

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP090823\  
 Data File : BP017077.D  
 Acq On : 10 Sep 2023 07:17  
 Operator : MA/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 71 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020726

Quant Time: Sep 11 00:38:27 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP090523.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Sep 09 01:41:21 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/11/2023  
 Supervised By :mohammad ahmed 09/11/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.963  | 152  | 542720   | 20.000 | ng/u1  | -0.01    |
| 20) Naphthalene-d8            | 10.793 | 136  | 2273715  | 20.000 | ng/u1  | -0.01    |
| 38) Acenaphthene-d10          | 14.628 | 164  | 1264042  | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.392 | 188  | 2596572  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.492 | 240  | 1970929  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.021 | 264  | 1759258  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.317  | 96   | 124866   | 8.703  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.758  | 84   | 934536   | 22.795 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.116  | 99   | 1135259  | 22.896 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.305  | 67   | 706990   | 22.796 | ng/u1  | -0.01    |
| 11) 2-Chlorophenol-d4         | 7.487  | 132  | 819280   | 22.831 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.681  | 113  | 833746   | 22.072 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.163  | 128  | 398162   | 22.572 | ng/u1  | -0.01    |
| 24) 2-Nitrophenol-d4          | 9.881  | 143  | 424570   | 22.204 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.405 | 165  | 780575   | 22.111 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.957 | 131  | 1074981  | 21.106 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.040 | 166  | 2010360  | 21.366 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.328 | 160  | 2405564  | 22.153 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.845 | 143  | 354673   | 19.297 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.622 | 176  | 1725483  | 21.419 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.751 | 200  | 267717   | 17.133 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.498 | 188  | 2610131  | 21.889 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.733 | 212  | 2737885  | 22.806 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.857 | 264  | 1936746  | 21.700 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.358  | 88   | 135521   | 8.748  | ng/uL  | 98       |
| 5) Pyridine                   | 3.775  | 79   | 982560   | 22.513 | ng/u1  | 97       |
| 6) Benzaldehyde               | 7.122  | 77   | 395957   | 17.620 | ng/u1  | 96       |
| 8) Phenol                     | 7.146  | 94   | 1182236  | 22.949 | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.405  | 93   | 911374   | 22.185 | ng/u1  | 100      |
| 12) 2-Chlorophenol            | 7.522  | 128  | 872595   | 22.825 | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.410  | 108  | 844638   | 22.353 | ng/u1  | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.499  | 45   | 1301852m | 22.508 | ng/u1  |          |
| 16) Acetophenone              | 8.816  | 105  | 1330039  | 21.820 | ng/u1  | 96       |
| 17) N-Nitroso-di-n-propyla... | 8.793  | 70   | 702189   | 21.564 | ng/u1  | 97       |
| 18) 4-Methylphenol            | 8.746  | 108  | 911893   | 22.128 | ng/u1  | 99       |
| 19) Hexachloroethane          | 9.034  | 117  | 360848   | 22.785 | ng/u1  | 96       |
| 22) Nitrobenzene              | 9.210  | 77   | 1093147  | 23.209 | ng/u1  | 98       |
| 23) Isophorone                | 9.728  | 82   | 1868017  | 21.110 | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 9.910  | 139  | 472110   | 22.425 | ng/u1  | 97       |
| 26) 2,4-Dimethylphenol        | 9.952  | 107  | 959322   | 22.317 | ng/u1  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 10.210 | 93   | 1145549  | 20.889 | ng/u1  | 100      |
| 29) 2,4-Dichlorophenol        | 10.434 | 162  | 785694   | 21.839 | ng/u1  | 98       |
| 30) Naphthalene               | 10.846 | 128  | 2719080  | 21.916 | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.981 | 127  | 1132196  | 21.360 | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 11.075 | 225  | 445662   | 20.725 | ng/u1  | 99       |
