

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP042823\  
 Data File : BP014873.D  
 Acq On : 28 Apr 2023 13:22  
 Operator : CG/JU  
 Sample : SSTD01060  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD010647

Quant Time: Apr 29 00:23:25 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP042823.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Apr 28 17:04:54 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Christian Giraldo 05/01/2023  
 Supervised By :Jagrut Upadhyay 05/01/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.175  | 152  | 216716   | 20.000 | ng/u1 | 0.00     |
| 20) Naphthalene-d8            | 11.016 | 136  | 846486   | 20.000 | ng/u1 | 0.00     |
| 38) Acenaphthene-d10          | 14.822 | 164  | 481876   | 20.000 | ng/u1 | 0.00     |
| 64) Phenanthrene-d10          | 17.581 | 188  | 963245   | 20.000 | ng/u1 | 0.00     |
| 79) Chrysene-d12              | 21.663 | 240  | 868386   | 20.000 | ng/u1 | 0.00     |
| 88) Perylene-d12              | 24.268 | 264  | 954692   | 20.000 | ng/u1 | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 3) 1,4-Dioxane-d8             | 3.470  | 96   | 23899    | 3.974  | ng/uL | 0.00     |
| 4) Pyridine-d5                | 3.911  | 84   | 131749   | 9.115  | ng/u1 | 0.00     |
| 7) Phenol-d5                  | 7.316  | 99   | 145345   | 8.569  | ng/u1 | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.493  | 67   | 103116   | 9.693  | ng/u1 | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.699  | 132  | 121528   | 9.463  | ng/u1 | 0.00     |
| 15) 4-Methylphenol-d8         | 8.881  | 113  | 111151   | 8.600  | ng/u1 | 0.00     |
| 21) Nitrobenzene-d5           | 9.352  | 128  | 54991    | 9.048  | ng/u1 | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.081 | 143  | 47188    | 8.458  | ng/u1 | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.622 | 165  | 107293   | 8.893  | ng/u1 | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.146 | 131  | 149859   | 8.650  | ng/u1 | 0.00     |
| 46) Dimethylphthalate-d6      | 14.222 | 166  | 337137   | 9.762  | ng/u1 | 0.00     |
| 49) Acenaphthylene-d8         | 14.516 | 160  | 398885   | 9.670  | ng/u1 | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.998 | 143  | 24411m   | 4.733  | ng/u1 | 0.00     |
| 60) Fluorene-d10              | 15.810 | 176  | 297326   | 9.877  | ng/u1 | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.922 | 200  | 16698m   | 4.114  | ng/u1 | 0.00     |
| 73) Anthracene-d10            | 17.675 | 188  | 435586   | 9.902  | ng/u1 | 0.00     |
| 81) Pyrene-d10                | 19.892 | 212  | 469384   | 9.732  | ng/u1 | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.092 | 264  | 458961   | 9.733  | ng/u1 | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.505  | 88   | 25139    | 3.926  | ng/uL | 97       |
| 5) Pyridine                   | 3.928  | 79   | 140565   | 9.272  | ng/u1 | 96       |
| 6) Benzaldehyde               | 7.305  | 77   | 38847m   | 8.166  | ng/u1 |          |
| 8) Phenol                     | 7.340  | 94   | 150836   | 8.575  | ng/u1 | 99       |
| 10) Bis(2-Chloroethyl)ether   | 7.587  | 93   | 141168   | 9.365  | ng/u1 | 99       |
| 12) 2-Chlorophenol            | 7.734  | 128  | 130041   | 9.436  | ng/u1 | 98       |
| 13) 2-Methylphenol            | 8.616  | 108  | 121370   | 8.906  | ng/u1 | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.710  | 45   | 191209   | 10.083 | ng/u1 | 99       |
| 16) Acetophenone              | 9.010  | 105  | 196344   | 9.353  | ng/u1 | 96       |
| 17) N-Nitroso-di-n-propyla... | 8.987  | 70   | 95984    | 9.631  | ng/u1 | 97       |
| 18) 4-Methylphenol            | 8.946  | 108  | 124728   | 8.673  | ng/u1 | 94       |
| 19) Hexachloroethane          | 9.275  | 117  | 64142    | 9.880  | ng/u1 | 91       |
| 22) Nitrobenzene              | 9.393  | 77   | 147349   | 9.557  | ng/u1 | 99       |
| 23) Isophorone                | 9.922  | 82   | 256335   | 9.229  | ng/u1 | 98       |
| 25) 2-Nitrophenol             | 10.116 | 139  | 52524m   | 8.494  | ng/u1 |          |
| 26) 2,4-Dimethylphenol        | 10.169 | 107  | 142007   | 9.496  | ng/u1 | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.404 | 93   | 184448   | 9.630  | ng/u1 | 99       |
| 29) 2,4-Dichlorophenol        | 10.651 | 162  | 111802   | 9.269  | ng/u1 | 98       |
| 30) Naphthalene               | 11.063 | 128  | 458416   | 9.849  | ng/u1 | 100      |
| 32) 4-Chloroaniline           | 11.169 | 127  | 161744   | 8.948  | ng/u1 | 94       |
| 33) Hexachlorobutadiene       | 11.351 | 225  | 91920    | 9.999  | ng/u1 | 96       |
| 34) Caprolactam               | 11.928 | 113  | 17645m   | 5.821  | ng/u1 |          |
| 35) 4-Chloro-3-methylphenol   | 12.281 | 107  | 111320   | 9.067  | ng/u1 | 99       |
| 36) 2-Methylnaphthalene       | 12.663 | 142  | 287288   | 9.781  | ng/u1 | 99       |

