

(QT Reviewed)

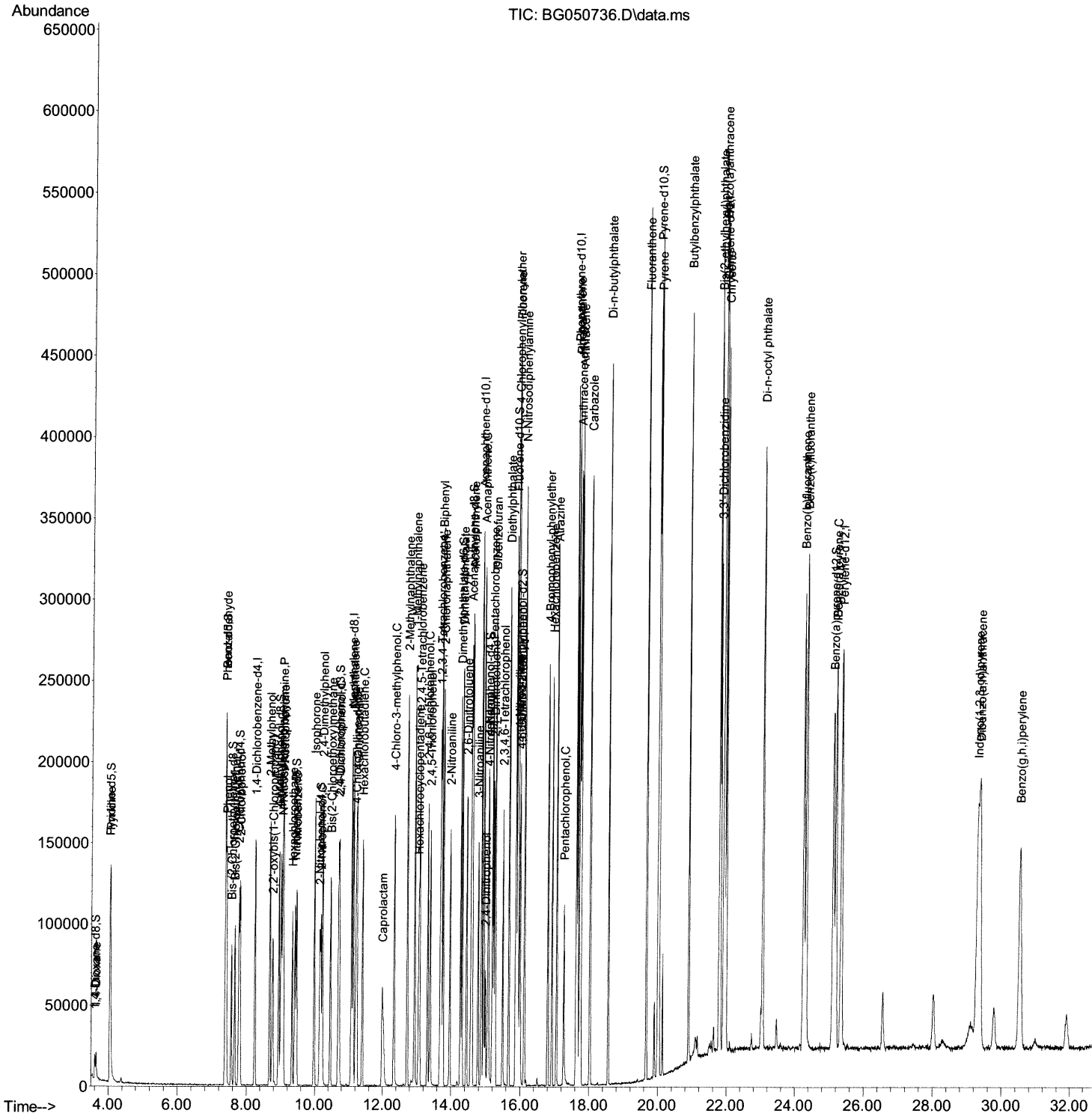
```
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102721\
Data File : BG050736.D
Acq On    : 26 Oct 2021  19:00
Operator  : CG/JU
Sample    : SSTDICV020
Misc      :
ALS Vial  : 9   Sample Multiplier: 1
```

