

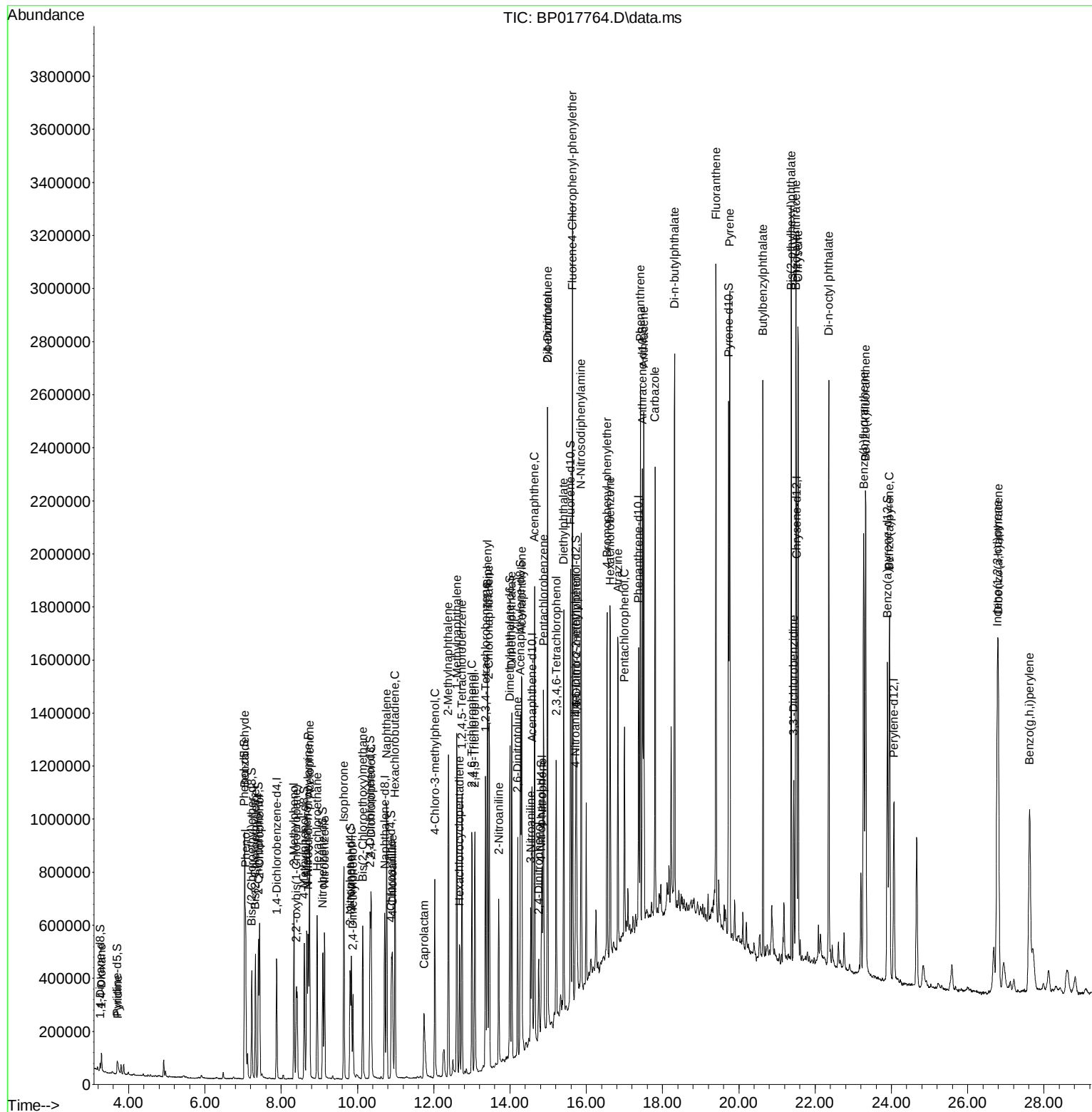
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP102323\  
 Data File : BP017764.D  
 Acq On : 23 Oct 2023 23:24  
 Operator : MA/JU  
 Sample : 04926-04MSD  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 GCCY9MSD

