

**Instrument :**  
BNA\_M  
**ClientSampleId :**  
SSTD010016

mohammad  
8/30/2021 10:35:13 AM

Abundance

TIC: BM031934.D\data.ms

1700000

1600000

1500000

1400000

1300000

1200000

1100000

1000000

900000

800000

700000

600000

500000

400000

300000

200000

100000

0

Time-->

4.00

6.00

8.00

10.00

12.00

14.00

16.00

18.00

20.00

22.00

24.00

26.00

28.00

1,4-Dioxane-d8,S

Pyridine-d5,S

Benzothiazide,S

Bis(2-chlorophenyl)ether-d8,S

1,4-Dichlorobenzene-d4,l

2,2'-oxybis(methylpropane)

4-Methylmorpholine,N

Nitrobenzene-d5,S

2-Amino-2-phenylpropan-1-ol

Bis(2-chlorophenyl)ether-d8,S

2,4-Dichlorophenol

4-Chlorophthalate

Naphthalene-d8,l

Hexachlorocyclotriene,C

Caprolactam

4-Chloro-3-methylphenol,C

2-Methylphthalene

Hexachlorocyclopentadiene

2,4,6-Trichlorophenol,C

1,2-Dichlorobenzene

2-Nitroaniline

2,6-Dinitrophenol

3-Nitroaniline

2,4,6-Trinitrophenol

2,3,4,6-Tetrachlorophthalate

4-Nitrophenol

4-Nitro-2-methylphenylamine

4-Bromophenylphenylether

4-Nitrophenol

Pentachlorophthalate

Carbazole

