

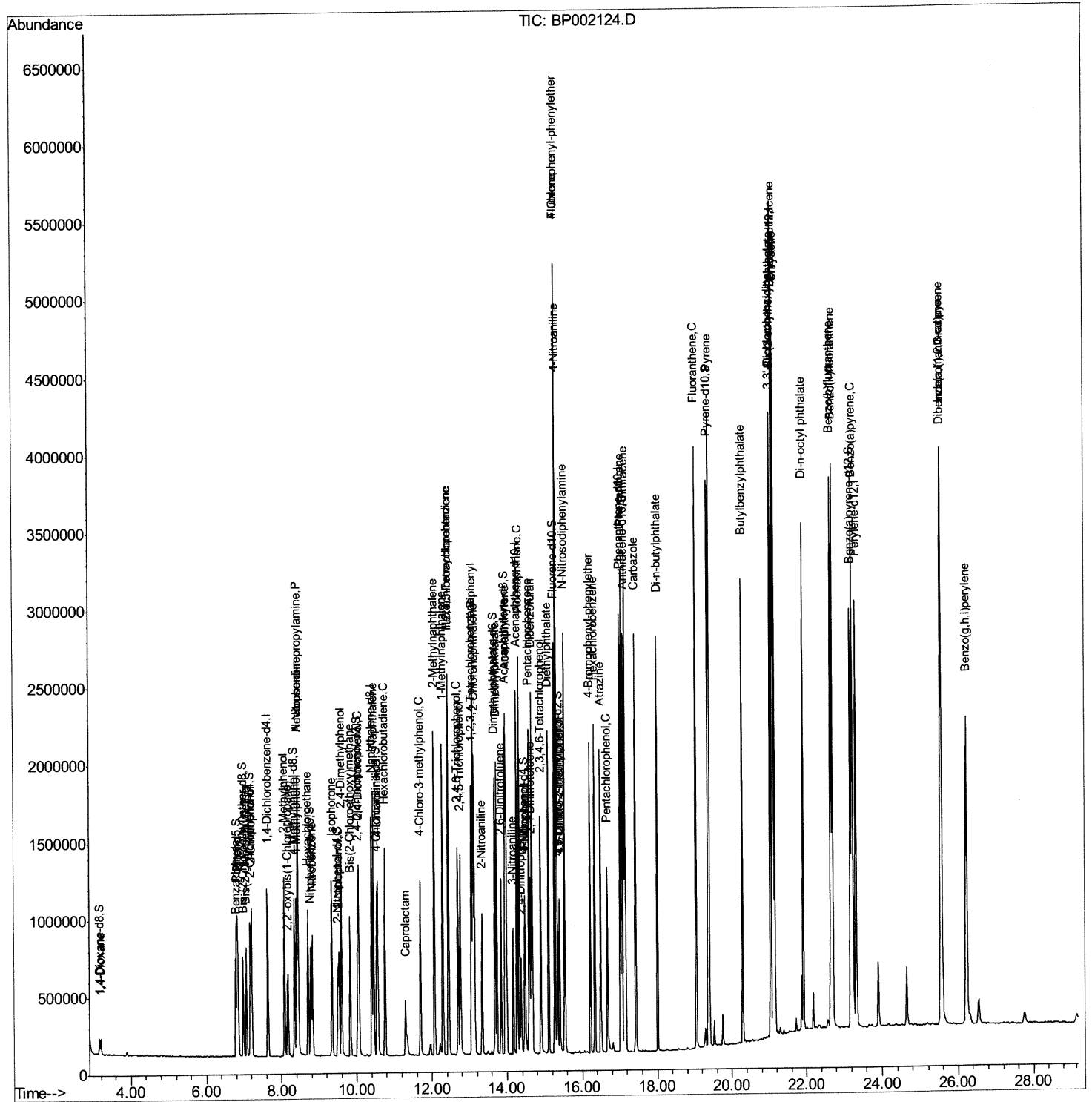
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Data Path   : Z:\svoasrv\HPCHEM1\BNA P\Data\BP030920\  
Data File  : BP002124.D  
Acq On     : 09 Mar 2020   17:14  
Operator   : CG/JU  
Sample     : SSTDCCC020  
Misc       :  
ALS Vial   : 2      Sample Multiplier: 1
```

**Instrument :**  
BNA\_P  
**LabSampleId :**  
SSTD02080

Manual Integrations  
APPROVED

mohammad  
3/10/2020 2:46:17 PM

Quant Time: Mar 09 17:53:18 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_P\METHODS\SOM-EPA-BP022720MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Mon Mar 09 15:02:40 2020  
Response via : Initial Calibration



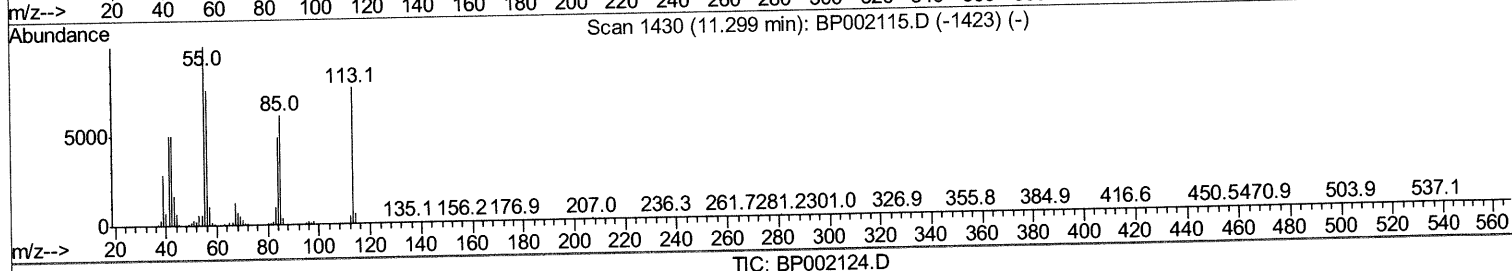
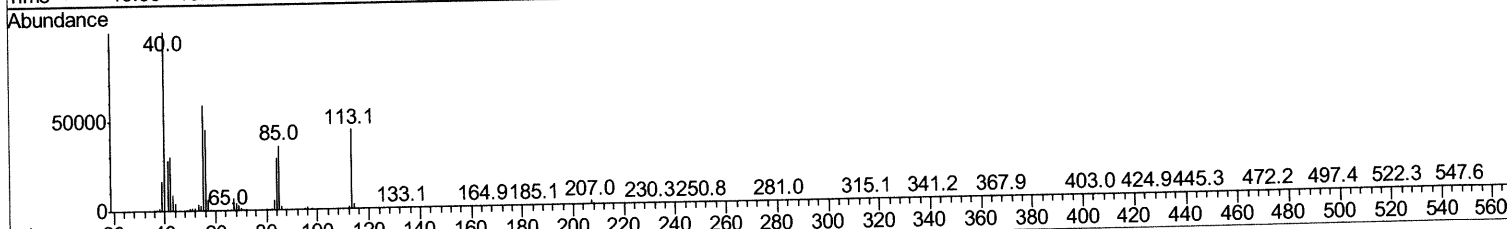
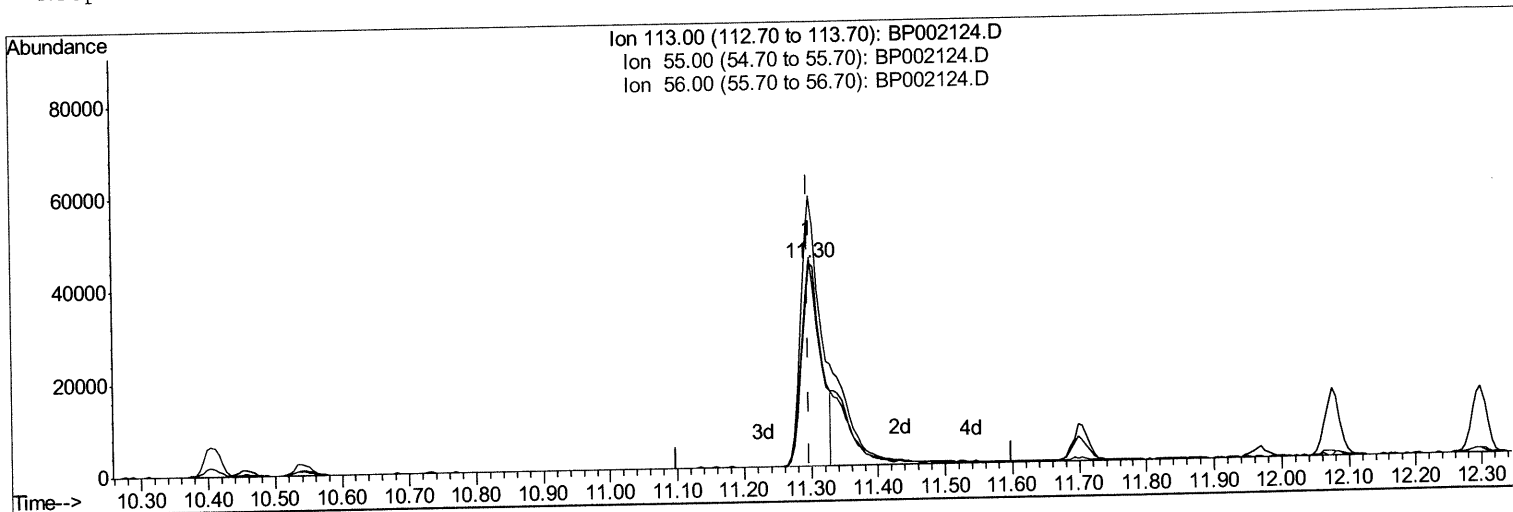
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(32) Caprolactam

11.299min (+0.000) 11.92ng/ul

response 87336

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100    | 100    |
| 55.00  | 121.70 | 132.60 |
| 56.00  | 94.20  | 102.36 |
| 0.00   | 0.00   | 0.00   |

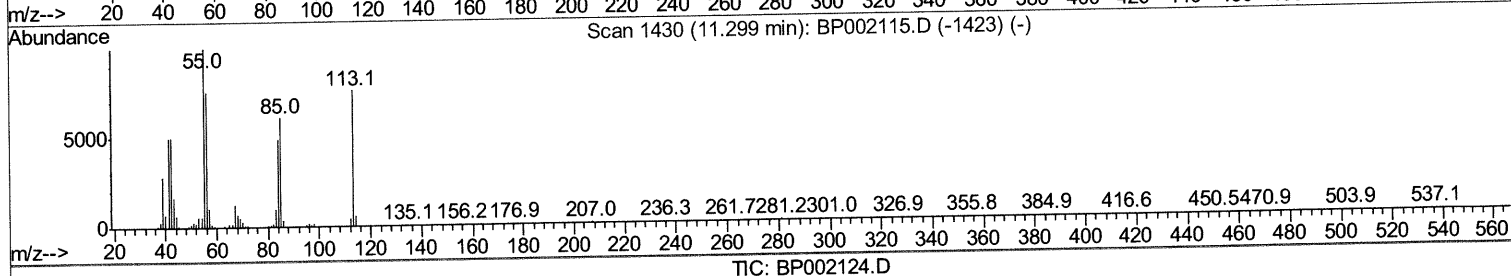
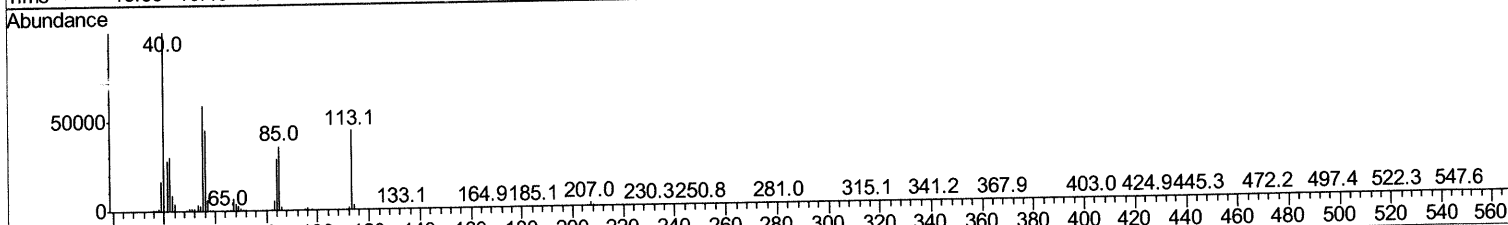
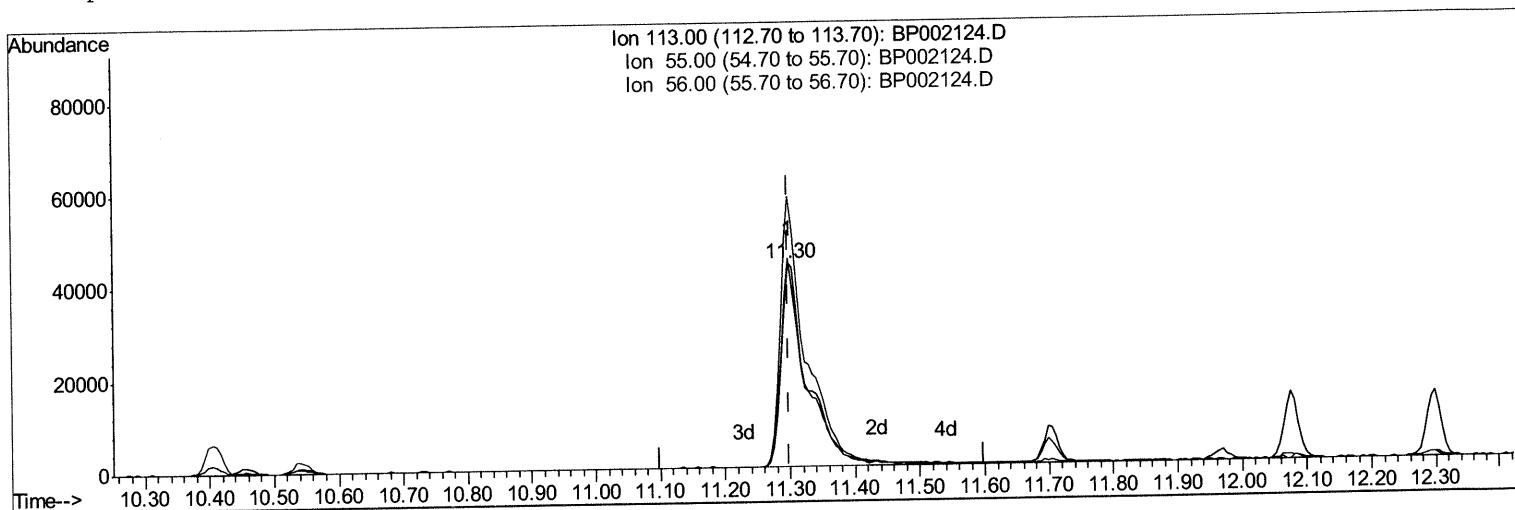
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(32) Caprolactam

11.299min (+0.000) 16.35ng/ul m JU 03/12/20

response 119780

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100    | 100    |
| 55.00  | 121.70 | 132.60 |
| 56.00  | 94.20  | 102.36 |
| 0.00   | 0.00   | 0.00   |