| 34) Caprolactam               | 11.810 | 113  | 235865m  | 19.796 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.081 | 107  | 826853   | 20.972 | ng/u1  | 99       |
| 36) 2-Methylnaphthalene       | 12.451 | 142  | 1716271  | 20.933 | ng/u1  | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.669 | 142  | 1723160  | 20.875 | ng/ul  | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.798 | 216  | 818739   | 21.984 | ng/ul  | 99       |
| 40) Hexachlorocyclopentadiene | 12.746 | 237  | 481611   | 19.958 | ng/ul  | 99       |
| 41) 2,4,6-Trichlorophenol     | 13.057 | 196  | 559630   | 22.078 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 13.128 | 196  | 605442   | 21.952 | ng/ul  | 98       |
| 43) 1,1'-Biphenyl             | 13.457 | 154  | 2247630  | 22.463 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.504 | 162  | 1768307  | 22.509 | ng/ul  | 100      |
| 45) 2-Nitroaniline            | 13.746 | 65   | 573996   | 24.534 | ng/ul  | 97       |
| 47) Dimethylphthalate         | 14.087 | 163  | 2116807  | 21.441 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.234 | 165  | 427618   | 22.303 | ng/ul  | 96       |
| 50) Acenaphthylene            | 14.357 | 152  | 2713559  | 22.318 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.569 | 138  | 360158   | 18.823 | ng/ul  | 94       |
| 52) Acenaphthene              | 14.693 | 153  | 1874334  | 22.094 | ng/ul  | 100      |
| 53) 2,4-Dinitrophenol         | 14.769 | 184  | 192044   | 16.155 | ng/ul  | 93       |
| 55) 4-Nitrophenol             | 14.863 | 109  | 302045   | 20.533 | ng/ul  | 94       |
| 56) Dibenzofuran              | 15.028 | 168  | 2555186  | 21.906 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 15.016 | 165  | 622109   | 22.604 | ng/ul  | 86       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.245 | 232  | 450584   | 20.263 | ng/ul  | 99       |
| 59) Diethylphthalate          | 15.445 | 149  | 2146994  | 21.762 | ng/ul  | 100      |
| 61) Fluorene                  | 15.681 | 166  | 2121213  | 22.057 | ng/ul  | 99       |
| 62) 4-Chlorophenyl-phenyle... | 15.669 | 204  | 983610   | 21.164 | ng/ul  | 96       |
| 63) 4-Nitroaniline            | 15.740 | 138  | 271255   | 16.124 | ng/ul  | 93       |
| 66) 4,6-Dinitro-2-methylph... | 15.763 | 198  | 280182   | 17.114 | ng/ul# | 86       |
| 67) N-Nitrosodiphenylamine    | 15.892 | 169  | 1723731  | 22.016 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.575 | 248  | 534506   | 20.691 | ng/ul  | 98       |
| 69) Hexachlorobenzene         | 16.651 | 284  | 574003   | 20.270 | ng/ul  | 93       |
| 70) Atrazine                  | 16.851 | 200  | 574778   | 21.442 | ng/ul  | 100      |
| 71) Pentachlorophenol         | 17.022 | 266  | 328238   | 17.775 | ng/ul  | 99       |
| 72) Phenanthrene              | 17.439 | 178  | 3157752  | 21.886 | ng/ul  | 100      |
| 74) Anthracene                | 17.528 | 178  | 3211940  | 22.145 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.410 | 216  | 822498   | 22.238 | ng/ul  | 98       |
| 76) Pentachlorobenzene        | 14.916 | 250  | 748821   | 21.018 | ng/ul  | 99       |
| 77) Carbazole                 | 17.816 | 167  | 2877047  | 22.073 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.322 | 149  | 3624928  | 22.701 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.404 | 202  | 3449543  | 23.013 | ng/ul  | 100      |
| 82) Pyrene                    | 19.763 | 202  | 3583456  | 23.025 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.616 | 149  | 1616750  | 25.119 | ng/ul  | 94       |
| 84) 3,3'-Dichlorobenzidine    | 21.416 | 252  | 801062   | 18.314 | ng/ul  | 100      |
| 85) Benzo(a)anthracene        | 21.474 | 228  | 3101476  | 22.343 | ng/ul  | 100      |
| 86) Bis(2-ethylhexyl)phtha... | 21.351 | 149  | 2261727  | 25.436 | ng/ul  | 99       |
| 87) Chrysene                  | 21.533 | 228  | 2830072  | 21.796 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.316 | 149  | 3614678  | 24.510 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.233 | 252  | 2613810  | 21.265 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 23.286 | 252  | 2595514  | 21.806 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 23.910 | 252  | 2229238  | 21.744 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.704 | 276  | 2591722  | 22.774 | ng/ul  | 97       |
| 95) Dibenzo(a,h)anthracene    | 26.727 | 278  | 2148232  | 22.871 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 27.545 | 276  | 2017710  | 22.499 | ng/ul  | 97       |

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