Manual IntegrationsAPPROVED

Quant Time: Oct 24 06:26:36 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP101823.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Oct 19 01:32:15 2023  
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/24/2023  
 Supervised By :mohammad ahmed 10/25/2023



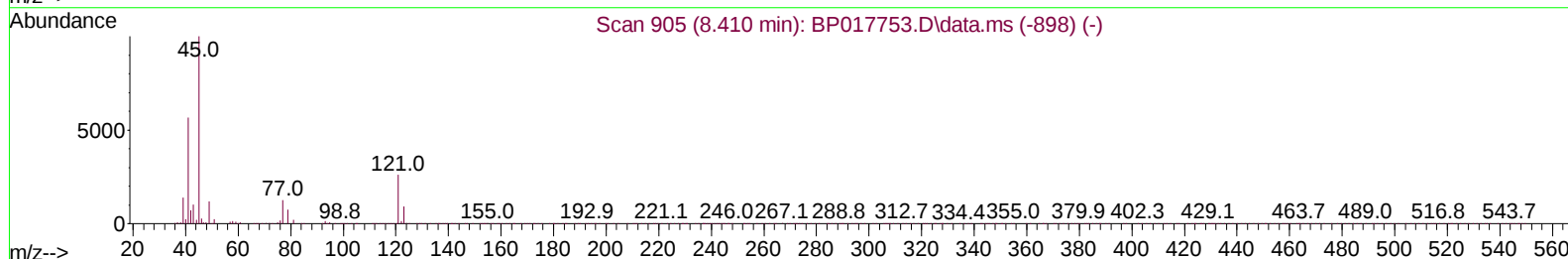
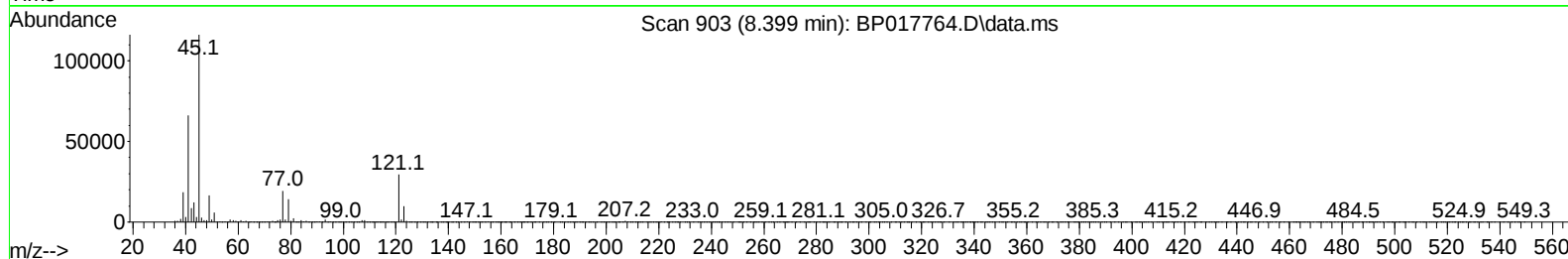
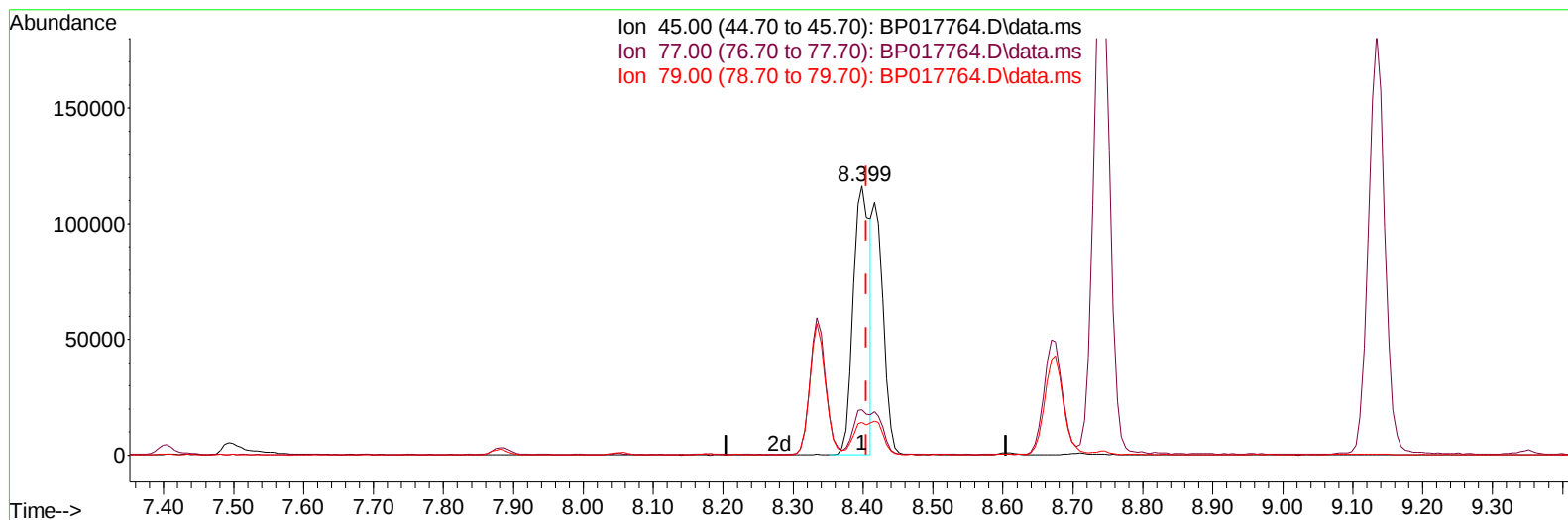
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TIC: BP017764.D\data.ms