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 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.64  | 152  | 324820   | 20.00  | ng/ul | 0.00     |
| 18) Naphthalene-d8             | 10.40 | 136  | 1347586  | 20.00  | ng/ul | 0.00     |
| 36) Acenaphthene-d10           | 14.27 | 164  | 844321   | 20.00  | ng/ul | 0.00     |
| 62) Phenanthrene-d10           | 17.03 | 188  | 1802926  | 20.00  | ng/ul | 0.00     |
| 78) Chrysene-d12               | 21.12 | 240  | 1728360  | 20.00  | ng/ul | 0.00     |
| 86) Perylene-d12               | 23.33 | 264  | 2018086  | 20.00  | ng/ul | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 3) 1,4-Dioxane-d8              | 3.16  | 96   | 55196    | 7.31   | ng/uL | 0.00     |
| 5) Phenol-d5                   | 6.82  | 99   | 488131   | 19.70  | ng/ul | 0.00     |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.98  | 67   | 268999   | 20.50  | ng/ul | 0.00     |
| 9) 2-Chlorophenol-d4           | 7.18  | 132  | 424046   | 19.78  | ng/ul | 0.00     |
| 13) 4-Methylphenol-d8          | 8.35  | 113  | 395134   | 19.41  | ng/ul | 0.00     |
| 19) Nitrobenzene-d5            | 8.78  | 128  | 198201   | 19.15  | ng/ul | 0.00     |
| 22) 2-Nitrophenol-d4           | 9.50  | 143  | 208989   | 17.94  | ng/ul | 0.00     |
| 26) 2,4-Dichlorophenol-d3      | 10.03 | 165  | 437105   | 19.48  | ng/ul | 0.00     |
| 29) 4-Chloroaniline-d4         | 10.54 | 131  | 519835   | 21.14  | ng/ul | 0.00     |
| 44) Dimethylphthalate-d6       | 13.69 | 166  | 1249212  | 19.55  | ng/ul | 0.00     |