**Instrument :**  
BNA\_G  
**ClientSampleId :**  
SICV404

## Manual Integrations

mohammad  
10/27/2021 11:49:58 AM

Quant Time: Oct 27 03:33:11 2021  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG102721.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Tue Oct 26 18:31:25 2021  
Response via : Initial Calibration



# Quantitation Report (Qedit)

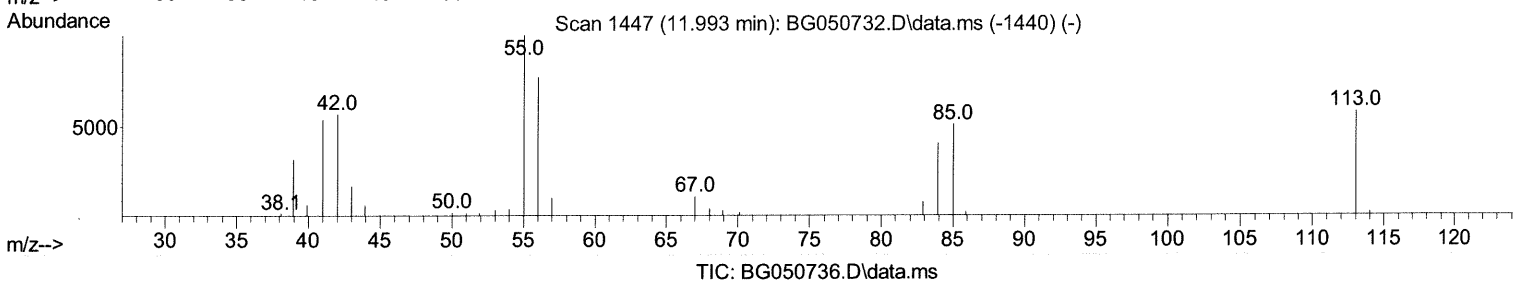
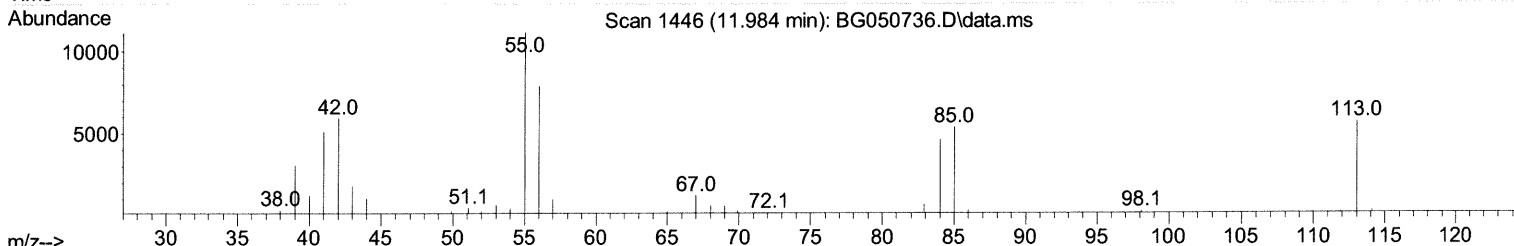
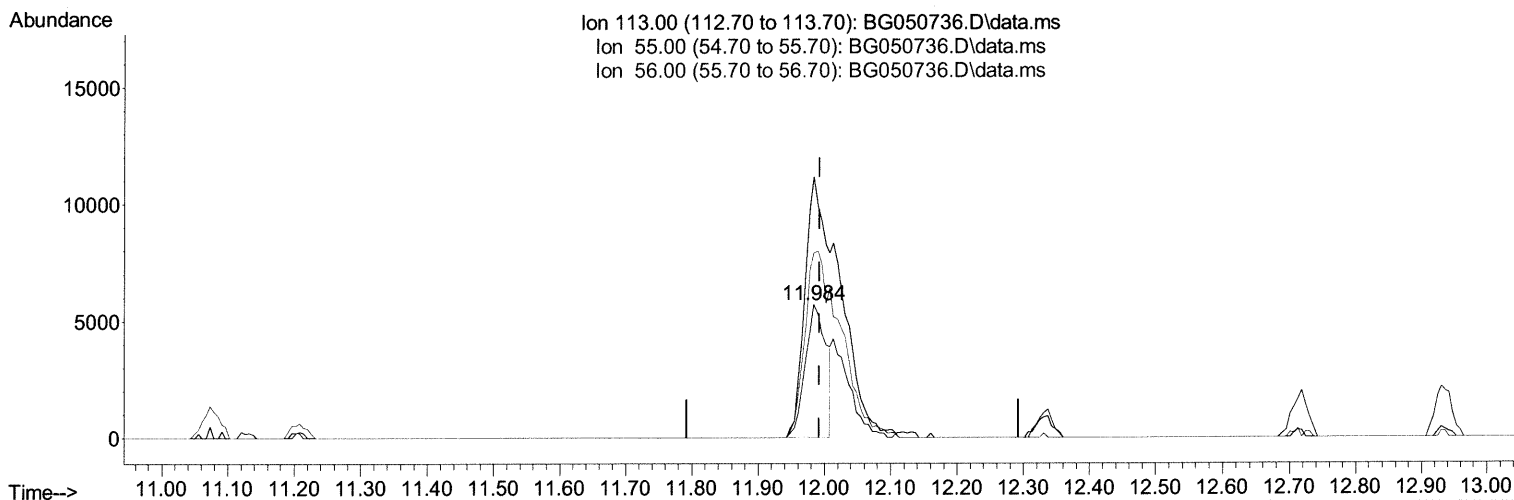
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## (34) Caprolactam

