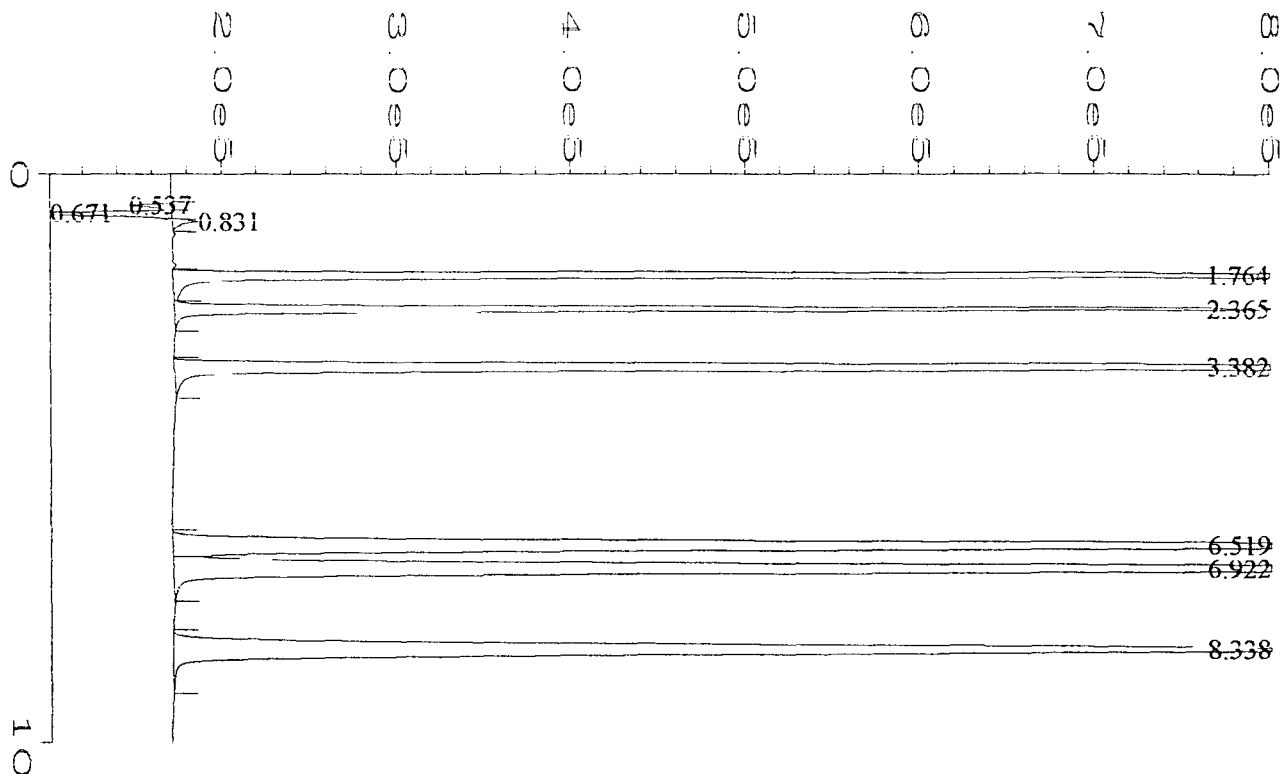
| Sample I.D. | Probe Hole Number | Depth (feet) | Analysis Time | Injection Vol. (µl) | Multiplier | VAC in. Hg | Comments                |
|-------------|-------------------|--------------|---------------|---------------------|------------|------------|-------------------------|
| Blank-15    | NA                | 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-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