| 47) Acenaphthylene-d8          | 13.96 | 160  | 1481880  | 19.39  | ng/ul | 0.00     |
| 52) 4-Nitrophenol-d4           | 14.47 | 143  | 193320   | 15.83  | ng/ul | 0.00     |
| 58) Fluorene-d10               | 15.27 | 176  | 1085476  | 19.63  | ng/ul | 0.00     |
| 63) 4,6-Dinitro-2-methylphenol | 15.39 | 200  | 158482   | 15.94  | ng/ul | 0.00     |
| 71) Anthracene-d10             | 17.12 | 188  | 1624731  | 20.05  | ng/ul | 0.00     |
| 79) Pyrene-d10                 | 19.37 | 212  | 1867167  | 20.64  | ng/ul | 0.00     |
| 90) Benzo(a)pyrene-d12         | 23.19 | 264  | 2057014  | 19.92  | ng/ul | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 2) 1,4-Dioxane                 | 3.20  | 88   | 56190    | 6.974  | ng/uL | 97       |
| 4) Benzaldehyde                | 6.78  | 77   | 219117   | 15.050 | ng/ul | 99       |
| 6) Phenol                      | 6.85  | 94   | 527795   | 20.519 | ng/ul | 97       |
| 8) Bis(2-Chloroethyl)ether     | 7.07  | 93   | 411643   | 20.394 | ng/ul | 99       |
| 10) 2-Chlorophenol             | 7.20  | 128  | 453150   | 20.622 | ng/ul | 100      |
| 11) 2-Methylphenol             | 8.08  | 108  | 401559   | 19.966 | ng/ul | 99       |
| 12) 2,2'-oxybis(1-Chloropropan | 8.18  | 45   | 452352   | 20.994 | ng/ul | 98       |
| 14) Acetophenone               | 8.45  | 105  | 636983   | 21.215 | ng/ul | 99       |
| 15) N-Nitroso-di-n-propylamine | 8.44  | 70   | 293901   | 20.539 | ng/ul | 97       |
| 16) 4-Methylphenol             | 8.40  | 108  | 443741   | 20.654 | ng/ul | 99       |
