

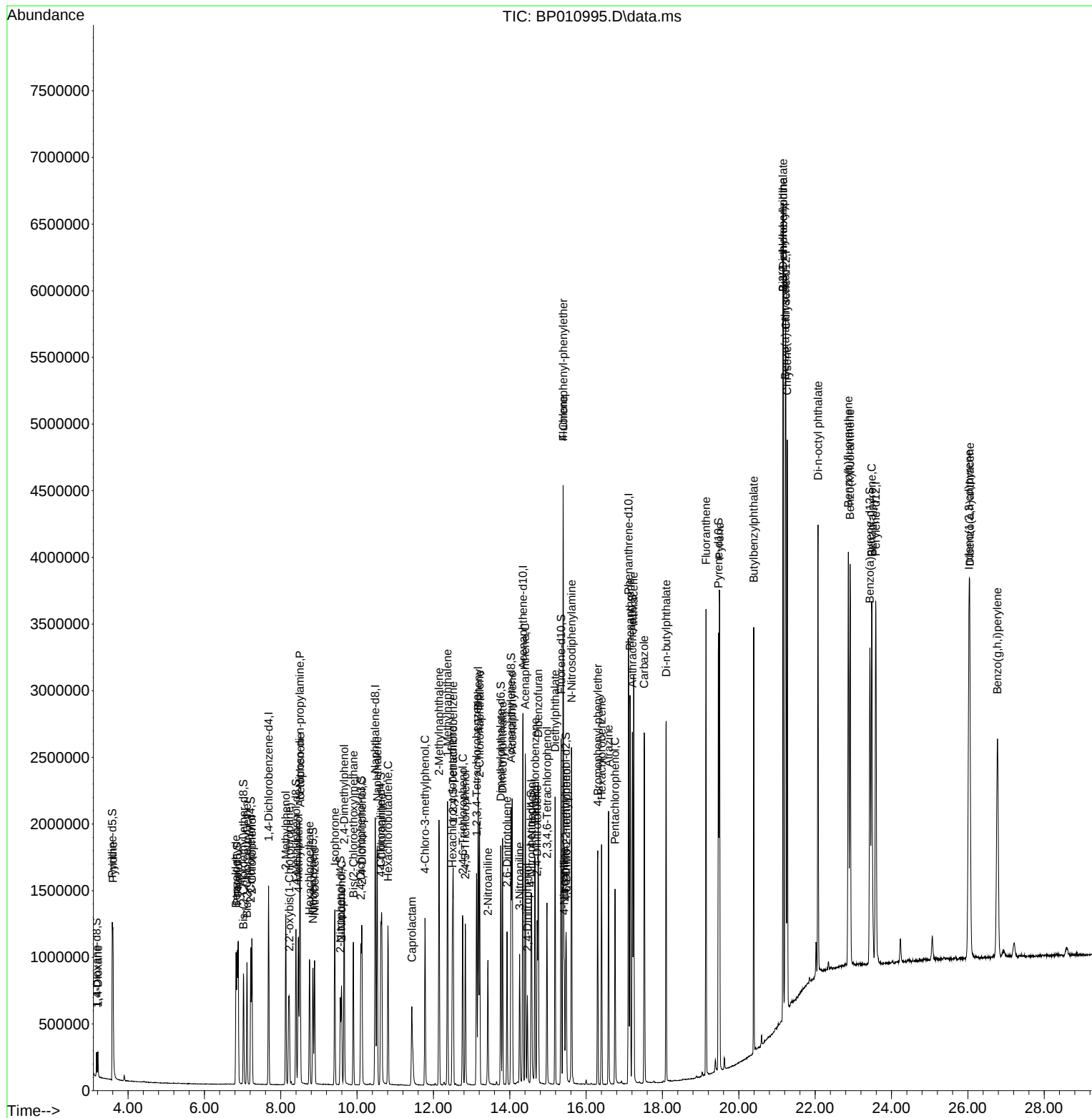
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP071822\  
 Data File : BP010995.D  
 Acq On : 18 Jul 2022 16:26  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020701

Quant Time: Jul 19 00:45:53 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071422.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jul 14 15:34:34 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 07/19/2022  
 Supervised By :mohammad ahmed 07/20/2022



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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.681  | 152  | 376451   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.475 | 136  | 1579913  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.345 | 164  | 895776   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.110 | 188  | 1797534  | 20.000 | ng/u1  | # 0.00   |
| 79) Chrysene-d12              | 21.233 | 240  | 1763592  | 20.000 | ng/u1  | # 0.00   |
| 88) Perylene-d12              | 23.586 | 264  | 1848541  | 20.000 | ng/u1  | -0.01    |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.175  | 96   | 75812    | 7.260  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.587  | 84   | 472491   | 17.506 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.858  | 99   | 516567   | 16.717 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.022  | 67   | 353876   | 17.809 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.216  | 132  | 445610   | 17.846 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.399  | 113  | 417857   | 16.891 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.846  | 128  | 199984   | 17.369 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.563  | 143  | 189196   | 16.607 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.099 | 165  | 359552   | 17.257 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.622 | 131  | 571902   | 16.650 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.763 | 166  | 1084535  | 17.714 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.034 | 160  | 1303780  | 18.049 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.557 | 143  | 196519   | 15.860 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.345 | 176  | 923844   | 17.753 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.469 | 200  | 136138   | 15.305 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.210 | 188  | 1368960  | 17.914 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.469 | 212  | 1573548  | 16.989 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.433 | 264  | 1569264  | 17.675 | ng/u1  | -0.02    |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.211  | 88   | 79048    | 7.215  | ng/uL# | 84       |
| 5) Pyridine                   | 3.605  | 79   | 494919   | 17.793 | ng/u1# | 78       |
| 6) Benzaldehyde               | 6.828  | 77   | 327940   | 21.848 | ng/u1  | 98       |
| 8) Phenol                     | 6.887  | 94   | 556720   | 16.949 | ng/u1# | 85       |
| 10) Bis(2-Chloroethyl)ether   | 7.116  | 93   | 462092   | 17.726 | ng/u1  | 91       |