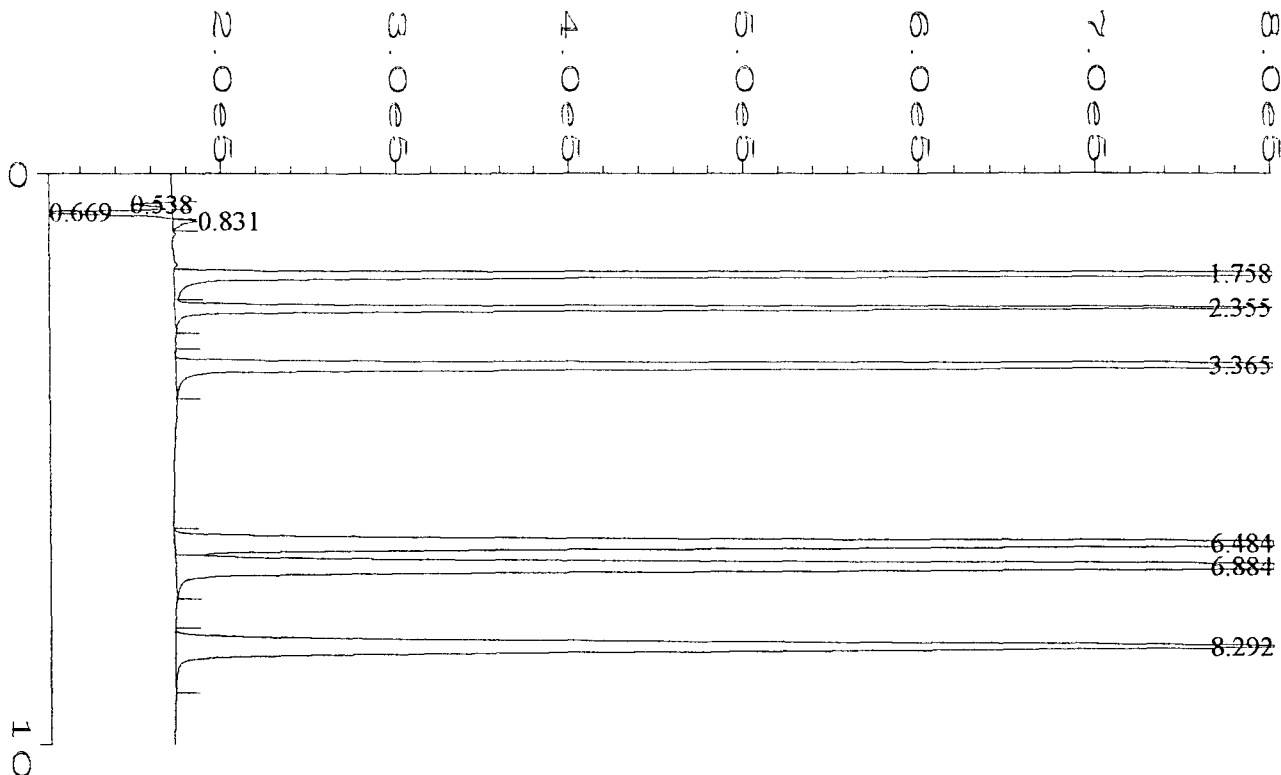
Sample ISTD Information

No Sample ISTD Amounts

Multilevel Information

Fit: Linear  
Origin: Force

=====



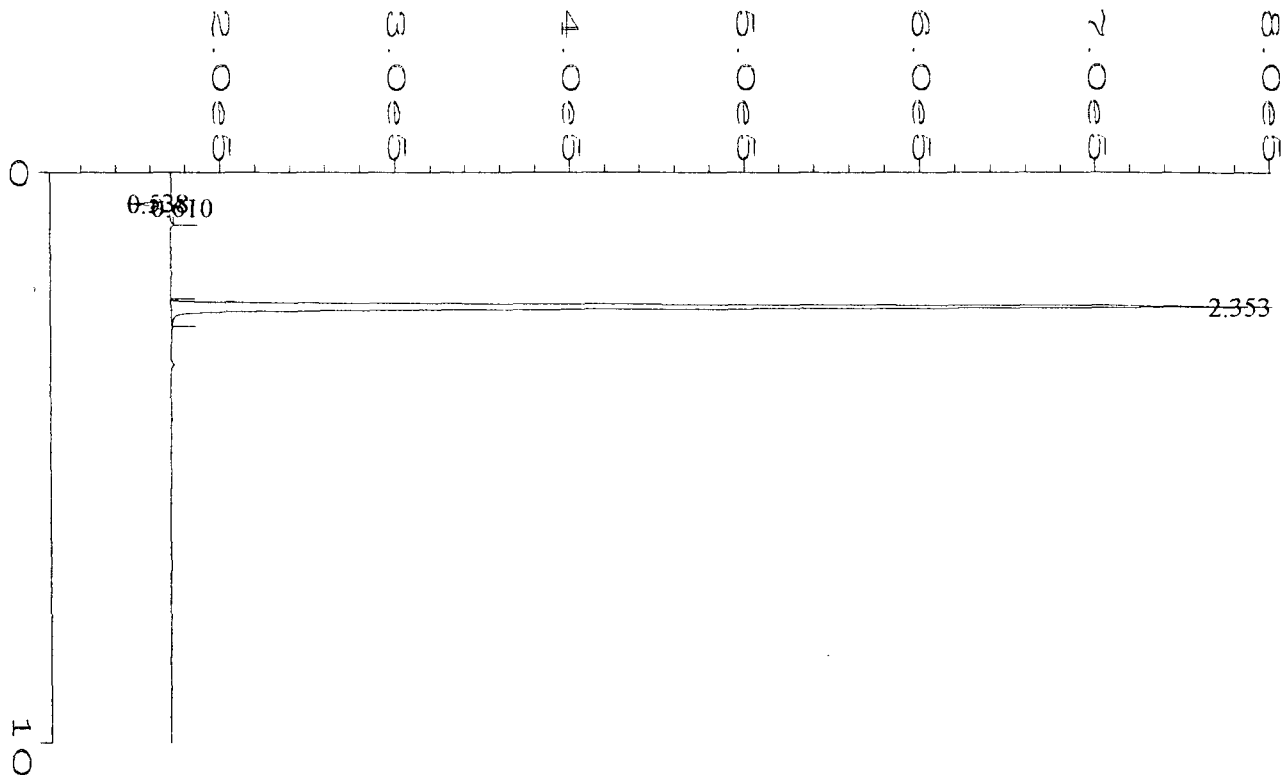
### External Standard Report

|                    |                      |                   |                |
|--------------------|----------------------|-------------------|----------------|
| 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

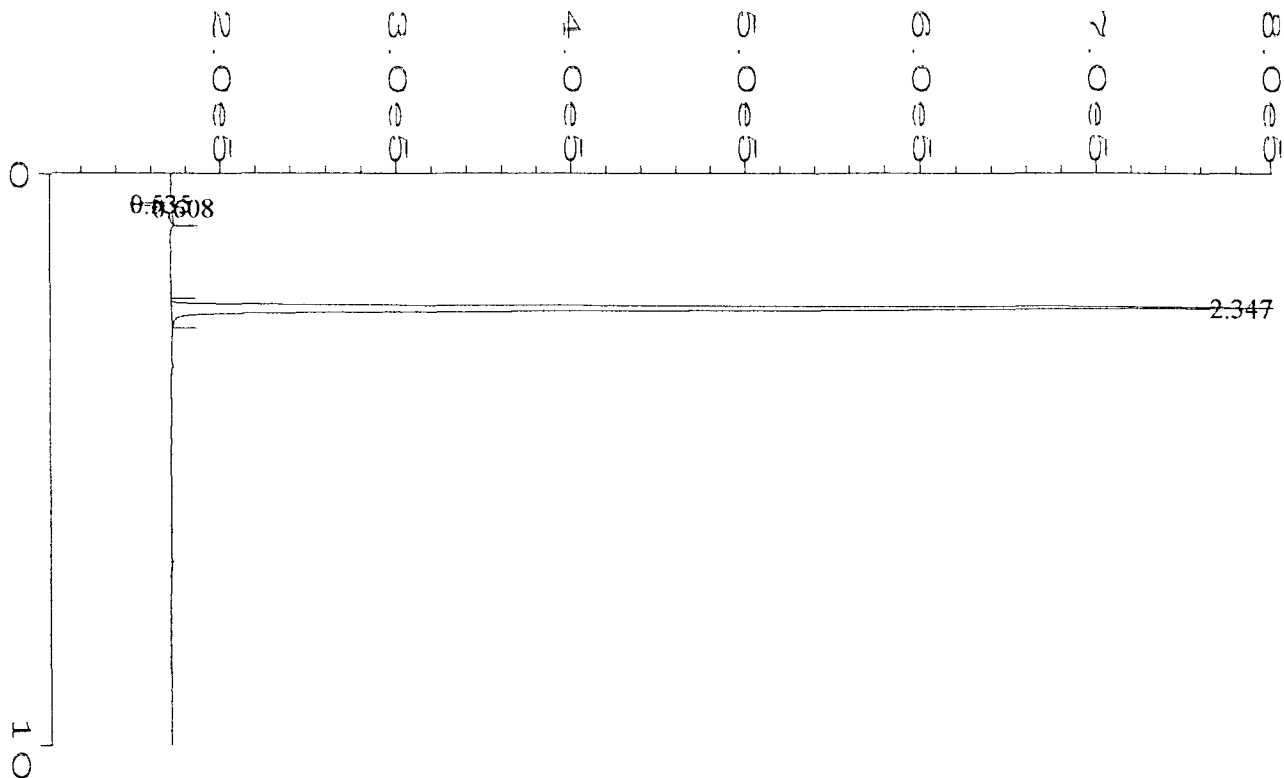
|                   |                      |                   |                |
|-------------------|----------------------|-------------------|----------------|
| File Name         | : A:\NV-F0876.D      | Page Number       | : 1            |
| Operator          | :                    | Vial Number       | :              |
| 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

