

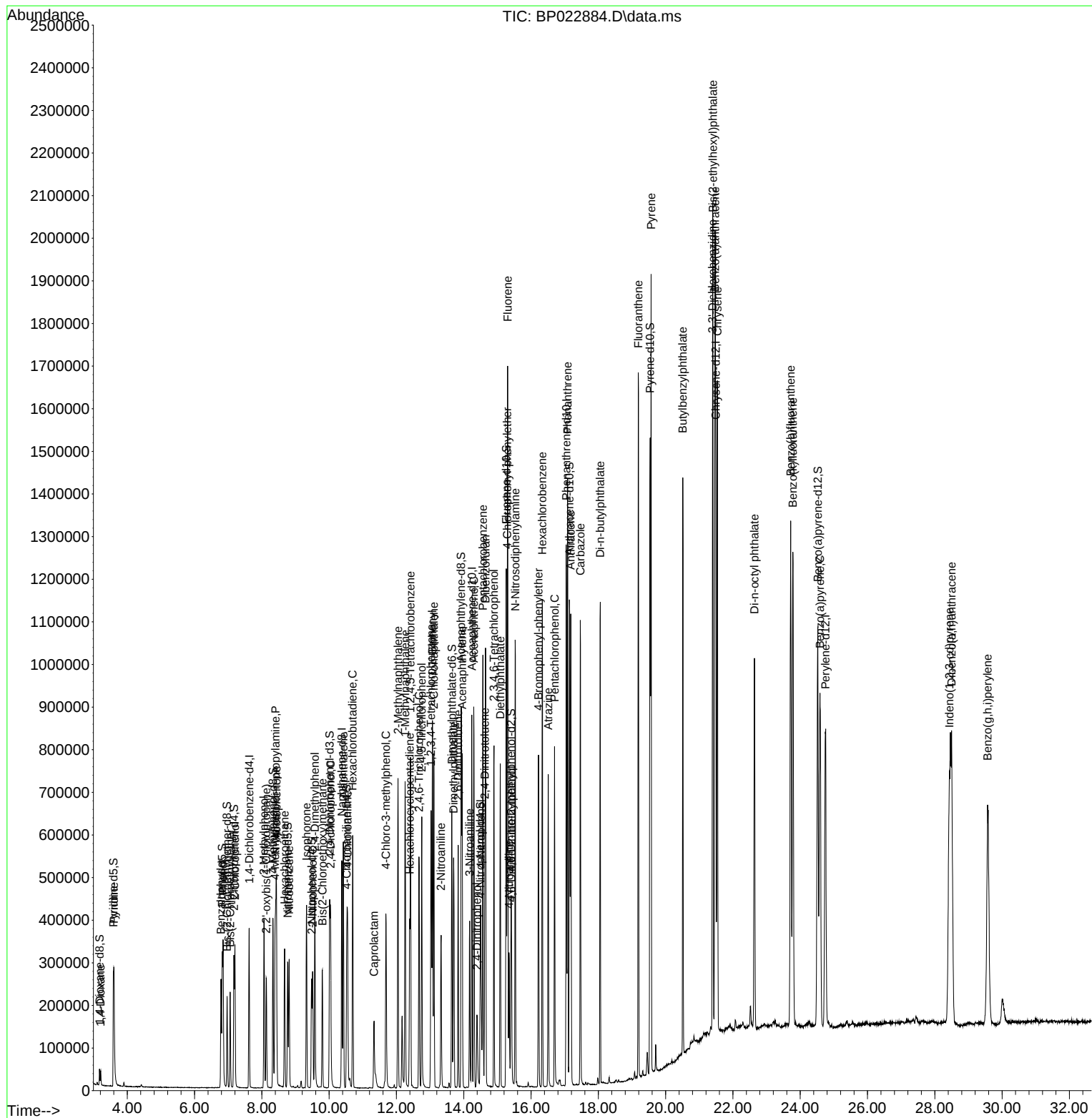
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP110424\  
Data File : BP022884.D  
Acq On : 06 Nov 2024 08:24  
Operator : RC/JU  
Sample : SSTDCCC020  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
BNA\_P  
ClientSampleId :  
SSTD020702

Quant Time: Nov 06 08:50:49 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP100724.MA.M  
Quant Title : SVOA CALIBRATION  
QLast Update : Wed Nov 06 00:31:03 2024  
Response via : Initial Calibration

