

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP071223\  
 Data File : BP016195.D  
 Acq On : 12 Jul 2023 10:46  
 Operator : MA/JU  
 Sample : SSTD04098  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD040649

Quant Time: Jul 13 10:58:49 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP071223.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jul 13 01:50:08 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/13/2023  
 Supervised By :mohammad ahmed 07/13/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.963  | 152  | 167652   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.775 | 136  | 784713   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.616 | 164  | 512672   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.380 | 188  | 1173671  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.474 | 240  | 1192796  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.980 | 264  | 1427140  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.287  | 96   | 76620    | 16.172 | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.728  | 84   | 499645   | 42.285 | ng/u1  | -0.01    |
| 7) Phenol-d5                  | 7.140  | 99   | 635804   | 41.986 | ng/u1  | -0.01    |
| 9) Bis-(2-Chloroethyl)eth...  | 7.287  | 67   | 431662   | 42.156 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.487  | 132  | 486040   | 44.462 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.699  | 113  | 527650   | 43.254 | ng/u1  | -0.01    |
| 21) Nitrobenzene-d5           | 9.146  | 128  | 248450   | 46.277 | ng/u1  | -0.01    |
| 24) 2-Nitrophenol-d4          | 9.875  | 143  | 282010   | 46.235 | ng/u1  | -0.01    |
| 28) 2,4-Dichlorophenol-d3     | 10.428 | 165  | 495455   | 46.637 | ng/u1  | -0.02    |
| 31) 4-Chloroaniline-d4        | 10.946 | 131  | 719839   | 42.711 | ng/u1  | -0.02    |
| 46) Dimethylphthalate-d6      | 14.028 | 166  | 1621973  | 41.475 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.310 | 160  | 1818663  | 42.435 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.881 | 143  | 342495m  | 60.946 | ng/u1  | -0.02    |
| 60) Fluorene-d10              | 15.610 | 176  | 1332061  | 40.700 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.781 | 200  | 295910   | 43.902 | ng/u1  | -0.02    |
| 73) Anthracene-d10            | 17.480 | 188  | 2141033  | 41.704 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.716 | 212  | 2626849  | 42.441 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.804 | 264  | 2966618  | 43.771 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.322  | 88   | 86162    | 17.230 | ng/uL  | 95       |
| 5) Pyridine                   | 3.752  | 79   | 510084   | 42.146 | ng/u1  | 99       |
| 6) Benzaldehyde               | 7.116  | 77   | 435293   | 46.603 | ng/u1  | 96       |
| 8) Phenol                     | 7.169  | 94   | 686867   | 42.942 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.381  | 93   | 553975   | 41.963 | ng/u1  | 96       |
| 12) 2-Chlorophenol            | 7.522  | 128  | 490807   | 43.274 | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.428  | 108  | 510995   | 41.823 | ng/u1  | 95       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.487  | 45   | 888077   | 41.469 | ng/u1  | 99       |
| 16) Acetophenone              | 8.804  | 105  | 854643   | 42.486 | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.781  | 70   | 477869   | 44.386 | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.763  | 108  | 562051   | 42.068 | ng/u1  | 98       |
| 19) Hexachloroethane          | 9.028  | 117  | 212473   | 41.092 | ng/u1  | 99       |
| 22) Nitrobenzene              | 9.193  | 77   | 699893   | 45.570 | ng/u1  | 99       |
| 23) Isophorone                | 9.716  | 82   | 1360442  | 44.258 | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.910  | 139  | 304363   | 46.300 | ng/u1  | 99       |
| 26) 2,4-Dimethylphenol        | 9.963  | 107  | 624536   | 43.306 | ng/u1  | 98       |
| 27) Bis(2-Chloroethoxy)met... | 10.193 | 93   | 784772   | 44.201 | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.457 | 162  | 494051   | 45.177 | ng/u1  | 99       |
| 30) Naphthalene               | 10.828 | 128  | 1684571  | 40.907 | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.975 | 127  | 713757   | 41.903 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 11.087 | 225  | 305342   | 41.111 | ng/u1  | 99       |
| 34) Caprolactam               | 11.787 | 113  | 191450m  | 49.008 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.110 | 107  | 604560   | 45.214 | ng/u1  | 97       |