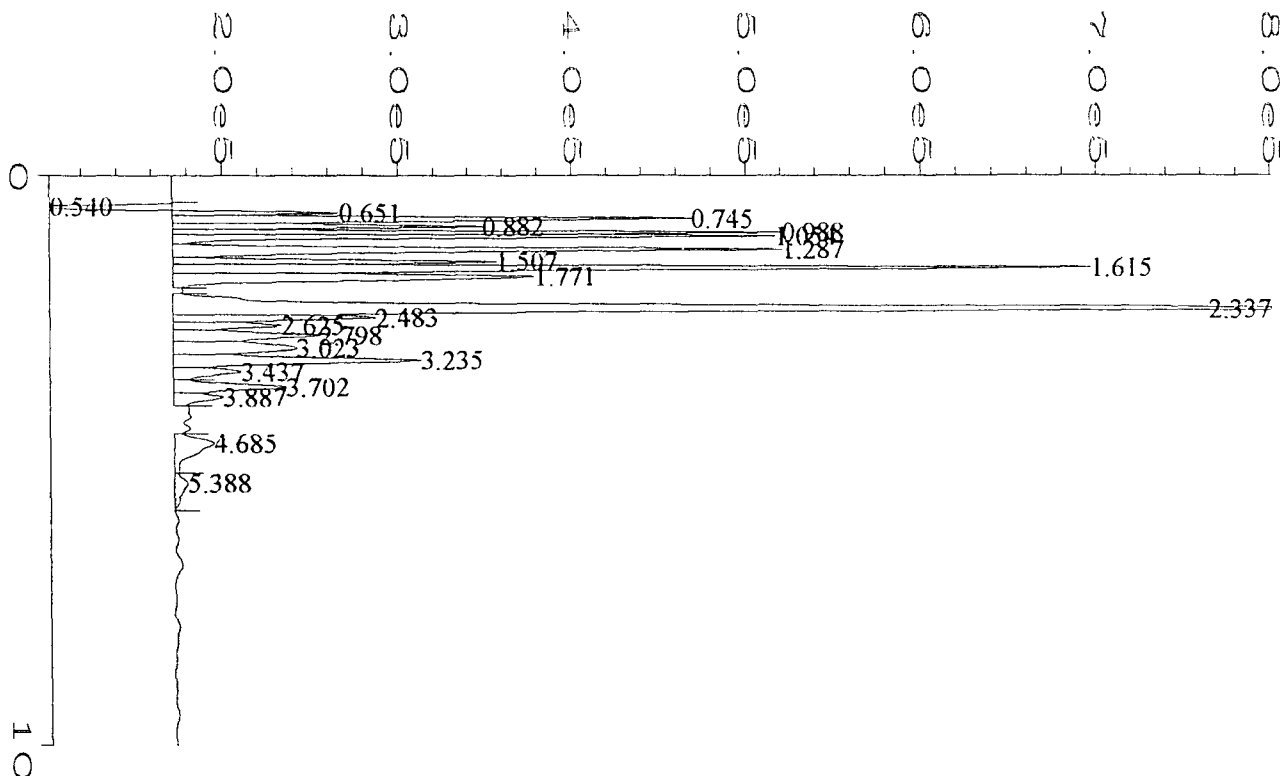
Actual RT

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 * |

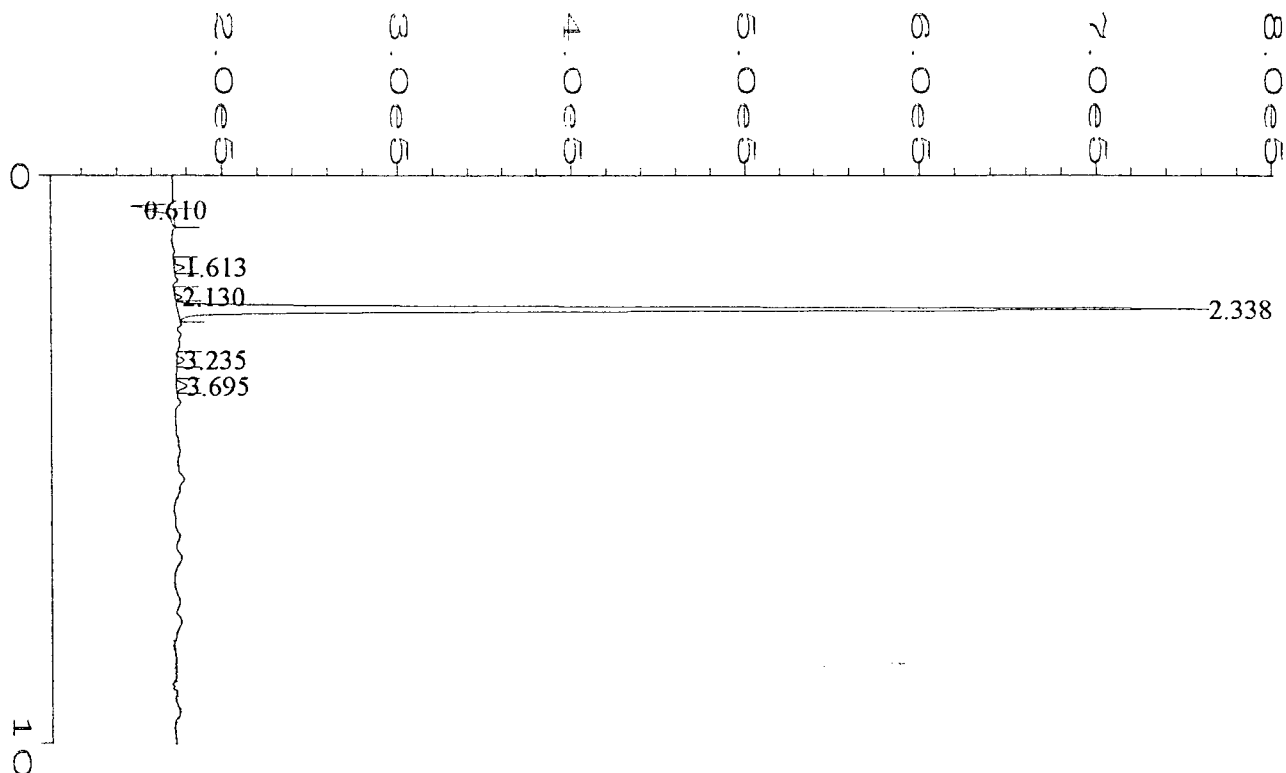
Data File Name : A:\NV-F0878.D  
Operator :  
Instrument : RECON GC  
Sample Name : SG-02, PH-01  
Run Time Bar Code:  
Acquired on : 09 Dec 93 10:01 AM  
Report Created on: 21 Jan 94 02:42 PM  
Last Recalib on : 21 Jan 94 02:32 PM  
Multiplier : 1