(14) 2,2'-oxybis(1-Chloropropane)

8.399min (-0.006) 20.17 ng/u1

response 194715

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 45.00 | 100.00 | 100.00 |
| 77.00 | 17.80  | 16.78  |
| 79.00 | 12.90  | 12.17  |
| 0.00  | 0.00   | 0.00   |

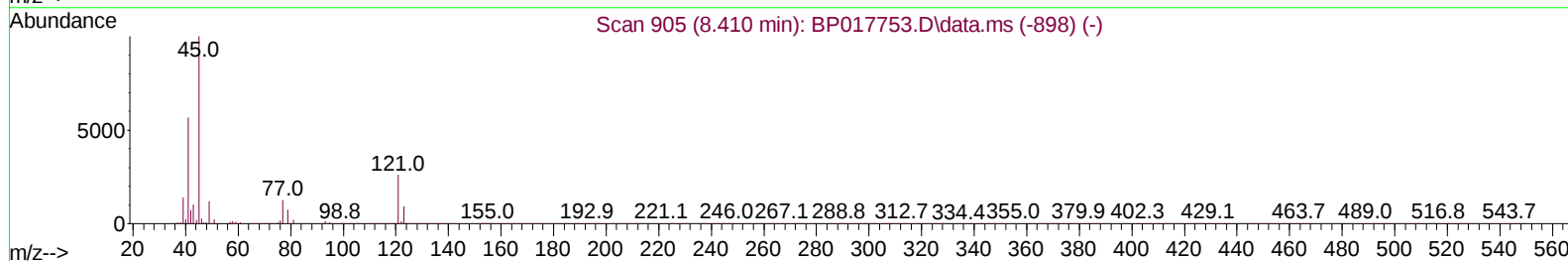
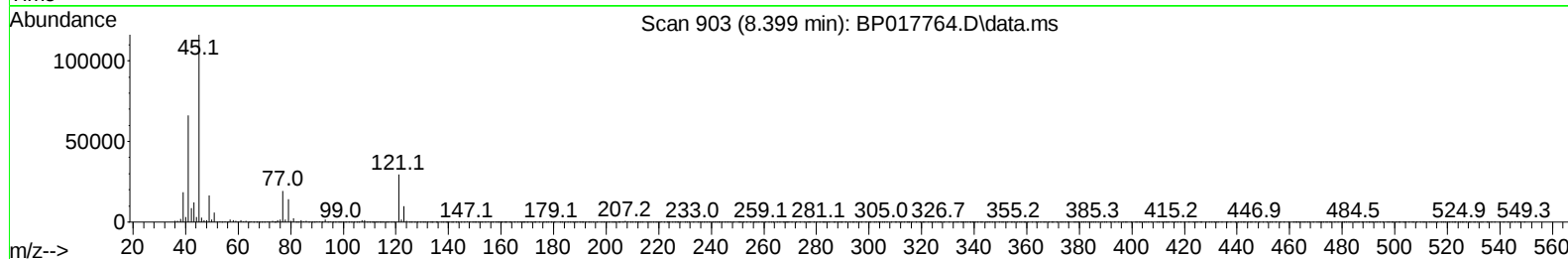
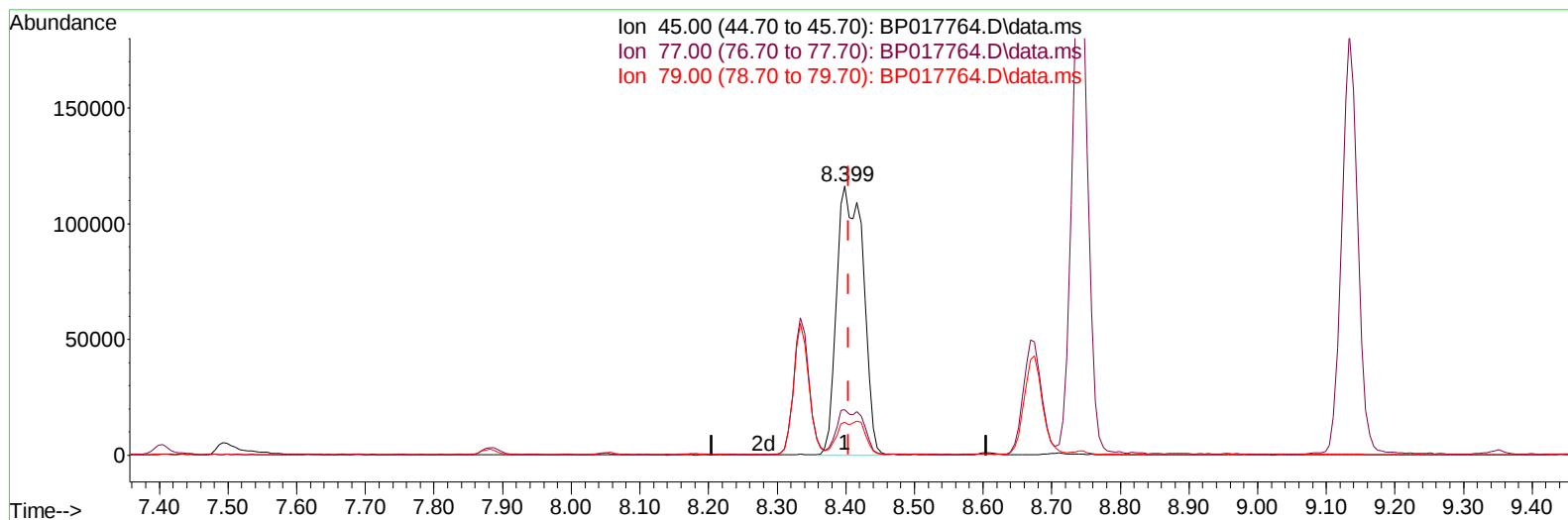
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TIC: BP017764.D\data.ms

(14) 2,2'-oxybis(1-Chloropropane)