11.984min (-0.009) 11.55 ng/ul

response 12355

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 180.10 | 196.31 |
| 56.00  | 132.30 | 138.87 |
| 0.00   | 0.00   | 0.00   |

# Quantitation Report (Qedit)

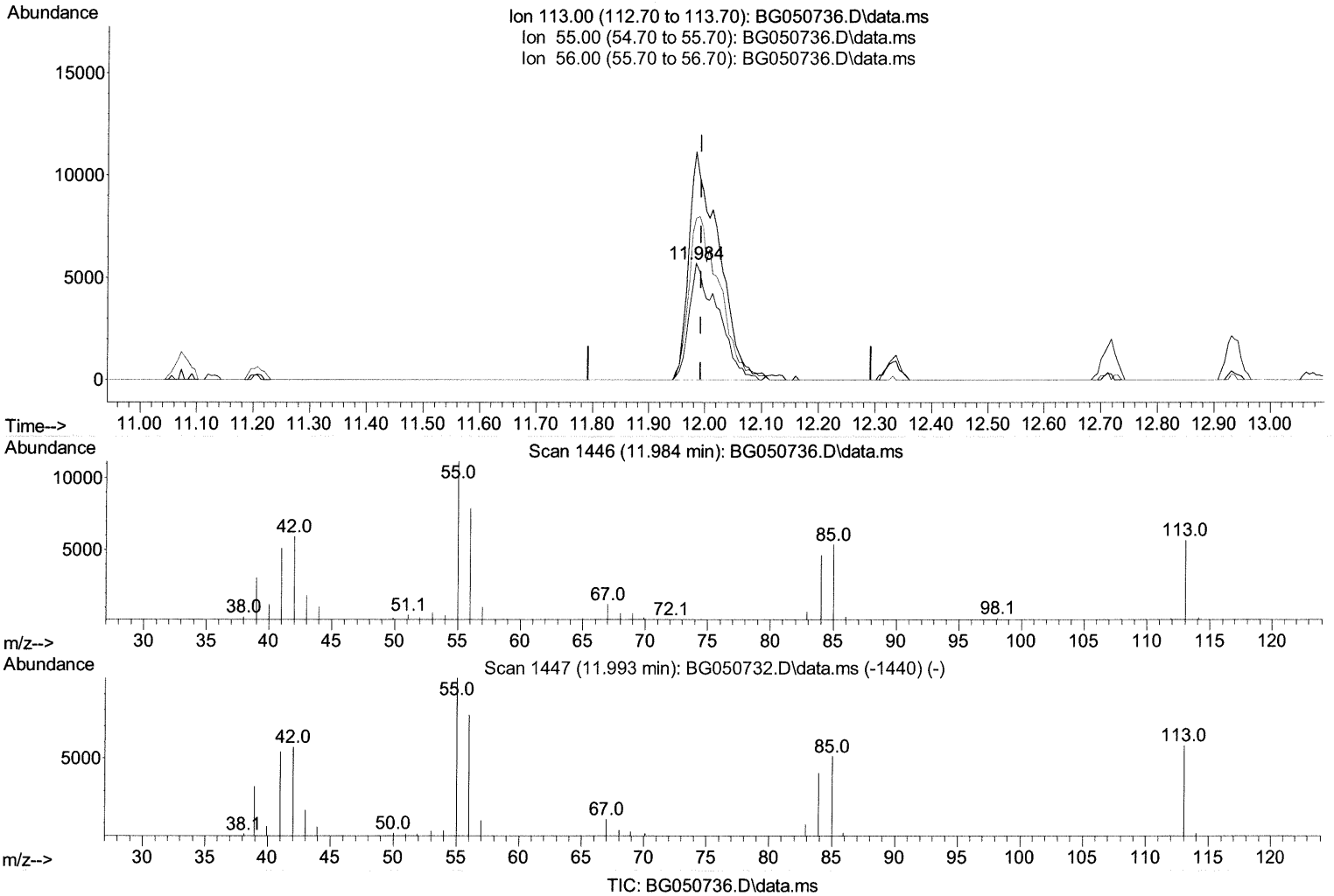
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 Operator : CG/JU  
 Sample : SSTDICV020  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