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

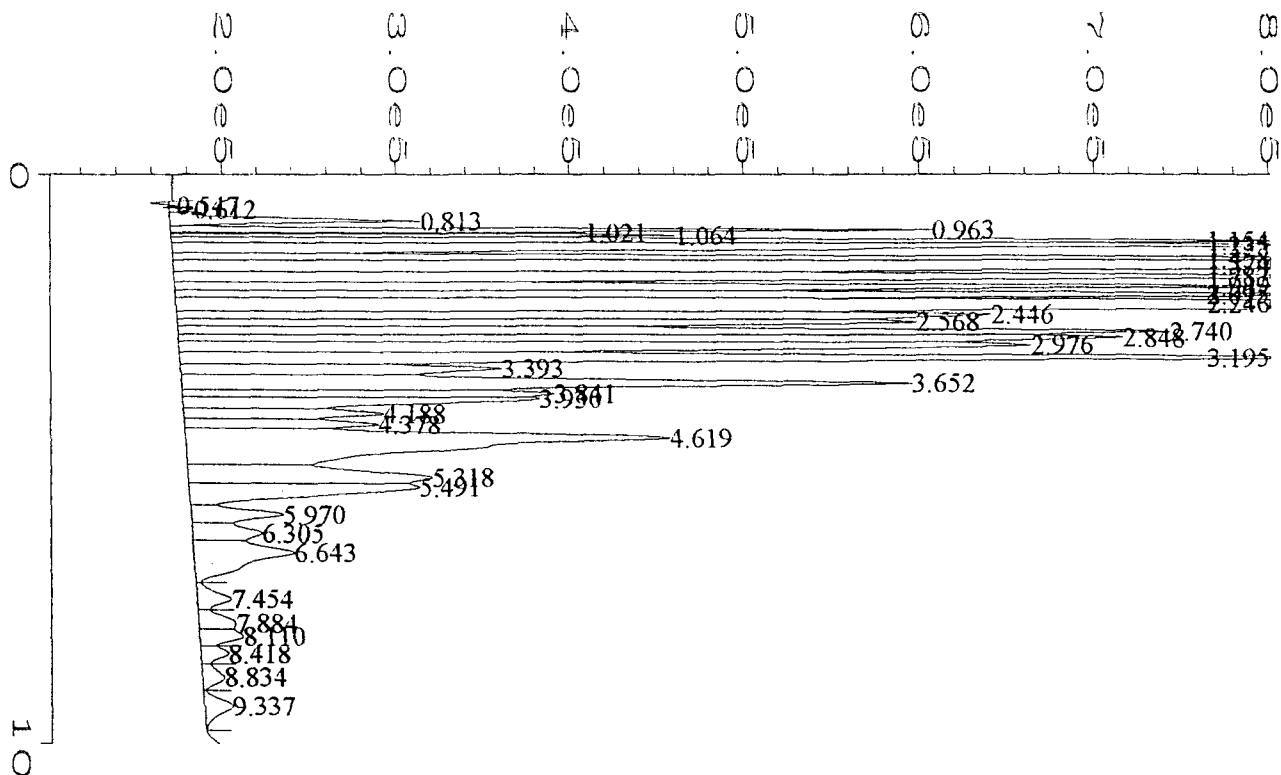
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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

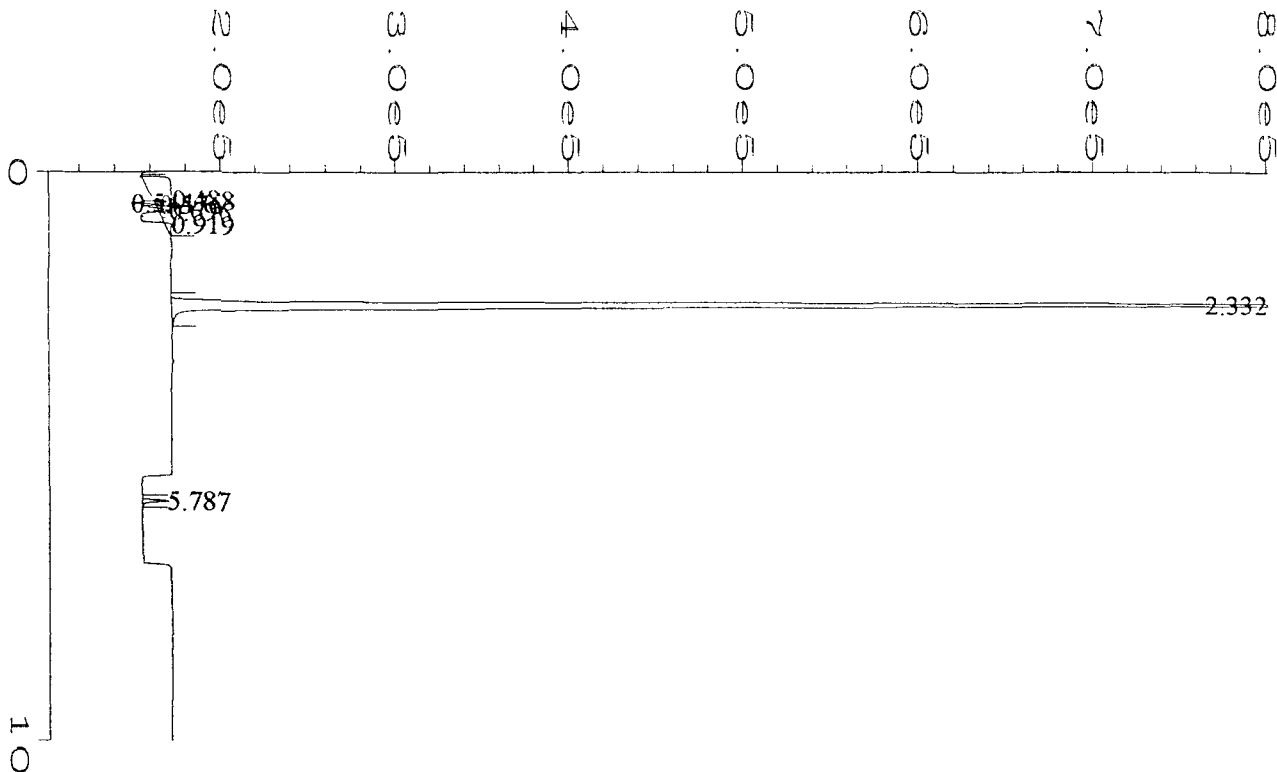
Page Number : 2  
Vial Number :  
Injection Number :  
Sequence Line :  
Instrument Method: BLOOMREF.MTH  
Analysis Method : BLOOMREF.MTH  
Sample Amount : 0  
ISTD Amount :

|       |                |       |          |                  |
|-------|----------------|-------|----------|------------------|
| 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