8.399min (-0.006) 32.14 ng/ul m

response 310285

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 45.00 | 100.00 | 100.00 |
| 77.00 | 17.80  | 16.78  |
| 79.00 | 12.90  | 12.17  |
| 0.00  | 0.00   | 0.00   |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.881  | 152  | 114578   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.716 | 136  | 475525   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.581 | 164  | 297266   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.369 | 188  | 605897   | 20.000 | ng/ul  | # 0.00   |
| 79) Chrysene-d12              | 21.516 | 240  | 492956   | 20.000 | ng/ul  | 0.00     |
| 88) Perylene-d12              | 24.068 | 264  | 500464   | 20.000 | ng/ul  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.252  | 96   | 15179    | 4.928  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.699  | 84   | 24256    | 3.008  | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.040  | 99   | 260969   | 27.371 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.228  | 67   | 169150   | 28.726 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.405  | 132  | 215853   | 27.757 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.605  | 113  | 186265   | 24.877 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.093  | 128  | 102868   | 26.697 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.804  | 143  | 116460   | 27.355 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.334 | 165  | 218466   | 26.159 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.887 | 131  | 212763   | 19.467 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.998 | 166  | 700413   | 28.068 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.275 | 160  | 788719   | 28.341 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.822 | 143  | 89967    | 25.302 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.587 | 176  | 595729   | 27.617 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.734 | 200  | 100557   | 25.196 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.475 | 188  | 897651   | 28.991 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.733 | 212  | 1011539  | 32.730 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.898 | 264  | 838171   | 30.070 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.287  | 88   | 38076    | 11.655 | ng/uL  | 96       |
| 5) Pyridine                   | 3.717  | 79   | 19606    | 2.373  | ng/ul# | 85       |
| 6) Benzaldehyde               | 7.046  | 77   | 155954   | 30.406 | ng/ul  | 95       |
| 8) Phenol                     | 7.069  | 94   | 300227   | 31.936 | ng/ul  | 100      |
| 10) Bis(2-Chloroethyl)ether   | 7.322  | 93   | 238908   | 30.461 | ng/ul  | 97       |
| 12) 2-Chlorophenol            | 7.434  | 128  | 232792   | 29.805 | ng/ul  | 98       |
| 13) 2-Methylphenol            | 8.334  | 108  | 198164   | 27.930 | ng/ul  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.399  | 45   | 310285m  | 32.141 | ng/ul  |          |
| 16) Acetophenone              | 8.740  | 105  | 427330   | 36.302 | ng/ul  | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.705  | 70   | 187171   | 33.523 | ng/ul  | 96       |
| 18) 4-Methylphenol            | 8.669  | 108  | 222360   | 29.512 | ng/ul  | 96       |
| 19) Hexachloroethane          | 8.946  | 117  | 109440   | 30.495 | ng/ul  | 85       |
| 22) Nitrobenzene              | 9.134  | 77   | 295656   | 30.816 | ng/ul  | 99       |
| 23) Isophorone                | 9.646  | 82   | 542997   | 31.649 | ng/ul  | 98       |
| 25) 2-Nitrophenol             | 9.840  | 139  | 131797   | 29.002 | ng/ul  | 95       |
| 26) 2,4-Dimethylphenol        | 9.881  | 107  | 102921   | 11.539 | ng/ul  | 100      |
| 27) Bis(2-Chloroethoxy)met... | 10.140 | 93   | 320915   | 30.243 | ng/ul  | 99       |
| 29) 2,4-Dichlorophenol        | 10.363 | 162  | 227444   | 28.480 | ng/ul  | 97       |
| 30) Naphthalene               | 10.763 | 128  | 805903   | 29.449 | ng/ul  | 100      |
| 32) 4-Chloroaniline           | 10.916 | 127  | 215149   | 20.557 | ng/ul  | 99       |
| 33) Hexachlorobutadiene       | 10.987 | 225  | 167632   | 25.852 | ng/ul  | 97       |
| 34) Caprolactam               | 11.746 | 113  | 72002    | 35.015 | ng/ul  | 89       |
| 35) 4-Chloro-3-methylphenol   | 12.028 | 107  | 253044   | 33.657 | ng/ul  | 95       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 36) 2-Methylnaphthalene       | 12.387 | 142  | 559007   | 30.241 | ng/ul  | 99       |
