

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP050123\  
 Data File : BP014915.D  
 Acq On : 01 May 2023 15:17  
 Operator : CG/JU  
 Sample : 02528-06MS  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 HOA37MS

Quant Time: May 02 00:40:40 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP042823.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Apr 29 00:40:33 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : Christian Giraldo 05/02/2023  
 Supervised By : Jagrut Upadhyay 05/02/2023

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 Upadhyay  
 05/02/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.169  | 152  | 203918   | 20.000 | ng/u1 | 0.00     |
| 20) Naphthalene-d8            | 11.005 | 136  | 797742   | 20.000 | ng/u1 | -0.01    |
| 38) Acenaphthene-d10          | 14.816 | 164  | 435564   | 20.000 | ng/u1 | 0.00     |
| 64) Phenanthrene-d10          | 17.575 | 188  | 857462   | 20.000 | ng/u1 | 0.00     |
| 79) Chrysene-d12              | 21.657 | 240  | 774416   | 20.000 | ng/u1 | 0.00     |
| 88) Perylene-d12              | 24.269 | 264  | 869059   | 20.000 | ng/u1 | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 3) 1,4-Dioxane-d8             | 3.464  | 96   | 29477    | 5.209  | ng/uL | 0.00     |
| 4) Pyridine-d5                | 3.905  | 84   | 152846   | 11.238 | ng/u1 | 0.00     |
| 7) Phenol-d5                  | 7.311  | 99   | 134105   | 8.403  | ng/u1 | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.487  | 67   | 505918   | 50.541 | ng/u1 | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.693  | 132  | 419219   | 34.691 | ng/u1 | 0.00     |
| 15) 4-Methylphenol-d8         | 8.881  | 113  | 254776   | 20.950 | ng/u1 | 0.00     |
| 21) Nitrobenzene-d5           | 9.346  | 128  | 307497   | 53.685 | ng/u1 | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.075 | 143  | 261667   | 49.766 | ng/u1 | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.616 | 165  | 474085   | 41.981 | ng/u1 | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.140 | 131  | 488603   | 29.926 | ng/u1 | 0.00     |
| 46) Dimethylphthalate-d6      | 14.216 | 166  | 1889775  | 60.541 | ng/u1 | 0.00     |
| 49) Acenaphthylene-d8         | 14.510 | 160  | 2150323  | 57.670 | ng/u1 | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.993 | 143  | 42691    | 9.191  | ng/u1 | 0.00     |
| 60) Fluorene-d10              | 15.810 | 176  | 1584243  | 58.223 | ng/u1 | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.922 | 200  | 242320   | 66.811 | ng/u1 | 0.00     |
| 73) Anthracene-d10            | 17.675 | 188  | 2439283  | 62.290 | ng/u1 | 0.00     |
| 81) Pyrene-d10                | 19.892 | 212  | 2786857  | 64.792 | ng/u1 | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.098 | 264  | 2814910  | 65.578 | ng/u1 | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.499  | 88   | 561033   | 93.120 | ng/uL | 99       |
| 5) Pyridine                   | 3.928  | 79   | 167152   | 11.718 | ng/u1 | 98       |
| 6) Benzaldehyde               | 7.293  | 77   | 316131   | 69.903 | ng/u1 | 98       |
| 8) Phenol                     | 7.340  | 94   | 85084    | 5.140  | ng/u1 | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.581  | 93   | 460888   | 32.494 | ng/u1 | 100      |
| 12) 2-Chlorophenol            | 7.728  | 128  | 256613   | 19.790 | ng/u1 | 98       |
| 13) 2-Methylphenol            | 8.611  | 108  | 176912   | 13.797 | ng/u1 | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.705  | 45   | 601388m  | 33.559 | ng/u1 |          |
| 16) Acetophenone              | 9.005  | 105  | 673311   | 34.085 | ng/u1 | 98       |
| 17) N-Nitroso-di-n-propyla... | 8.987  | 70   | 340520   | 36.312 | ng/u1 | 99       |
| 18) 4-Methylphenol            | 8.940  | 108  | 168150   | 12.426 | ng/u1 | 97       |
| 19) Hexachloroethane          | 9.269  | 117  | 184545   | 30.210 | ng/u1 | 99       |
| 22) Nitrobenzene              | 9.393  | 77   | 501239   | 34.496 | ng/u1 | 98       |
| 23) Isophorone                | 9.922  | 82   | 958884   | 36.633 | ng/u1 | 99       |
| 25) 2-Nitrophenol             | 10.110 | 139  | 165592   | 28.032 | ng/u1 | 95       |
| 26) 2,4-Dimethylphenol        | 10.163 | 107  | 267598   | 18.988 | ng/u1 | 100      |
| 27) Bis(2-Chloroethoxy)met... | 10.405 | 93   | 609656   | 33.774 | ng/u1 | 99       |
| 29) 2,4-Dichlorophenol        | 10.646 | 162  | 281161   | 24.930 | ng/u1 | 100      |
| 30) Naphthalene               | 11.057 | 128  | 1436783  | 32.754 | ng/u1 | 99       |
| 32) 4-Chloroaniline           | 11.163 | 127  | 452705   | 26.575 | ng/u1 | 99       |
| 33) Hexachlorobutadiene       | 11.346 | 225  | 256581   | 29.617 | ng/u1 | 99       |