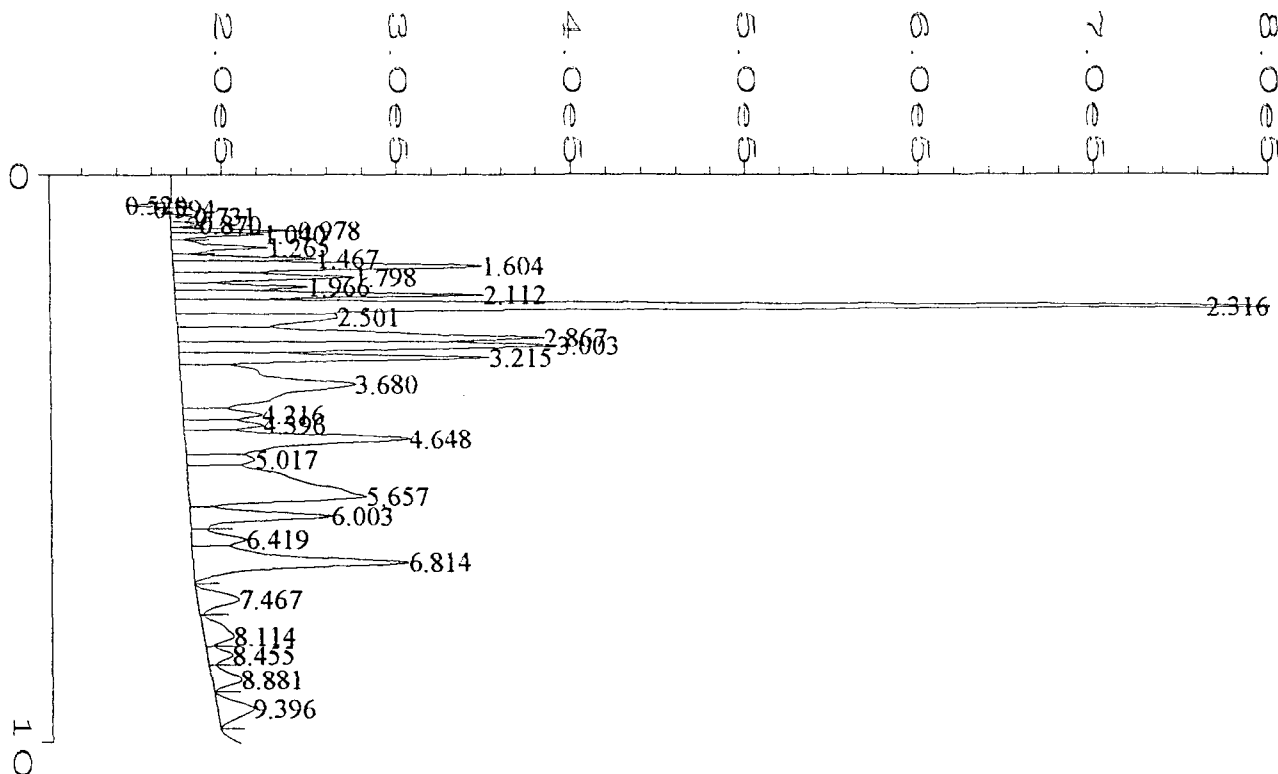
Data File Name : A:\NV-F0882.D  
 Operator :  
 Instrument : RECON GC  
 Sample Name : SG-05, PH-03  
 Run Time Bar Code:  
 Acquired on : 09 Dec 93 11:52 AM  
 Report Created on: 21 Jan 94 02:48 PM  
 Last Recalib on : 21 Jan 94 02:32 PM  
 Multiplier : 1

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

=====





# 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

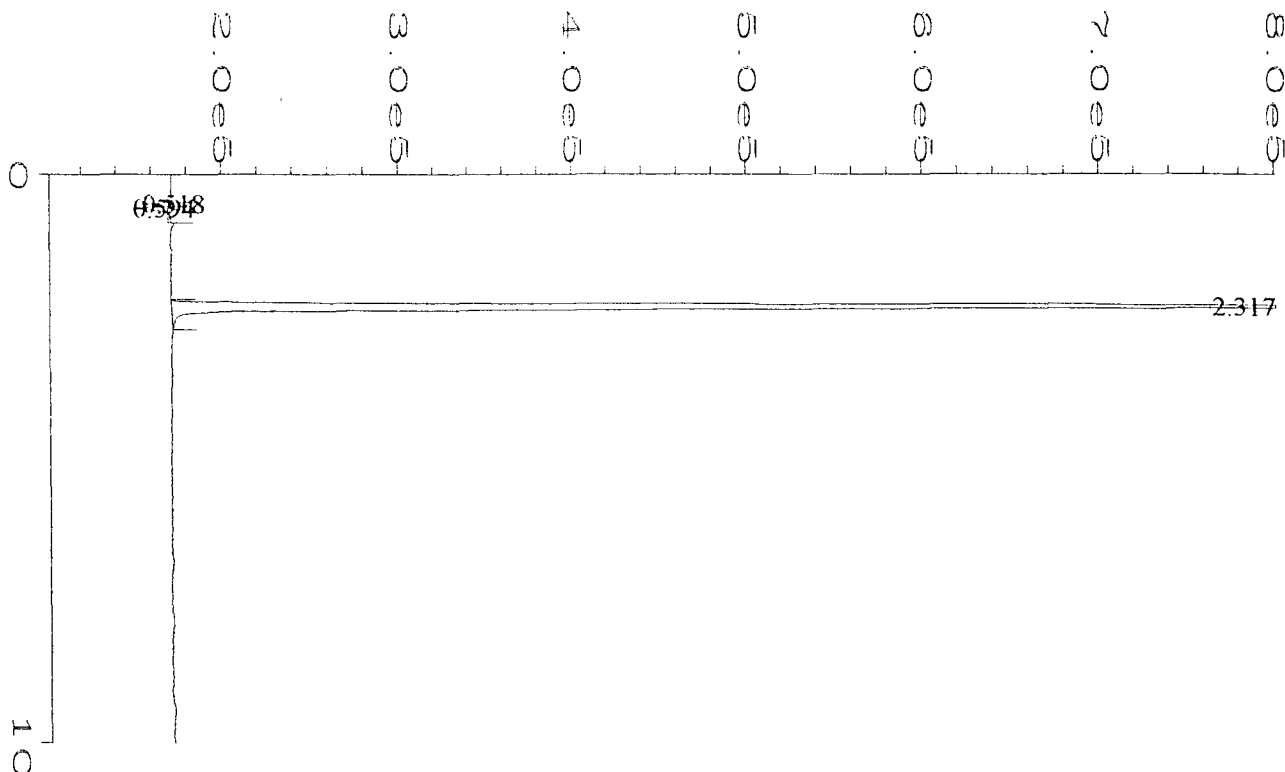
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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