Di-n-butylphthalate

Phenanthrene-d10,l

Fluoranthene

Pyrene-d10,S

Butylbenzylphthalate

Chrysene

Di-n-octyl phthalate

Benzo(k)fluoranthene

Benzo(a)pyrene-d12,S

Benzo(a)pyrene,C

Perylene-d12,l

Benzo(g,h,i)perylene

Chloranthenes

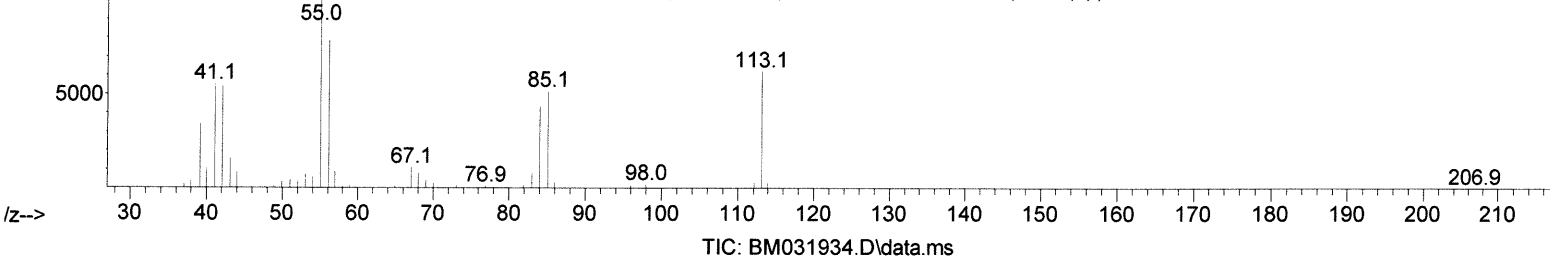
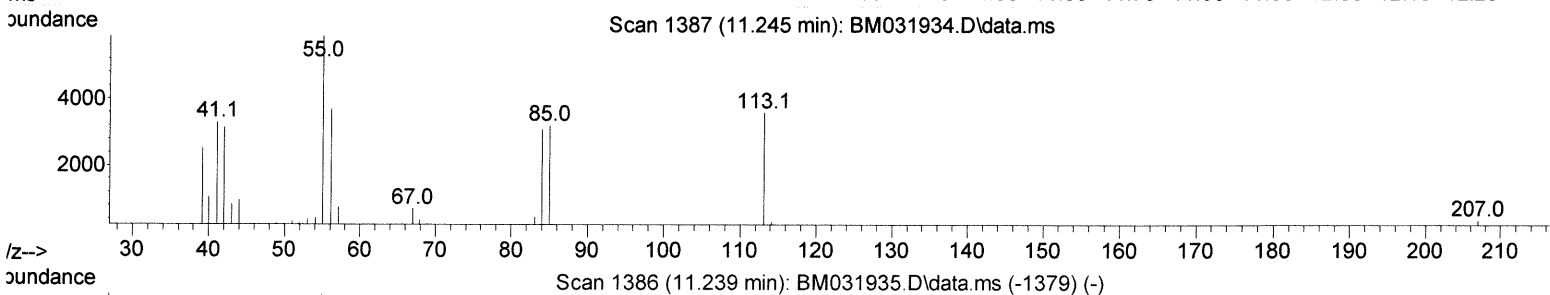
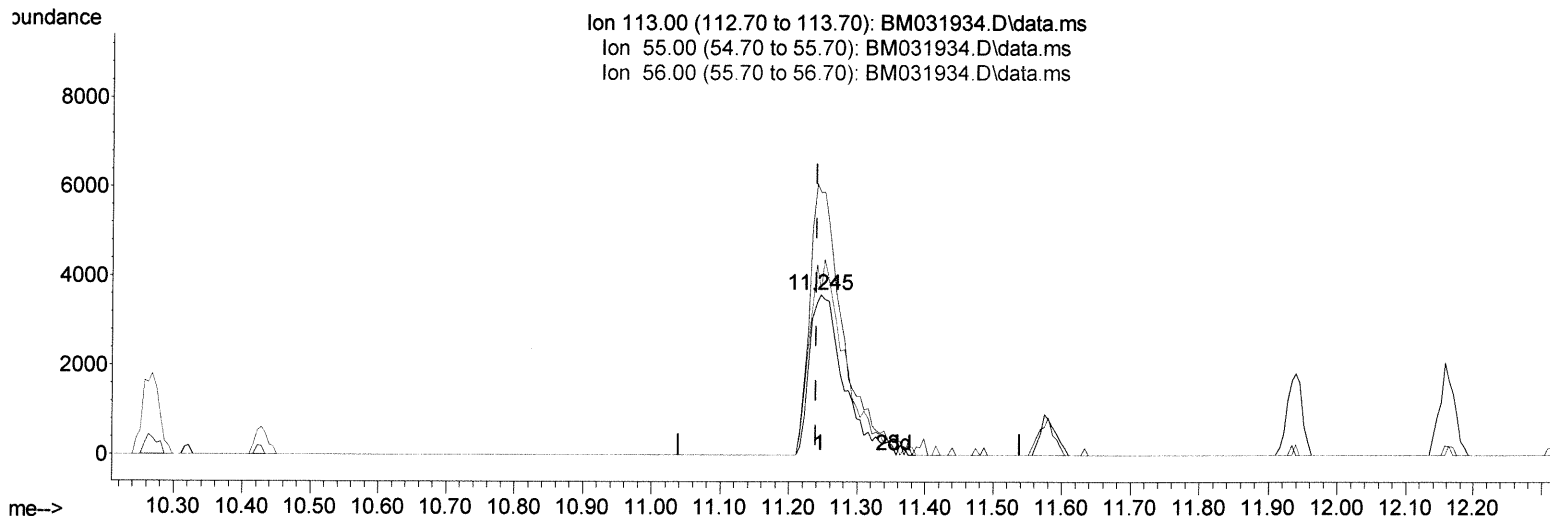
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM082821\  
 Data File : BM031934.D  
 Acq On : 28 Aug 2021 16:17  
 Operator : CG/JU  
 Sample : SST001019  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SST0010016

Manual Integrations  
 APPROVED

mohammad  
 8/30/2021 10:35:13 AM

Quant Time: Aug 28 23:55:13 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SFAM-EPA-BM082821.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Aug 28 23:51:00 2021  
 Response via : Initial Calibration



(34) Caprolactam

11.245min (+ 0.006) 10.08 ng/ul

response 11976

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 194.00 | 163.65 |
| 56.00  | 127.40 | 102.70 |
| 0.00   | 0.00   | 0.00   |