| 36) 2-Methylnaphthalene       | 12.445 | 142  | 1150182  | 41.656 | ng/u1  | 100      |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 37) 1-Methylnaphthalene       | 12.663 | 142  | 1174848  | 41.373 | ng/ul | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.816 | 216  | 611253   | 41.863 | ng/ul | 99       |
| 40) Hexachlorocyclopentadiene | 12.763 | 237  | 208109   | 36.306 | ng/ul | 96       |
| 41) 2,4,6-Trichlorophenol     | 13.075 | 196  | 405955   | 44.119 | ng/ul | 97       |
| 42) 2,4,5-Trichlorophenol     | 13.163 | 196  | 440100   | 46.770 | ng/ul | 100      |
| 43) 1,1'-Biphenyl             | 13.445 | 154  | 1551228  | 41.479 | ng/ul | 99       |
| 44) 2-Chloronaphthalene       | 13.498 | 162  | 1221762  | 41.582 | ng/ul | 99       |
| 45) 2-Nitroaniline            | 13.734 | 65   | 450863   | 47.314 | ng/ul | 94       |
| 47) Dimethylphthalate         | 14.075 | 163  | 1616690  | 40.931 | ng/ul | 100      |
| 48) 2,6-Dinitrotoluene        | 14.228 | 165  | 336676   | 45.453 | ng/ul | 97       |
| 50) Acenaphthylene            | 14.339 | 152  | 2057699  | 41.803 | ng/ul | 100      |
| 51) 3-Nitroaniline            | 14.569 | 138  | 337996   | 44.698 | ng/ul | 94       |
| 52) Acenaphthene              | 14.675 | 153  | 1344158  | 40.374 | ng/ul | 98       |
| 53) 2,4-Dinitrophenol         | 14.810 | 184  | 182216   | 34.962 | ng/ul | 97       |
| 55) 4-Nitrophenol             | 14.898 | 109  | 256931m  | 50.138 | ng/ul |          |
| 56) Dibenzofuran              | 15.022 | 168  | 1844292  | 40.670 | ng/ul | 100      |
| 57) 2,4-Dinitrotoluene        | 15.034 | 165  | 496314   | 45.579 | ng/ul | 89       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.257 | 232  | 385582   | 43.320 | ng/ul | 98       |
| 59) Diethylphthalate          | 15.434 | 149  | 1690134  | 41.148 | ng/ul | 99       |
| 61) Fluorene                  | 15.669 | 166  | 1529130  | 40.365 | ng/ul | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.651 | 204  | 738488   | 40.307 | ng/ul | 98       |
| 63) 4-Nitroaniline            | 15.745 | 138  | 308093   | 45.538 | ng/ul | 96       |
| 66) 4,6-Dinitro-2-methylph... | 15.798 | 198  | 309101   | 44.093 | ng/ul | 100      |
| 67) N-Nitrosodiphenylamine    | 15.881 | 169  | 1304732  | 41.940 | ng/ul | 99       |
| 68) 4-Bromophenyl-phenylether | 16.551 | 248  | 468396   | 41.994 | ng/ul | 99       |
| 69) Hexachlorobenzene         | 16.681 | 284  | 548375   | 40.825 | ng/ul | 99       |
| 70) Atrazine                  | 16.839 | 200  | 521474   | 42.272 | ng/ul | 98       |
| 71) Pentachlorophenol         | 17.045 | 266  | 283727   | 42.122 | ng/ul | 98       |
| 72) Phenanthrene              | 17.422 | 178  | 2498643  | 40.859 | ng/ul | 99       |
| 74) Anthracene                | 17.522 | 178  | 2564516  | 41.734 | ng/ul | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.416 | 216  | 652391   | 42.488 | ng/ul | 99       |
| 76) Pentachlorobenzene        | 14.939 | 250  | 600738   | 41.305 | ng/ul | 99       |
| 77) Carbazole                 | 17.810 | 167  | 2362901  | 42.175 | ng/ul | 99       |
| 78) Di-n-butylphthalate       | 18.316 | 149  | 3050921  | 43.471 | ng/ul | 100      |
| 80) Fluoranthene              | 19.392 | 202  | 3068675  | 42.398 | ng/ul | 100      |
| 82) Pyrene                    | 19.745 | 202  | 3243879  | 41.979 | ng/ul | 99       |
| 83) Butylbenzylphthalate      | 20.592 | 149  | 1506247  | 45.197 | ng/ul | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.392 | 252  | 1193313  | 42.817 | ng/ul | 99       |
| 85) Benzo(a)anthracene        | 21.457 | 228  | 3296514  | 42.441 | ng/ul | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.339 | 149  | 2221753  | 44.627 | ng/ul | 100      |
| 87) Chrysene                  | 21.516 | 228  | 3205473  | 40.738 | ng/ul | 99       |
| 89) Di-n-octyl phthalate      | 22.286 | 149  | 3940078  | 44.076 | ng/ul | 100      |
| 90) Benzo(b)fluoranthene      | 23.198 | 252  | 3552940  | 43.583 | ng/ul | 99       |
| 91) Benzo(k)fluoranthene      | 23.251 | 252  | 3457192  | 41.673 | ng/ul | 99       |
| 93) Benzo(a)pyrene            | 23.863 | 252  | 3427560  | 43.594 | ng/ul | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.615 | 276  | 4297554  | 43.364 | ng/ul | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.615 | 278  | 3531720  | 44.347 | ng/ul | 98       |
| 96) Benzo(g,h,i)perylene      | 27.433 | 276  | 3453703  | 44.172 | ng/ul | 99       |

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