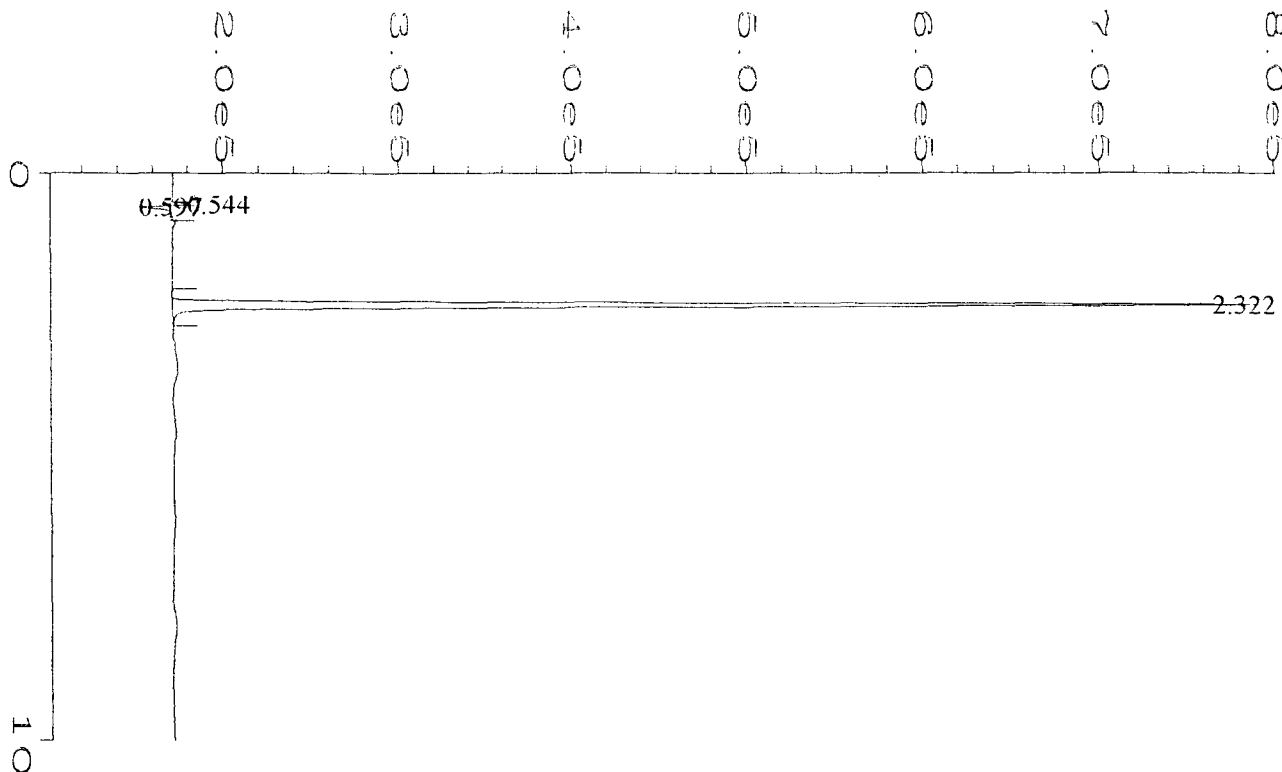
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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