| 34) Caprolactam               | 11.934 | 113  | 13005m   | 4.494  | ng/u1 |          |
| 35) 4-Chloro-3-methylphenol   | 12.269 | 107  | 253594   | 21.917 | ng/u1 | 99       |
| 36) 2-Methylnaphthalene       | 12.652 | 142  | 905312   | 32.707 | ng/u1 | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.875 | 142  | 941997   | 33.897 | ng/ul | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 13.016 | 216  | 483115   | 33.192 | ng/ul | 99       |
| 40) Hexachlorocyclopentadiene | 12.999 | 237  | 239942   | 26.260 | ng/ul | 99       |
| 41) 2,4,6-Trichlorophenol     | 13.251 | 196  | 224304   | 30.330 | ng/ul | 98       |
| 42) 2,4,5-Trichlorophenol     | 13.322 | 196  | 244429   | 27.411 | ng/ul | 99       |
| 43) 1,1'-Biphenyl             | 13.651 | 154  | 1236285  | 35.376 | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.699 | 162  | 974756   | 35.414 | ng/ul | 99       |
| 45) 2-Nitroaniline            | 13.893 | 65   | 239272   | 39.793 | ng/ul | 96       |
| 47) Dimethylphthalate         | 14.263 | 163  | 1235675  | 38.293 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 14.387 | 165  | 230466   | 39.647 | ng/ul | 96       |
| 50) Acenaphthylene            | 14.540 | 152  | 1533461  | 36.790 | ng/ul | 100      |
| 51) 3-Nitroaniline            | 14.716 | 138  | 194772   | 41.329 | ng/ul | 97       |
| 52) Acenaphthene              | 14.881 | 153  | 1052886  | 36.648 | ng/ul | 99       |
| 53) 2,4-Dinitrophenol         | 14.916 | 184  | 70731    | 32.211 | ng/ul | 98       |
| 55) 4-Nitrophenol             | 15.004 | 109  | 19116    | 5.442  | ng/ul | 90       |
| 56) Dibenzofuran              | 15.216 | 168  | 1455075  | 36.745 | ng/ul | 100      |
| 57) 2,4-Dinitrotoluene        | 15.169 | 165  | 324198   | 40.459 | ng/ul | 97       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.434 | 232  | 211938   | 31.142 | ng/ul | 97       |
| 59) Diethylphthalate          | 15.628 | 149  | 1238096  | 39.343 | ng/ul | 99       |
| 61) Fluorene                  | 15.863 | 166  | 1208694  | 38.179 | ng/ul | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.857 | 204  | 578515   | 36.158 | ng/ul | 99       |
| 63) 4-Nitroaniline            | 15.881 | 138  | 202742   | 53.877 | ng/ul | 98       |
| 66) 4,6-Dinitro-2-methylph... | 15.934 | 198  | 141432   | 37.643 | ng/ul | 96       |
| 67) N-Nitrosodiphenylamine    | 16.069 | 169  | 1002425  | 39.625 | ng/ul | 99       |
| 68) 4-Bromophenyl-phenylether | 16.751 | 248  | 349722   | 37.485 | ng/ul | 97       |
| 69) Hexachlorobenzene         | 16.875 | 284  | 405628   | 36.886 | ng/ul | 99       |
| 70) Atrazine                  | 17.016 | 200  | 316709   | 34.580 | ng/ul | 99       |
| 71) Pentachlorophenol         | 17.216 | 266  | 165981   | 34.104 | ng/ul | 96       |
| 72) Phenanthrene              | 17.616 | 178  | 1848798  | 39.205 | ng/ul | 99       |
| 74) Anthracene                | 17.710 | 178  | 1868160  | 39.545 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.622 | 216  | 487128   | 34.491 | ng/ul | 100      |
| 76) Pentachlorobenzene        | 15.134 | 250  | 473525   | 34.927 | ng/ul | 98       |
| 77) Carbazole                 | 17.969 | 167  | 1631117  | 40.479 | ng/ul | 100      |
| 78) Di-n-butylphthalate       | 18.504 | 149  | 2101582  | 42.041 | ng/ul | 100      |
| 80) Fluoranthene              | 19.569 | 202  | 2103964  | 40.428 | ng/ul | 100      |
| 82) Pyrene                    | 19.922 | 202  | 2229134  | 40.303 | ng/ul | 97       |
| 83) Butylbenzylphthalate      | 20.775 | 149  | 881134   | 42.331 | ng/ul | 95       |
| 84) 3,3'-Dichlorobenzidine    | 21.563 | 252  | 504647   | 30.024 | ng/ul | 98       |
| 85) Benzo(a)anthracene        | 21.639 | 228  | 2059515  | 39.649 | ng/ul | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.545 | 149  | 1372258  | 43.490 | ng/ul | 100      |
| 87) Chrysene                  | 21.698 | 228  | 2040288  | 39.467 | ng/ul | 99       |
| 89) Di-n-octyl phthalate      | 22.533 | 149  | 2239294  | 39.730 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.463 | 252  | 2159870  | 39.940 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 23.516 | 252  | 2220631  | 39.580 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 24.151 | 252  | 1962809  | 39.909 | ng/ul | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.039 | 276  | 2594612  | 39.727 | ng/ul | 96       |
| 95) Dibenzo(a,h)anthracene    | 27.057 | 278  | 2154810  | 39.892 | ng/ul | 99       |
| 96) Benzo(g,h,i)perylene      | 27.892 | 276  | 2141050  | 39.719 | ng/ul | 99       |

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