**Instrument :**  
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 Response via : Initial Calibration



## (34) Caprolactam

11.984min (-0.009) 18.85 ng/ul m 10/30/21 JU

response 20173

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 180.10 | 196.31 |
| 56.00  | 132.30 | 138.87 |
| 0.00   | 0.00   | 0.00   |

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 Operator : CG/JU  
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 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampled :  
 SICV404

Manual Integrations  
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mohammad  
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Quant Time: Oct 27 03:33:11 2021  
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 Response via : Initial Calibration

| Compound                  | R.T.   | QIon | Response | Conc Units   | Dev(Min) |
|---------------------------|--------|------|----------|--------------|----------|
| Internal Standards        |        |      |          |              |          |
| 1) 1,4-Dichlorobenzene-d4 | 8.247  | 152  | 41418    | 20.000 ng/ul | 0.00     |
| 20) Naphthalene-d8        | 11.079 | 136  | 176527   | 20.000 ng/ul | 0.00     |
| 38) Acenaphthene-d10      | 14.875 | 164  | 115863   | 20.000 ng/ul | 0.00     |
| 64) Phenanthrene-d10      | 17.618 | 188  | 268208   | 20.000 ng/ul | 0.00     |
| 79) Chrysene-d12          | 21.931 | 240  | 237103   | 20.000 ng/ul | 0.00     |
| 88) Perylene-d12          | 25.356 | 264  | 233157   | 20.000 ng/ul | 0.00     |

|                               |        |     |        |              |      |
|-------------------------------|--------|-----|--------|--------------|------|
| System Monitoring Compounds   |        |     |        |              |      |
| 3) 1,4-Dioxane-d8             | 3.605  | 96  | 8173   | 7.775 ng/uL  | 0.00 |
| 4) Pyridine-d5                | 4.034  | 84  | 63551  | 19.091 ng/ul | 0.00 |
| 7) Phenol-d5                  | 7.389  | 99  | 70143  | 18.225 ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth...  | 7.560  | 67  | 46535  | 18.793 ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4         | 7.777  | 132 | 51487  | 19.045 ng/ul | 0.00 |
| 15) 4-Methylphenol-d8         | 8.946  | 113 | 55572  | 18.701 ng/ul | 0.00 |
| 21) Nitrobenzene-d5           | 9.422  | 128 | 26114  | 19.381 ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4          | 10.145 | 143 | 29573  | 19.463 ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3     | 10.691 | 165 | 51111  | 19.154 ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4        | 11.202 | 131 | 71696  | 18.307 ng/ul | 0.00 |
| 46) Dimethylphthalate-d6      | 14.269 | 166 | 158483 | 19.368 ng/ul | 0.00 |
| 49) Acenaphthylene-d8         | 14.569 | 160 | 196819 | 19.368 ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4          | 15.063 | 143 | 28960  | 19.556 ng/ul | 0.00 |
| 60) Fluorene-d10              | 15.862 | 176 | 136499 | 19.411 ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.979 | 200 | 28142  | 17.930 ng/ul | 0.00 |
| 73) Anthracene-d10            | 17.718 | 188 | 221079 | 19.225 ng/ul | 0.00 |
| 81) Pyrene-d10                | 19.998 | 212 | 256858 | 19.010 ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12        | 25.121 | 264 | 230069 | 19.179 ng/ul | 0.00 |