| 12) 2-Chlorophenol            | 7.246  | 128  | 464719   | 18.005 | ng/u1  | 92       |
| 13) 2-Methylphenol            | 8.134  | 108  | 410952   | 16.918 | ng/u1  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.222  | 45   | 647912   | 18.172 | ng/u1# | 98       |
| 16) Acetophenone              | 8.510  | 105  | 665345   | 17.766 | ng/u1# | 88       |
| 17) N-Nitroso-di-n-propyla... | 8.499  | 70   | 335880   | 17.875 | ng/u1  | 91       |
| 18) 4-Methylphenol            | 8.463  | 108  | 441317   | 17.016 | ng/u1  | 99       |
| 19) Hexachloroethane          | 8.752  | 117  | 186271   | 18.237 | ng/u1# | 77       |
| 22) Nitrobenzene              | 8.887  | 77   | 489157   | 18.066 | ng/u1  | 93       |
| 23) Isophorone                | 9.416  | 82   | 887425   | 17.512 | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 9.593  | 139  | 218366   | 17.076 | ng/u1# | 84       |
| 26) 2,4-Dimethylphenol        | 9.663  | 107  | 479203   | 17.720 | ng/u1  | 96       |
| 27) Bis(2-Chloroethoxy)met... | 9.904  | 93   | 580031   | 17.296 | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 10.128 | 162  | 372740   | 17.284 | ng/u1  | 99       |
| 30) Naphthalene               | 10.528 | 128  | 1451365  | 18.027 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.646 | 127  | 579679   | 17.062 | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 10.810 | 225  | 221362   | 17.634 | ng/u1  | 96       |
| 34) Caprolactam               | 11.434 | 113  | 150861   | 19.961 | ng/u1  | 91       |
| 35) 4-Chloro-3-methylphenol   | 11.781 | 107  | 412745   | 16.936 | ng/u1  | 95       |
| 36) 2-Methylnaphthalene       | 12.146 | 142  | 920894   | 17.644 | ng/u1  | 100      |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.369 | 142  | 925223   | 17.685 | ng/ul# | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.516 | 216  | 412990   | 17.481 | ng/ul# | 98       |
| 40) Hexachlorocyclopentadiene | 12.498 | 237  | 248034   | 16.950 | ng/ul  | 95       |
| 41) 2,4,6-Trichlorophenol     | 12.769 | 196  | 257542   | 16.553 | ng/ul  | 97       |
| 42) 2,4,5-Trichlorophenol     | 12.834 | 196  | 284834   | 17.130 | ng/ul  | 97       |
| 43) 1,1'-Biphenyl             | 13.175 | 154  | 1181172m | 17.672 | ng/ul  |          |
| 44) 2-Chloronaphthalene       | 13.210 | 162  | 892216   | 17.772 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.428 | 65   | 248444m  | 16.986 | ng/ul  |          |
| 47) Dimethylphthalate         | 13.810 | 163  | 1081969  | 17.514 | ng/ul  | 98       |
| 48) 2,6-Dinitrotoluene        | 13.928 | 165  | 192146   | 17.180 | ng/ul  | 98       |
| 50) Acenaphthylene            | 14.063 | 152  | 1473382  | 18.178 | ng/ul  | 98       |
| 51) 3-Nitroaniline            | 14.257 | 138  | 222873   | 16.586 | ng/ul  | 94       |
| 52) Acenaphthene              | 14.404 | 153  | 946701   | 17.631 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.463 | 184  | 113837   | 17.397 | ng/ul  | 89       |
| 55) 4-Nitrophenol             | 14.569 | 109  | 181426   | 19.124 | ng/ul# | 76       |