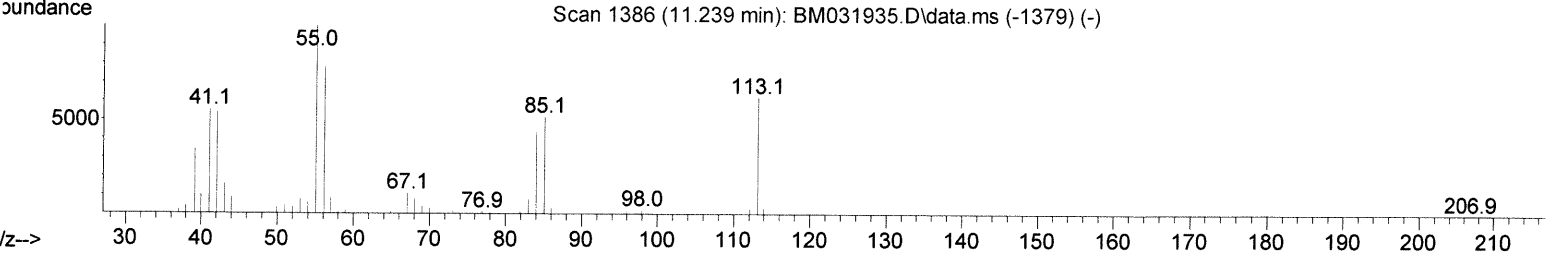
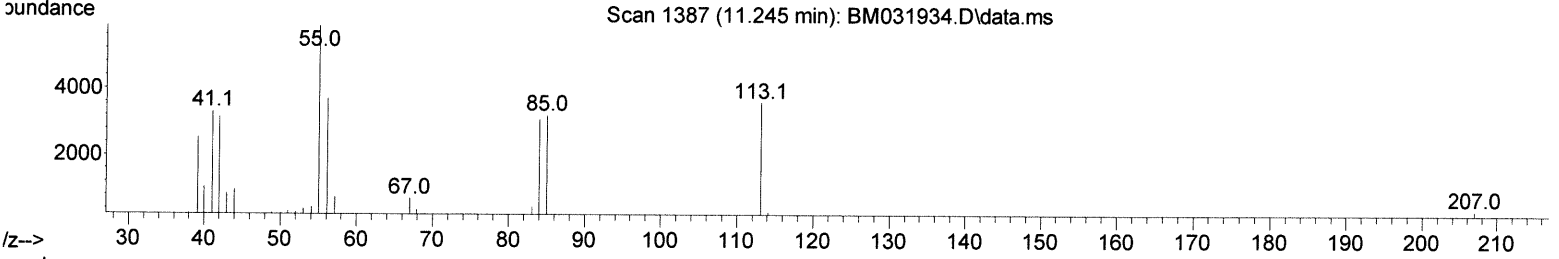
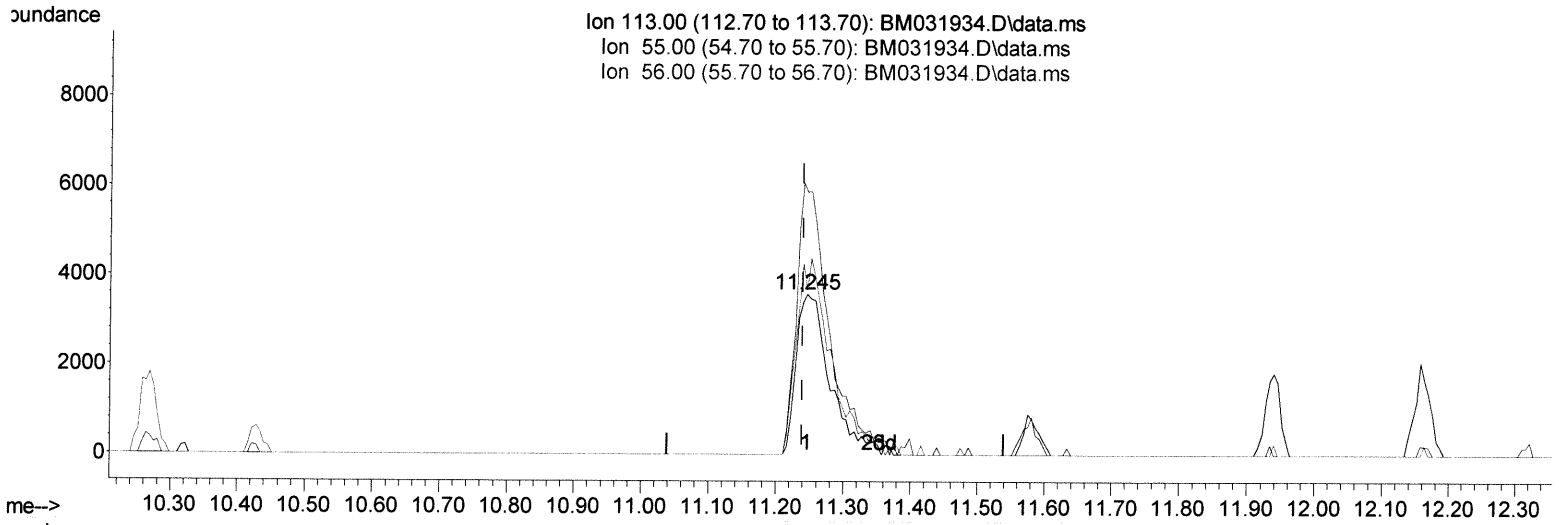
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 Data File : BM031934.D  
 Acq On : 28 Aug 2021 16:17  
 Operator : CG/JU  
 Sample : SSTD01019  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD010016