|                               |        |     |        |                |           |
|-------------------------------|--------|-----|--------|----------------|-----------|
| Target Compounds              |        |     |        | Qvalue         |           |
| 2) 1,4-Dioxane                | 3.641  | 88  | 9823   | 7.533 ng/uL    | 94        |
| 5) Pyridine                   | 4.052  | 79  | 66320  | 19.160 ng/ul   | 99        |
| 6) Benzaldehyde               | 7.383  | 77  | 50259  | 26.171 ng/ul   | 97        |
| 8) Phenol                     | 7.419  | 94  | 74175  | 18.474 ng/ul   | 98        |
| 10) Bis(2-Chloroethyl)ether   | 7.654  | 93  | 56365  | 18.608 ng/ul   | 97        |
| 12) 2-Chlorophenol            | 7.806  | 128 | 51348  | 18.896 ng/ul#  | 91        |
| 13) 2-Methylphenol            | 8.682  | 108 | 54439  | 18.313 ng/ul   | 99        |
| 14) 2,2'-oxybis(1-Chloropr... | 8.770  | 45  | 88708  | 18.550 ng/ul   | 99        |
| 16) Acetophenone              | 9.076  | 105 | 87506  | 18.802 ng/ul   | 96        |
| 17) N-Nitroso-di-n-propyla... | 9.046  | 70  | 53271  | 18.925 ng/ul#  | 92        |
| 18) 4-Methylphenol            | 9.011  | 108 | 58495  | 18.657 ng/ul   | 97        |
| 19) Hexachloroethane          | 9.340  | 117 | 22189  | 18.923 ng/ul   | 95        |
| 22) Nitrobenzene              | 9.463  | 77  | 76423  | 19.516 ng/ul   | 99        |
| 23) Isophorone                | 9.986  | 82  | 140904 | 18.928 ng/ul   | 99        |
| 25) 2-Nitrophenol             | 10.180 | 139 | 30159  | 19.048 ng/ul   | 94        |
| 26) 2,4-Dimethylphenol        | 10.221 | 107 | 67035  | 19.367 ng/ul   | 94        |
| 27) Bis(2-Chloroethoxy)met... | 10.462 | 93  | 77389  | 19.173 ng/ul   | 98        |
| 29) 2,4-Dichlorophenol        | 10.715 | 162 | 48953  | 18.988 ng/ul   | 93        |
| 30) Naphthalene               | 11.126 | 128 | 171000 | 18.989 ng/ul   | 99        |
| 32) 4-Chloroaniline           | 11.232 | 127 | 73686  | 18.735 ng/ul   | 95        |
| 33) Hexachlorobutadiene       | 11.396 | 225 | 33457  | 19.149 ng/ul   | 99        |
| 34) Caprolactam               | 11.984 | 113 | 20173m | 18.852 ng/ul > | 101012 JU |
| 35) 4-Chloro-3-methylphenol   | 12.331 | 107 | 60970  | 18.995 ng/ul   | 96        |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 36) 2-Methylnaphthalene       | 12.718 | 142  | 113632   | 18.867 | ng/ul  | 97       |
| 37) 1-Methylnaphthalene       | 12.936 | 142  | 115884   | 19.050 | ng/ul  | 96       |
| 39) 1,2,4,5-Tetrachloroben... | 13.077 | 216  | 61894    | 19.229 | ng/ul# | 98       |
| 40) Hexachlorocyclopentadiene | 13.047 | 237  | 28572    | 16.515 | ng/ul  | 92       |
| 41) 2,4,6-Trichlorophenol     | 13.312 | 196  | 40702    | 19.211 | ng/ul  | 94       |
| 42) 2,4,5-Trichlorophenol     | 13.388 | 196  | 43222    | 19.330 | ng/ul  | 95       |
| 43) 1,1'-Biphenyl             | 13.705 | 154  | 152920   | 19.049 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.758 | 162  | 119719   | 19.257 | ng/ul  | 96       |
| 45) 2-Nitroaniline            | 13.958 | 65   | 48641    | 19.618 | ng/ul  | 95       |
| 47) Dimethylphthalate         | 14.311 | 163  | 159800   | 19.448 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.446 | 165  | 32892    | 19.426 | ng/ul  | 95       |