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/06/2024  
Supervised By :mohammad ahmed 11/08/2024



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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.622  | 152  | 94698    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.375 | 136  | 369514   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.240 | 164  | 290087   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.045 | 188  | 712412   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.492 | 240  | 753475   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.751 | 264  | 875367m  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.175  | 96   | 17014    | 6.982  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.587  | 84   | 129359   | 19.336 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.822  | 99   | 160380   | 20.119 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 6.964  | 67   | 90916    | 19.405 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.169  | 132  | 121435   | 21.469 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.328  | 113  | 131035   | 20.598 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.769  | 128  | 60815    | 21.405 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.481  | 143  | 73000    | 22.193 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.016 | 165  | 157584   | 22.540 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.522 | 131  | 169272   | 20.491 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.646 | 166  | 462568   | 20.070 | ng/u1  | -0.02    |
| 49) Acenaphthylene-d8         | 13.922 | 160  | 529365   | 21.625 | ng/u1  | -0.01    |
| 54) 4-Nitrophenol-d4          | 14.493 | 143  | 70790    | 18.308 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.263 | 176  | 435960   | 21.808 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.404 | 200  | 75004    | 16.008 | ng/u1  | -0.01    |
| 73) Anthracene-d10            | 17.139 | 188  | 719259   | 21.462 | ng/u1  | -0.02    |
| 81) Pyrene-d10                | 19.539 | 212  | 909355   | 22.822 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.521 | 264  | 1027868  | 21.987 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.211  | 88   | 17127    | 6.536  | ng/uL  | 96       |
| 5) Pyridine                   | 3.605  | 79   | 131146   | 19.119 | ng/u1  | 97       |
| 6) Benzaldehyde               | 6.787  | 77   | 89370    | 20.746 | ng/u1  | 97       |
| 8) Phenol                     | 6.846  | 94   | 168216   | 20.283 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.058  | 93   | 120790   | 19.461 | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.199  | 128  | 125747   | 21.499 | ng/u1  | 95       |
| 13) 2-Methylphenol            | 8.063  | 108  | 125030   | 20.773 | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.128  | 45   | 136848   | 18.971 | ng/u1  | 99       |
| 16) Acetophenone              | 8.434  | 105  | 216980   | 20.660 | ng/u1  | 96       |
| 17) N-Nitroso-di-n-propyla... | 8.411  | 70   | 106434   | 20.003 | ng/u1  | 97       |
| 18) 4-Methylphenol            | 8.393  | 108  | 137570   | 20.603 | ng/u1  | 93       |
| 19) Hexachloroethane          | 8.675  | 117  | 54074    | 19.851 | ng/u1  | 95       |
| 22) Nitrobenzene              | 8.810  | 77   | 172764   | 20.371 | ng/u1  | 97       |
| 23) Isophorone                | 9.328  | 82   | 295529   | 19.435 | ng/u1  | 97       |
| 25) 2-Nitrophenol             | 9.510  | 139  | 76740    | 21.647 | ng/u1  | 97       |
| 26) 2,4-Dimethylphenol        | 9.575  | 107  | 164729   | 21.379 | ng/u1  | 96       |
| 27) Bis(2-Chloroethoxy)met... | 9.799  | 93   | 164302   | 19.030 | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 10.040 | 162  | 152449   | 22.143 | ng/u1  | 99       |
| 30) Naphthalene               | 10.422 | 128  | 412093   | 20.938 | ng/u1  | 98       |
| 32) 4-Chloroaniline           | 10.546 | 127  | 167923   | 20.593 | ng/u1  | 97       |
| 33) Hexachlorobutadiene       | 10.699 | 225  | 126023   | 21.718 | ng/u1  | 100      |
| 34) Caprolactam               | 11.334 | 113  | 43146m   | 19.439 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.687 | 107  | 161878   | 21.550 | ng/u1  | 97       |
| 36) 2-Methylnaphthalene       | 12.046 | 142  | 311655   | 21.572 | ng/u1  | 96       |