Manual Integrations  
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TIC: BM031934.D\data.ms

(34) Caprolactam

11.245min (+ 0.006) 10.51 ng/ul m

response 12482

*JU 8/31/21*

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 113.00 | 100.00 | 100.00 |
| 55.00  | 194.00 | 163.65 |
| 56.00  | 127.40 | 102.70 |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM082821\  
 Data File : BM031934.D  
 Acq On : 28 Aug 2021 16:17  
 Operator : CG/JU  
 Sample : SST001019  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SST0010016

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 Quant Title : SVOA CALIBRATION  
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| Compound                  | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|---------------------------|--------|------|----------|--------|-------|----------|
| Internal Standards        |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4 | 7.510  | 152  | 61821    | 20.000 | ng/ul | 0.00     |
| 20) Naphthalene-d8        | 10.269 | 136  | 270297   | 20.000 | ng/ul | # 0.00   |
| 38) Acenaphthene-d10      | 14.151 | 164  | 204484   | 20.000 | ng/ul | 0.00     |
| 64) Phenanthrene-d10      | 16.904 | 188  | 468496   | 20.000 | ng/ul | 0.00     |
| 79) Chrysene-d12          | 21.109 | 240  | 548501   | 20.000 | ng/ul | 0.00     |
| 88) Perylene-d12          | 23.251 | 264  | 612725   | 20.000 | ng/ul | 0.00     |

|                               |        |     |        |        |       |      |
|-------------------------------|--------|-----|--------|--------|-------|------|
| System Monitoring Compounds   |        |     |        |        |       |      |
| 3) 1,4-Dioxane-d8             | 3.134  | 96  | 5785   | 3.657  | ng/uL | 0.00 |
| 4) Pyridine-d5                | 3.534  | 84  | 30616  | 7.400  | ng/ul | 0.01 |
| 7) Phenol-d5                  | 6.705  | 99  | 45578  | 8.437  | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth...  | 6.869  | 67  | 28922  | 8.312  | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4         | 7.052  | 132 | 38764  | 9.353  | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8         | 8.222  | 113 | 38815  | 8.966  | ng/ul | 0.00 |
| 21) Nitrobenzene-d5           | 8.657  | 128 | 18529  | 9.217  | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4          | 9.369  | 143 | 21075  | 9.581  | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3     | 9.904  | 165 | 44390  | 10.486 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4        | 10.422 | 131 | 61913  | 10.299 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6      | 13.575 | 166 | 155557 | 10.866 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8         | 13.839 | 160 | 179987 | 9.953  | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4          | 14.386 | 143 | 22226  | 8.921  | ng/ul | 0.00 |
| 60) Fluorene-d10              | 15.151 | 176 | 137017 | 10.869 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.298 | 200 | 24560  | 8.176  | ng/ul | 0.00 |
| 73) Anthracene-d10            | 17.004 | 188 | 217825 | 9.977  | ng/ul | 0.00 |
| 81) Pyrene-d10                | 19.310 | 212 | 251269 | 8.306  | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12        | 23.115 | 264 | 314540 | 9.945  | ng/ul | 0.00 |