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 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD010647

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### Manual Integrations APPROVED

Reviewed By : Christian Giraldo 05/01/2023  
 Supervised By : Jagrut Upadhyay 05/01/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.881 | 142  | 288807   | 9.794  | ng/ul  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 13.022 | 216  | 160370   | 9.959  | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 13.004 | 237  | 83578    | 8.268  | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 13.257 | 196  | 70694    | 8.640  | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 13.328 | 196  | 79258    | 8.330  | ng/ul  | 97       |
| 43) 1,1'-Biphenyl             | 13.657 | 154  | 387629   | 10.026 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.704 | 162  | 304834   | 10.011 | ng/ul  | 99       |
| 45) 2-Nitroaniline            | 13.904 | 65   | 55766    | 8.383  | ng/ul  | 98       |
| 47) Dimethylphthalate         | 14.269 | 163  | 349191   | 9.781  | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 14.387 | 165  | 55438    | 8.620  | ng/ul  | 90       |
| 50) Acenaphthylene            | 14.545 | 152  | 454247   | 9.851  | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.722 | 138  | 32599m   | 6.218  | ng/ul  |          |
| 52) Acenaphthene              | 14.887 | 153  | 316942   | 9.972  | ng/ul  | 100      |
| 53) 2,4-Dinitrophenol         | 14.934 | 184  | 4982m    | 2.100  | ng/ul  |          |
| 55) 4-Nitrophenol             | 15.016 | 109  | 20095    | 5.171  | ng/ul  | 96       |
| 56) Dibenzofuran              | 15.216 | 168  | 435040   | 9.930  | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 15.175 | 165  | 72299    | 8.156  | ng/ul  | 100      |
| 58) 2,3,4,6-Tetrachlorophenol | 15.439 | 232  | 62185    | 8.259  | ng/ul  | 96       |
| 59) Diethylphthalate          | 15.628 | 149  | 336694   | 9.671  | ng/ul  | 98       |
| 61) Fluorene                  | 15.869 | 166  | 354034   | 10.108 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.857 | 204  | 178256   | 10.070 | ng/ul  | 99       |
| 63) 4-Nitroaniline            | 15.875 | 138  | 25582m   | 6.243  | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.939 | 198  | 17313    | 4.102  | ng/ul# | 97       |
| 67) N-Nitrosodiphenylamine    | 16.069 | 169  | 283646   | 9.981  | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.757 | 248  | 103964   | 9.920  | ng/ul  | 98       |
| 69) Hexachlorobenzene         | 16.875 | 284  | 123108   | 9.965  | ng/ul  | 98       |
| 70) Atrazine                  | 17.022 | 200  | 91786    | 8.921  | ng/ul  | 98       |
| 71) Pentachlorophenol         | 17.222 | 266  | 29445m   | 5.379  | ng/ul  |          |
| 72) Phenanthrene              | 17.622 | 178  | 529874   | 10.002 | ng/ul  | 99       |
| 74) Anthracene                | 17.710 | 178  | 535395   | 10.089 | ng/ul  | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.628 | 216  | 161958   | 10.208 | ng/uL  | 98       |
| 76) Pentachlorobenzene        | 15.139 | 250  | 156969   | 10.307 | ng/uL  | 98       |
| 77) Carbazole                 | 17.975 | 167  | 422908   | 9.343  | ng/ul  | 100      |
| 78) Di-n-butylphthalate       | 18.510 | 149  | 532083   | 9.475  | ng/ul  | 100      |
| 80) Fluoranthene              | 19.569 | 202  | 573030   | 9.819  | ng/ul  | 99       |
| 82) Pyrene                    | 19.922 | 202  | 623925   | 10.060 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.780 | 149  | 216079   | 9.258  | ng/ul  | 96       |
| 84) 3,3'-Dichlorobenzidine    | 21.569 | 252  | 156310   | 8.293  | ng/ul  | 97       |
| 85) Benzo(a)anthracene        | 21.645 | 228  | 570265   | 9.791  | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.545 | 149  | 329731   | 9.319  | ng/ul  | 99       |
| 87) Chrysene                  | 21.698 | 228  | 584938   | 10.090 | ng/ul  | 100      |
| 89) Di-n-octyl phthalate      | 22.539 | 149  | 567722   | 9.169  | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.463 | 252  | 563538   | 9.486  | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 23.515 | 252  | 620151   | 10.062 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 24.151 | 252  | 526490   | 9.745  | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.033 | 276  | 698379   | 9.734  | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 27.057 | 278  | 585220   | 9.862  | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 27.886 | 276  | 577272   | 9.749  | ng/ul  | 99       |

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