| 17) Hexachloroethane           | 8.71  | 117  | 173095   | 19.826 | ng/ul | 98       |
| 20) Nitrobenzene               | 8.82  | 77   | 446277   | 19.348 | ng/ul | 98       |
| 21) Isophorone                 | 9.35  | 82   | 846482   | 19.342 | ng/ul | 99       |
| 23) 2-Nitrophenol              | 9.53  | 139  | 244558   | 19.303 | ng/ul | 99       |
| 24) 2,4-Dimethylphenol         | 9.60  | 107  | 461835   | 19.554 | ng/ul | 97       |
| 25) Bis(2-Chloroethoxy)methane | 9.83  | 93   | 550903   | 19.879 | ng/ul | 100      |
| 27) 2,4-Dichlorophenol         | 10.06 | 162  | 450292   | 20.190 | ng/ul | 100      |
| 28) Naphthalene                | 10.46 | 128  | 1423684  | 19.720 | ng/ul | 99       |
| 30) 4-Chloroaniline            | 10.56 | 127  | 546073   | 22.339 | ng/ul | 100      |
| 31) Hexachlorobutadiene        | 10.76 | 225  | 304365   | 19.785 | ng/ul | 98       |
| 32) Caprolactam                | 11.30 | 113  | 119780m  | 16.349 | ng/ul | 99       |
| 33) 4-Chloro-3-methylphenol    | 11.70 | 107  | 421597   | 19.021 | ng/ul | 99       |
| 34) 2-Methylnaphthalene        | 12.08 | 142  | 1045823  | 20.625 | ng/ul | 99       |

Ovalue

2003/12/20

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 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev (Min) |
|--------------------------------|-------|------|----------|--------|-------|-----------|
| 35) 1-Methylnaphthalene        | 12.30 | 142  | 993107   | 19.725 | ng/ul | 100       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.45 | 216  | 584774   | 20.776 | ng/ul | 98        |