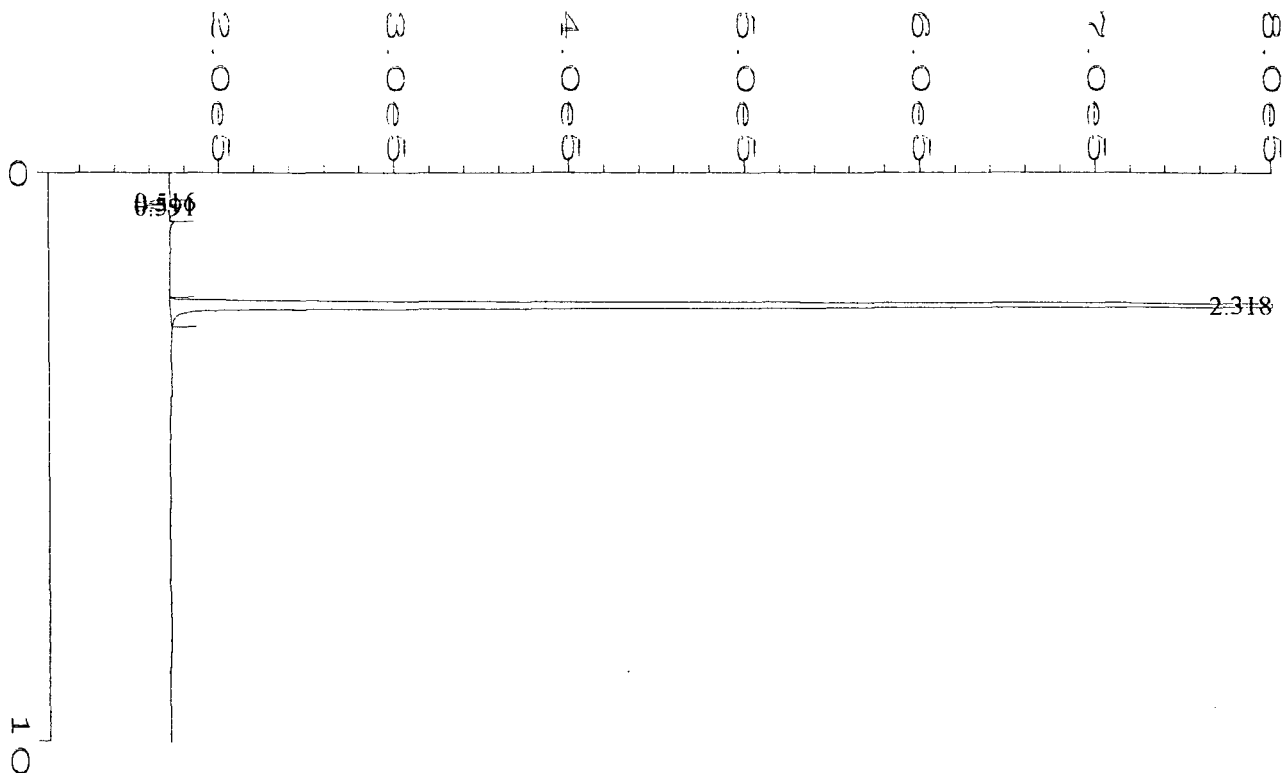
Actual RT

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

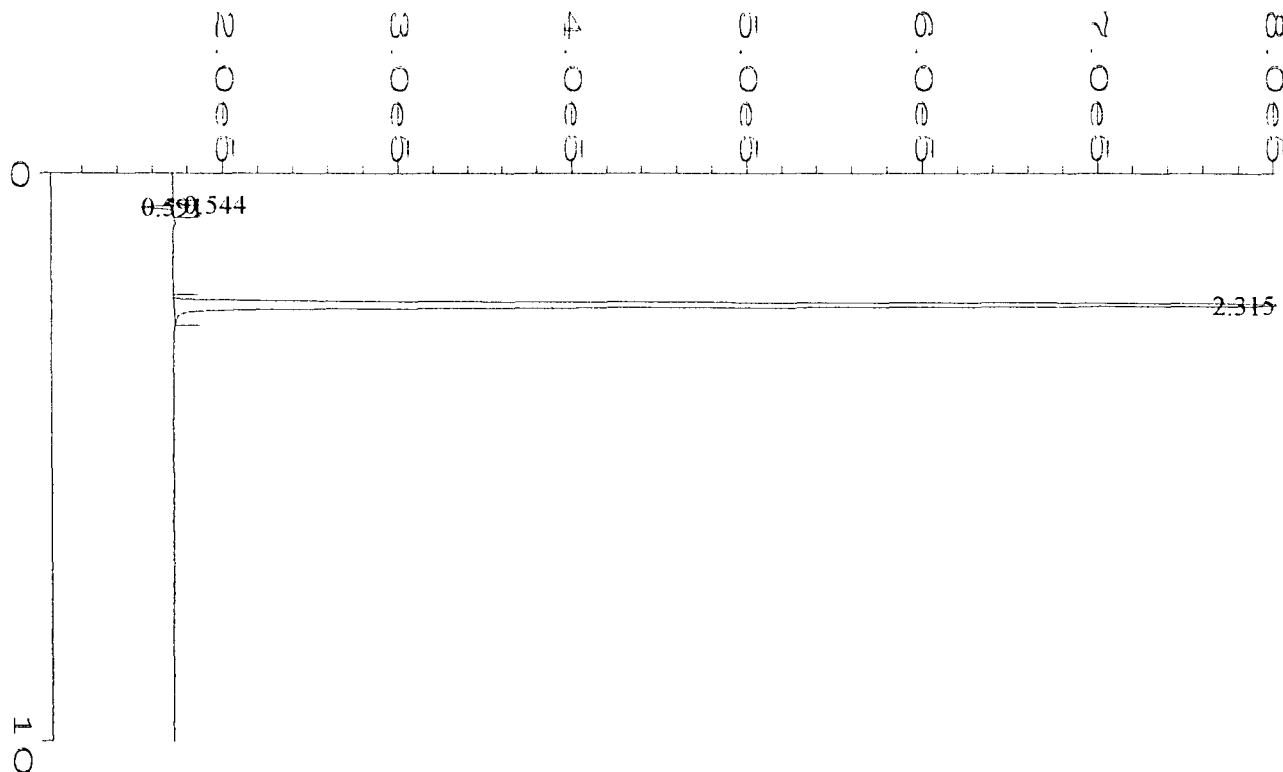
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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

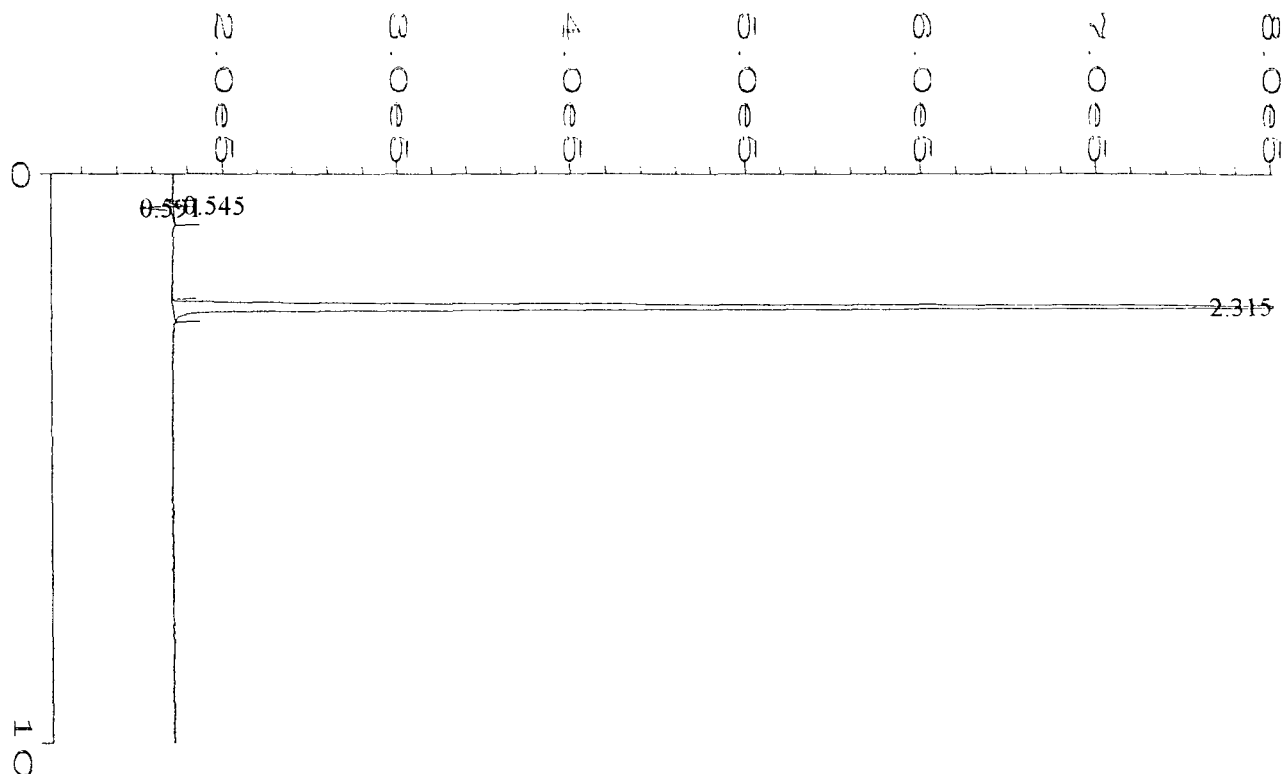
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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