|                               |        |     |        |        |        |    |
|-------------------------------|--------|-----|--------|--------|--------|----|
| Target Compounds              |        |     |        | Qvalue |        |    |
| 2) 1,4-Dioxane                | 3.164  | 88  | 6850   | 4.200  | ng/ul  | 98 |
| 5) Pyridine                   | 3.552  | 79  | 34523  | 7.654  | ng/ul  | 92 |
| 6) Benzaldehyde               | 6.681  | 77  | 25628  | 9.220  | ng/ul  | 97 |
| 8) Phenol                     | 6.734  | 94  | 47065  | 8.500  | ng/ul  | 96 |
| 10) Bis(2-Chloroethyl)ether   | 6.963  | 93  | 37087  | 8.599  | ng/ul  | 95 |
| 12) 2-Chlorophenol            | 7.081  | 128 | 38850  | 9.357  | ng/ul  | 98 |
| 13) 2-Methylphenol            | 7.957  | 108 | 35867  | 8.911  | ng/ul  | 99 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.040  | 45  | 50983  | 7.179  | ng/ul# | 95 |
| 16) Acetophenone              | 8.334  | 105 | 63530  | 9.325  | ng/ul  | 98 |
| 17) N-Nitroso-di-n-propyla... | 8.316  | 70  | 31997  | 9.455  | ng/ul# | 98 |
| 18) 4-Methylphenol            | 8.287  | 108 | 39727  | 8.995  | ng/ul  | 94 |
| 19) Hexachloroethane          | 8.557  | 117 | 17230  | 9.862  | ng/ul  | 96 |
| 22) Nitrobenzene              | 8.704  | 77  | 48460  | 9.375  | ng/ul  | 97 |
| 23) Isophorone                | 9.222  | 82  | 88952  | 9.861  | ng/ul  | 98 |
| 25) 2-Nitrophenol             | 9.404  | 139 | 22922  | 9.720  | ng/ul  | 96 |
| 26) 2,4-Dimethylphenol        | 9.469  | 107 | 48462  | 9.909  | ng/ul  | 95 |
| 27) Bis(2-Chloroethoxy)met... | 9.710  | 93  | 53532  | 9.377  | ng/ul  | 99 |
| 29) 2,4-Dichlorophenol        | 9.934  | 162 | 42054  | 10.243 | ng/ul  | 95 |
| 30) Naphthalene               | 10.316 | 128 | 133807 | 9.844  | ng/ul  | 99 |
| 32) 4-Chloroaniline           | 10.451 | 127 | 61878  | 10.260 | ng/ul  | 98 |
| 33) Hexachlorobutadiene       | 10.593 | 225 | 29345  | 10.514 | ng/ul  | 94 |
| 34) Caprolactam               | 11.245 | 113 | 12482m | 10.510 | ng/ul  | 94 |
| 35) 4-Chloro-3-methylphenol   | 11.581 | 107 | 44875  | 10.785 | ng/ul  | 98 |

Handwritten note: 34 sp2) 2)