| 38) Hexachlorocyclopentadiene  | 12.44 | 237  | 338370   | 20.511 | ng/ul | 98        |
| 39) 2,4,6-Trichlorophenol      | 12.69 | 196  | 345813   | 18.677 | ng/ul | 97        |
| 40) 2,4,5-Trichlorophenol      | 12.76 | 196  | 380689   | 19.496 | ng/ul | 99        |
| 41) 1,1'-Biphenyl              | 13.10 | 154  | 1364239  | 20.772 | ng/ul | 100       |
| 42) 2-Chloronaphthalene        | 13.14 | 162  | 1041094  | 20.052 | ng/ul | 99        |
| 43) 2-Nitroaniline             | 13.34 | 65   | 225583   | 18.246 | ng/ul | 98        |
| 45) Dimethylphthalate          | 13.73 | 163  | 1270815  | 19.267 | ng/ul | 100       |
| 46) 2,6-Dinitrotoluene         | 13.85 | 165  | 253208   | 18.917 | ng/ul | 98        |
| 48) Acenaphthylene             | 13.99 | 152  | 1582040  | 19.524 | ng/ul | 100       |
| 49) 3-Nitroaniline             | 14.17 | 138  | 234021   | 18.892 | ng/ul | 96        |
| 50) Acenaphthene               | 14.33 | 153  | 1083690  | 19.892 | ng/ul | 99        |
| 51) 2,4-Dinitrophenol          | 14.38 | 184  | 150804   | 19.729 | ng/ul | 94        |
| 53) 4-Nitrophenol              | 14.49 | 109  | 143398   | 16.255 | ng/ul | 99        |
| 54) Dibenzofuran               | 14.67 | 168  | 1578481  | 20.514 | ng/ul | 99        |
| 55) 2,4-Dinitrotoluene         | 14.64 | 165  | 364137   | 18.993 | ng/ul | 100       |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.90 | 232  | 320313   | 17.907 | ng/ul | 99        |