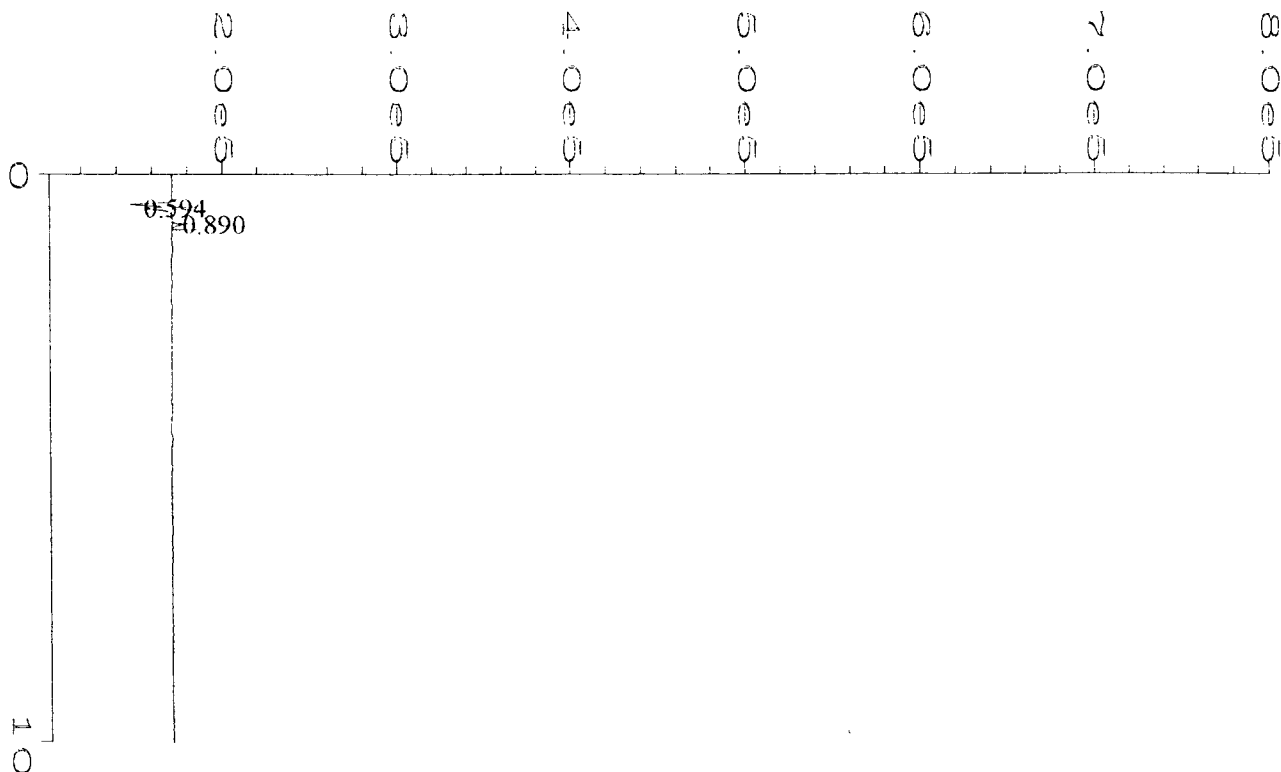
Page Number : 1  
 Vial Number :  
 Injection Number :  
 Sequence Line :  
 Instrument Method: BLOOMREF.MTH  
 Analysis Method : BLOOMREF.MTH  
 Sample Amount : 0  
 ISTD Amount :

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      | Page Number       | : 1            |
| Operator           | :                    | Vial Number       | :              |
| Instrument         | : RECON GC           | Injection Number  | :              |
| Sample Name        | : BLANK-17           | Sequence Line     | :              |
| Run Time Bar Code: |                      | Instrument Method | : BLOOMREF.MTH |
| Acquired on        | : 12 Dec 93 01:59 PM | Analysis Method   | : BLOOMREF.MTH |
| Report Created on  | : 21 Jan 94 06:19 PM | Sample Amount     | : 0            |
| Last Recalib on    | : 21 Jan 94 06:06 PM | ISTD Amount       | :              |
| Multiplier         | : 1                  |                   |                |

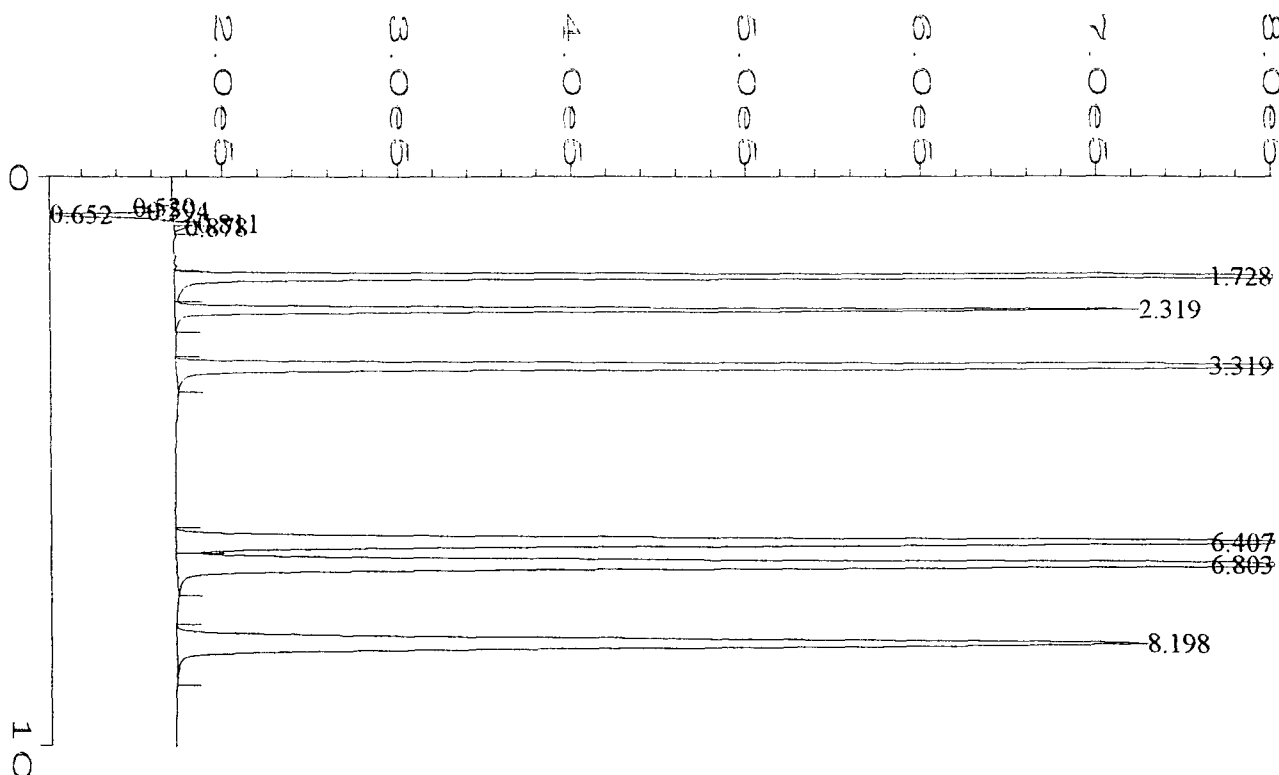
Fig. 1 in A:\NV-F1027.D

| 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 | 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 + 0.117 - 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%      |