| 37) 1-Methylnaphthalene       | 12.604 | 142  | 551029   | 29.148 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.740 | 216  | 301611   | 27.420 | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 12.681 | 237  | 120359   | 19.045 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.998 | 196  | 198280   | 30.036 | ng/ul  | 100      |
| 42) 2,4,5-Trichlorophenol     | 13.075 | 196  | 214510   | 31.430 | ng/ul  | 97       |
| 43) 1,1'-Biphenyl             | 13.404 | 154  | 741270   | 30.268 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.451 | 162  | 585654   | 29.582 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.704 | 65   | 165800   | 36.854 | ng/ul  | 94       |
| 47) Dimethylphthalate         | 14.045 | 163  | 746115   | 30.337 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.198 | 165  | 146282   | 32.314 | ng/ul  | 95       |
| 50) Acenaphthylene            | 14.310 | 152  | 951752   | 30.531 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.540 | 138  | 120116   | 27.899 | ng/ul  | 100      |
| 52) Acenaphthene              | 14.645 | 153  | 630279   | 29.909 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.751 | 184  | 63014    | 24.797 | ng/ul  | 86       |
| 55) 4-Nitrophenol             | 14.839 | 109  | 117722   | 31.276 | ng/ul  | 95       |
| 56) Dibenzofuran              | 14.987 | 168  | 877987   | 29.675 | ng/ul  | 97       |
| 57) 2,4-Dinitrotoluene        | 14.987 | 165  | 218611   | 32.721 | ng/ul  | 94       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.210 | 232  | 170944   | 28.224 | ng/ul# | 88       |
| 59) Diethylphthalate          | 15.410 | 149  | 766959   | 32.298 | ng/ul  | 99       |
| 61) Fluorene                  | 15.639 | 166  | 738868   | 30.402 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.634 | 204  | 362843   | 28.089 | ng/ul  | 93       |
| 63) 4-Nitroaniline            | 15.722 | 138  | 106161   | 27.338 | ng/ul  | 97       |
| 66) 4,6-Dinitro-2-methylph... | 15.745 | 198  | 124826   | 29.201 | ng/ul# | 86       |
| 67) N-Nitrosodiphenylamine    | 15.863 | 169  | 605411   | 32.982 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.545 | 248  | 202377   | 28.547 | ng/ul# | 89       |
| 69) Hexachlorobenzene         | 16.628 | 284  | 211243   | 25.955 | ng/ul# | 88       |
| 70) Atrazine                  | 16.828 | 200  | 200630   | 29.739 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 16.998 | 266  | 122202   | 24.974 | ng/ul  | 99       |
| 72) Phenanthrene              | 17.416 | 178  | 1141642  | 32.165 | ng/ul  | 100      |
| 74) Anthracene                | 17.510 | 178  | 1131137  | 31.465 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.357 | 216  | 292036   | 28.726 | ng/uL  | 97       |
| 76) Pentachlorobenzene        | 14.875 | 250  | 255460   | 25.927 | ng/uL  | 99       |
| 77) Carbazole                 | 17.804 | 167  | 1017590  | 33.493 | ng/ul  | 98       |
| 78) Di-n-butylphthalate       | 18.316 | 149  | 1337108  | 37.907 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.398 | 202  | 1293319  | 36.422 | ng/ul# | 95       |
| 82) Pyrene                    | 19.763 | 202  | 1338464  | 35.579 | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.633 | 149  | 583544   | 45.099 | ng/ul  | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.439 | 252  | 194491   | 17.463 | ng/ul# | 98       |
| 85) Benzo(a)anthracene        | 21.498 | 228  | 1253022  | 33.436 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.374 | 149  | 908170   | 50.280 | ng/ul# | 98       |
| 87) Chrysene                  | 21.551 | 228  | 1157511  | 32.662 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.357 | 149  | 1427889  | 45.043 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.274 | 252  | 1152321  | 33.832 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.327 | 252  | 1152480  | 33.386 | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 23.951 | 252  | 1061674  | 33.203 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.780 | 276  | 1232238  | 32.334 | ng/ul# | 94       |
| 95) Dibenzo(a,h)anthracene    | 26.804 | 278  | 1019200  | 32.053 | ng/ul# | 96       |
| 96) Benzo(g,h,i)perylene      | 27.621 | 276  | 921507   | 30.012 | ng/ul# | 94       |

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