| 56) Dibenzofuran              | 14.745 | 168  | 1324652  | 17.878 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 14.716 | 165  | 285470   | 17.894 | ng/ul  | 88       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.975 | 232  | 219514   | 16.858 | ng/ul# | 86       |
| 59) Diethylphthalate          | 15.187 | 149  | 1097606  | 17.301 | ng/ul  | 98       |
| 61) Fluorene                  | 15.398 | 166  | 1054807  | 17.740 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.398 | 204  | 484433   | 17.697 | ng/ul  | 94       |
| 63) 4-Nitroaniline            | 15.428 | 138  | 230072m  | 18.630 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.481 | 198  | 141194   | 15.473 | ng/ul  | 98       |
| 67) N-Nitrosodiphenylamine    | 15.616 | 169  | 901723   | 17.561 | ng/ul  | 99       |
| 68) 4-Bromophenyl-phenylether | 16.304 | 248  | 279525   | 17.242 | ng/ul  | 98       |
| 69) Hexachlorobenzene         | 16.404 | 284  | 326446   | 17.350 | ng/ul# | 92       |
| 70) Atrazine                  | 16.586 | 200  | 305571   | 17.203 | ng/ul  | 97       |
| 71) Pentachlorophenol         | 16.757 | 266  | 204874   | 17.680 | ng/ul  | 99       |
| 72) Phenanthrene              | 17.151 | 178  | 1655008  | 17.672 | ng/ul  | 99       |
| 74) Anthracene                | 17.245 | 178  | 1682017  | 18.056 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.134 | 216  | 430177   | 16.717 | ng/ul  | 98       |
| 76) Pentachlorobenzene        | 14.663 | 250  | 393404   | 17.440 | ng/ul  | 99       |
| 77) Carbazole                 | 17.522 | 167  | 1559041  | 17.881 | ng/ul  | 100      |
| 78) Di-n-butylphthalate       | 18.098 | 149  | 1810436  | 16.612 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.139 | 202  | 1917081  | 17.697 | ng/ul# | 87       |
| 82) Pyrene                    | 19.498 | 202  | 1980479  | 17.719 | ng/ul# | 86       |
| 83) Butylbenzylphthalate      | 20.392 | 149  | 812846   | 16.302 | ng/ul  | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.157 | 252  | 570326   | 18.264 | ng/ul# | 98       |
| 85) Benzo(a)anthracene        | 21.216 | 228  | 1911246  | 17.795 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.157 | 149  | 1235036  | 16.601 | ng/ul# | 95       |
| 87) Chrysene                  | 21.269 | 228  | 1877786  | 17.806 | ng/ul  | 100      |
| 89) Di-n-octyl phthalate      | 22.074 | 149  | 2072227  | 16.715 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 22.869 | 252  | 1998290  | 17.507 | ng/ul# | 95       |
| 91) Benzo(k)fluoranthene      | 22.916 | 252  | 1911486  | 17.829 | ng/ul# | 93       |
| 93) Benzo(a)pyrene            | 23.480 | 252  | 1947337  | 17.765 | ng/ul# | 95       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.027 | 276  | 2272593  | 17.840 | ng/ul# | 88       |
| 95) Dibenzo(a,h)anthracene    | 26.051 | 278  | 1957571  | 17.759 | ng/ul# | 90       |
| 96) Benzo(g,h,i)perylene      | 26.774 | 276  | 1943903  | 17.917 | ng/ul# | 86       |

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