| 57) Diethylphthalate           | 15.11 | 149  | 1230176  | 18.895 | ng/ul | 99        |
| 59) Fluorene                   | 15.33 | 166  | 1211549  | 19.703 | ng/ul | 99        |
| 60) 4-Chlorophenyl-phenylether | 15.33 | 204  | 641183   | 19.788 | ng/ul | 97        |
| 61) 4-Nitroaniline             | 15.34 | 138  | 240949   | 18.568 | ng/ul | 99        |
| 64) 4,6-Dinitro-2-methylphenol | 15.41 | 198  | 182642   | 16.871 | ng/ul | 94        |
| 65) N-Nitrosodiphenylamine     | 15.54 | 169  | 1084465  | 21.129 | ng/ul | 99        |
| 66) 4-Bromophenyl-phenylether  | 16.22 | 248  | 424727   | 20.556 | ng/ul | 97        |
| 67) Hexachlorobenzene          | 16.34 | 284  | 461235   | 19.659 | ng/ul | 98        |
| 68) Atrazine                   | 16.50 | 200  | 387500   | 19.117 | ng/ul | 97        |
| 69) Pentachlorophenol          | 16.68 | 266  | 227531   | 15.705 | ng/ul | 98        |
| 70) Phenanthrene               | 17.07 | 178  | 1976354  | 19.898 | ng/ul | 99        |
| 72) Anthracene                 | 17.16 | 178  | 1981838  | 20.152 | ng/ul | 99        |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.06 | 216  | 591749   | 20.430 | ng/uL | 99        |
| 74) Pentachlorobenzene         | 14.60 | 250  | 565584   | 19.774 | ng/uL | 99        |
| 75) Carbazole                  | 17.43 | 167  | 1764806  | 21.312 | ng/ul | 100       |
| 76) Di-n-butylphthalate        | 18.01 | 149  | 1958959  | 18.455 | ng/ul | 100       |
| 77) Fluoranthene               | 19.05 | 202  | 2343985  | 20.457 | ng/ul | 99        |