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 36) 2-Methylnaphthalene       | 11.939 | 142  | 105344   | 10.870 | ng/ul  | 97       |
| 37) 1-Methylnaphthalene       | 12.163 | 142  | 106880   | 10.879 | ng/ul  | 96       |
| 39) 1,2,4,5-Tetrachloroben... | 12.316 | 216  | 58524    | 9.435  | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 12.281 | 237  | 21588    | 5.726  | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.575 | 196  | 37712    | 9.637  | ng/ul  | 92       |
| 42) 2,4,5-Trichlorophenol     | 12.645 | 196  | 42207    | 10.176 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 12.975 | 154  | 142353   | 9.554  | ng/ul  | 97       |
| 44) 2-Chloronaphthalene       | 13.010 | 162  | 115373   | 9.894  | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.239 | 65   | 28944    | 8.834  | ng/ul  | 96       |
| 47) Dimethylphthalate         | 13.622 | 163  | 152653   | 10.884 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 13.751 | 165  | 27198    | 10.069 | ng/ul  | 98       |
| 50) Acenaphthylene            | 13.869 | 152  | 166319   | 9.845  | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.081 | 138  | 24027    | 8.514  | ng/ul  | 97       |
| 52) Acenaphthene              | 14.216 | 153  | 122850   | 9.968  | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.304 | 184  | 14132    | 8.780  | ng/ul  | 95       |
| 55) 4-Nitrophenol             | 14.404 | 109  | 21829    | 10.323 | ng/ul  | 85       |
| 56) Dibenzofuran              | 14.557 | 168  | 181667   | 10.469 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 14.545 | 165  | 42137    | 11.189 | ng/ul# | 76       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.792 | 232  | 37509    | 10.876 | ng/ul# | 100      |
| 59) Diethylphthalate          | 14.998 | 149  | 155733   | 11.188 | ng/ul  | 99       |
| 61) Fluorene                  | 15.210 | 166  | 152448   | 10.666 | ng/ul  | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.210 | 204  | 78650    | 10.934 | ng/ul  | 97       |
| 63) 4-Nitroaniline            | 15.257 | 138  | 21741    | 8.087  | ng/ul# | 81       |
| 66) 4,6-Dinitro-2-methylph... | 15.310 | 198  | 24869    | 8.575  | ng/ul# | 87       |
| 67) N-Nitrosodiphenylamine    | 15.433 | 169  | 132162   | 9.463  | ng/ul  | 96       |
| 68) 4-Bromophenyl-phenylether | 16.110 | 248  | 47044    | 9.534  | ng/ul  | 96       |
| 69) Hexachlorobenzene         | 16.210 | 284  | 53415    | 9.538  | ng/ul  | 97       |
| 70) Atrazine                  | 16.398 | 200  | 49129    | 9.876  | ng/ul  | 99       |
| 71) Pentachlorophenol         | 16.569 | 266  | 30287    | 8.900  | ng/ul  | 97       |
| 72) Phenanthrene              | 16.951 | 178  | 252859   | 10.115 | ng/ul  | 98       |
| 74) Anthracene                | 17.039 | 178  | 255387   | 9.943  | ng/ul  | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 12.934 | 216  | 61036    | 8.403  | ng/ul  | 97       |
| 76) Pentachlorobenzene        | 14.469 | 250  | 63097    | 8.878  | ng/ul  | 100      |
| 77) Carbazole                 | 17.321 | 167  | 223105   | 9.992  | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 17.892 | 149  | 259240   | 10.074 | ng/ul  | 99       |
| 80) Fluoranthene              | 18.974 | 202  | 305187   | 8.182  | ng/ul# | 95       |
| 82) Pyrene                    | 19.339 | 202  | 329145   | 8.514  | ng/ul  | 95       |
| 83) Butylbenzylphthalate      | 20.262 | 149  | 119130   | 9.015  | ng/ul  | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.045 | 252  | 107833   | 10.774 | ng/ul  | 95       |
| 85) Benzo(a)anthracene        | 21.098 | 228  | 342287   | 9.981  | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.045 | 149  | 195903   | 10.056 | ng/ul# | 96       |
| 87) Chrysene                  | 21.151 | 228  | 332367   | 9.850  | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 21.898 | 149  | 349682   | 9.190  | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 22.615 | 252  | 400489   | 10.147 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 22.656 | 252  | 358850   | 9.354  | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 23.156 | 252  | 349802   | 10.015 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 25.356 | 276  | 452923   | 10.427 | ng/ul# | 94       |
| 95) Dibenzo(a,h)anthracene    | 25.362 | 278  | 383051   | 10.517 | ng/ul  | 96       |
| 96) Benzo(g,h,i)perylene      | 25.992 | 276  | 383669   | 11.017 | ng/ul  | 95       |

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