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|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.257 | 142  | 312955   | 21.223 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.416 | 216  | 238107   | 22.199 | ng/ul  | 95       |
| 40) Hexachlorocyclopentadiene | 12.393 | 237  | 105195   | 16.097 | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol     | 12.669 | 196  | 149511   | 22.160 | ng/ul  | 97       |
| 42) 2,4,5-Trichlorophenol     | 12.751 | 196  | 163608   | 22.774 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.069 | 154  | 440252   | 21.055 | ng/ul  | 97       |
| 44) 2-Chloronaphthalene       | 13.110 | 162  | 370712   | 21.658 | ng/ul  | 97       |
| 45) 2-Nitroaniline            | 13.328 | 65   | 106181   | 20.775 | ng/ul  | 94       |
| 47) Dimethylphthalate         | 13.698 | 163  | 455559   | 19.836 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 13.834 | 165  | 97346    | 22.409 | ng/ul  | 98       |
| 50) Acenaphthylene            | 13.951 | 152  | 533486   | 20.998 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.175 | 138  | 83013    | 20.346 | ng/ul  | 91       |
| 52) Acenaphthene              | 14.298 | 153  | 380737   | 21.193 | ng/ul  | 99       |
| 53) 2,4-Dinitrophenol         | 14.393 | 184  | 57026    | 17.842 | ng/ul  | 96       |
| 55) 4-Nitrophenol             | 14.504 | 109  | 84195    | 19.619 | ng/ul  | 94       |
| 56) Dibenzofuran              | 14.645 | 168  | 579453   | 21.472 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 14.628 | 165  | 146714   | 21.735 | ng/ul  | 99       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.898 | 232  | 147077   | 21.934 | ng/ul  | 97       |
| 59) Diethylphthalate          | 15.087 | 149  | 446033   | 20.243 | ng/ul  | 99       |
| 61) Fluorene                  | 15.304 | 166  | 462601   | 21.038 | ng/ul  | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.292 | 204  | 269879   | 21.463 | ng/ul  | 99       |
| 63) 4-Nitroaniline            | 15.345 | 138  | 88311m   | 21.510 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.422 | 198  | 79497    | 15.752 | ng/ul  | 100      |
| 67) N-Nitrosodiphenylamine    | 15.534 | 169  | 403090   | 21.129 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.222 | 248  | 193736   | 22.551 | ng/ul  | 95       |
| 69) Hexachlorobenzene         | 16.334 | 284  | 242171   | 22.901 | ng/ul  | 99       |
| 70) Atrazine                  | 16.510 | 200  | 167568   | 21.131 | ng/ul  | 95       |
| 71) Pentachlorophenol         | 16.698 | 266  | 145666   | 21.423 | ng/ul  | 96       |
| 72) Phenanthrene              | 17.087 | 178  | 813045   | 21.332 | ng/ul  | 99       |
| 74) Anthracene                | 17.181 | 178  | 811462   | 21.334 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.028 | 216  | 240000   | 22.125 | ng/uL  | 99       |
| 76) Pentachlorobenzene        | 14.569 | 250  | 268367   | 22.380 | ng/uL  | 99       |
| 77) Carbazole                 | 17.463 | 167  | 702122   | 20.862 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.057 | 149  | 777277   | 20.872 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.192 | 202  | 1042572  | 22.760 | ng/ul# | 96       |
| 82) Pyrene                    | 19.569 | 202  | 1092439  | 22.251 | ng/ul  | 96       |
| 83) Butylbenzylphthalate      | 20.510 | 149  | 369281   | 21.604 | ng/ul  | 95       |
| 84) 3,3'-Dichlorobenzidine    | 21.392 | 252  | 350099   | 19.492 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.469 | 228  | 1123608  | 21.272 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.404 | 149  | 509530   | 20.767 | ng/ul  | 99       |
| 87) Chrysene                  | 21.539 | 228  | 1027020  | 20.969 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.639 | 149  | 873451   | 20.977 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.716 | 252  | 1208736  | 21.937 | ng/ul# | 98       |
| 91) Benzo(k)fluoranthene      | 23.780 | 252  | 1156988  | 21.447 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.586 | 252  | 1063495  | 20.971 | ng/ul# | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 28.433 | 276  | 1437326m | 21.239 | ng/ul  |          |
| 95) Dibenzo(a,h)anthracene    | 28.498 | 278  | 1133879  | 20.691 | ng/ul# | 98       |
| 96) Benzo(g,h,i)perylene      | 29.568 | 276  | 1082358m | 20.562 | ng/ul  |          |

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