| 50) Acenaphthylene            | 14.598 | 152  | 198723   | 19.128 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.775 | 138  | 34962    | 21.369 | ng/ul  | 88       |
| 52) Acenaphthene              | 14.939 | 153  | 131945   | 19.440 | ng/ul  | 97       |
| 53) 2,4-Dinitrophenol         | 14.986 | 184  | 15960    | 16.900 | ng/ul  | 89       |
| 55) 4-Nitrophenol             | 15.074 | 109  | 27262    | 19.144 | ng/ul  | 87       |
| 56) Dibenzofuran              | 15.268 | 168  | 187436   | 19.532 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 15.227 | 165  | 47403    | 19.513 | ng/ul# | 99       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.492 | 232  | 33873    | 19.435 | ng/ul# | 88       |
| 59) Diethylphthalate          | 15.668 | 149  | 174413   | 19.870 | ng/ul  | 98       |
| 61) Fluorene                  | 15.920 | 166  | 147031   | 19.302 | ng/ul  | 94       |
| 62) 4-Chlorophenyl-phenyle... | 15.903 | 204  | 78309    | 19.493 | ng/ul  | 92       |
| 63) 4-Nitroaniline            | 15.938 | 138  | 35004    | 22.855 | ng/ul  | 97       |
| 66) 4,6-Dinitro-2-methylph... | 15.991 | 198  | 27248    | 17.972 | ng/ul  | 99       |
| 67) N-Nitrosodiphenylamine    | 16.114 | 169  | 133330   | 18.708 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.802 | 248  | 46612    | 18.446 | ng/ul  | 94       |
| 69) Hexachlorobenzene         | 16.919 | 284  | 48288    | 18.711 | ng/ul  | 95       |
| 70) Atrazine                  | 17.060 | 200  | 58622    | 19.214 | ng/ul  | 97       |
| 71) Pentachlorophenol         | 17.266 | 266  | 21305    | 16.199 | ng/ul  | 100      |
| 72) Phenanthrene              | 17.665 | 178  | 256298   | 19.116 | ng/ul  | 99       |
| 74) Anthracene                | 17.754 | 178  | 260562   | 19.482 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.676 | 216  | 65835    | 18.358 | ng/uL  | 97       |
| 76) Pentachlorobenzene        | 15.186 | 250  | 60256    | 18.193 | ng/uL  | 99       |
| 77) Carbazole                 | 18.024 | 167  | 243474   | 19.605 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.559 | 149  | 317818   | 20.263 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.663 | 202  | 323382   | 18.778 | ng/ul  | 97       |
| 82) Pyrene                    | 20.027 | 202  | 317090   | 18.830 | ng/ul  | 97       |
| 83) Butylbenzylphthalate      | 20.891 | 149  | 135746   | 19.015 | ng/ul  | 97       |
| 84) 3,3'-Dichlorobenzidine    | 21.814 | 252  | 105053   | 19.975 | ng/ul  | 99       |
| 85) Benzo(a)anthracene        | 21.908 | 228  | 286919   | 19.080 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.778 | 149  | 193626   | 19.059 | ng/ul  | 99       |
| 87) Chrysene                  | 21.978 | 228  | 271480   | 18.961 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 23.059 | 149  | 328785   | 19.369 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.258 | 252  | 282487   | 18.982 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 24.328 | 252  | 265375   | 19.134 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 25.192 | 252  | 269142   | 18.868 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.299 | 276  | 298002   | 18.905 | ng/ul# | 92       |
| 95) Dibenzo(a,h)anthracene    | 29.364 | 278  | 256198   | 18.897 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 30.527 | 276  | 248674   | 18.884 | ng/ul  | 97       |

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