| 80) Pylene                     | 19.40 | 202  | 2405360  | 20.441 | ng/ul | 100       |
| 81) Butylbenzylphthalate       | 20.29 | 149  | 894545   | 18.736 | ng/ul | 99        |
| 82) 3,3'-Dichlorobenzidine     | 21.05 | 252  | 723904   | 18.344 | ng/ul | 98        |
| 83) Benzo(a)anthracene         | 21.10 | 228  | 2460979  | 21.046 | ng/ul | 100       |
| 84) Bis(2-ethylhexyl)phthalate | 21.06 | 149  | 1329561  | 18.975 | ng/ul | 99        |
| 85) Chrysene                   | 21.16 | 228  | 2274076  | 20.385 | ng/ul | 99        |
| 87) Di-n-octyl phthalate       | 21.92 | 149  | 2252089  | 18.921 | ng/ul | 100       |
| 88) Benzo(b)fluoranthene       | 22.67 | 252  | 2534225  | 20.024 | ng/ul | 99        |
| 89) Benzo(k)fluoranthene       | 22.71 | 252  | 2522980  | 20.366 | ng/ul | 99        |
| 91) Benzo(a)pyrene             | 23.23 | 252  | 2419146  | 21.056 | ng/ul | 99        |
| 92) Indeno(1,2,3-cd)pyrene     | 25.56 | 276  | 2825248  | 18.973 | ng/ul | 100       |
| 93) Dibenzo(a,h)anthracene     | 25.57 | 278  | 2361548  | 19.181 | ng/ul | 100       |
| 94) Benzo(a,h,i)perylene       | 26.23 | 276  | 2420902  | 19.259 | ng/ul | 98        |

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|----------------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                      |      |      |          |      |       |          |
| (#) = qualifier out of range (m) = manual integration (+) = signals summed |      |      |          |      |       |          |