

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP042122\  
 Data File : BP010058.D  
 Acq On : 22 Apr 2022 17:12  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 54 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020769

Quant Time: Apr 22 23:42:24 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP042122.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Apr 21 14:49:38 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 04/25/2022  
 Supervised By :mohammad ahmed 04/26/2022

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.940  | 152  | 153098   | 20.000 | ng/ul  | 0.00     |
| 20) Naphthalene-d8            | 10.746 | 136  | 715283   | 20.000 | ng/ul  | 0.00     |
| 38) Acenaphthene-d10          | 14.575 | 164  | 510941   | 20.000 | ng/ul  | 0.00     |
| 64) Phenanthrene-d10          | 17.328 | 188  | 1125770  | 20.000 | ng/ul  | # 0.00   |
| 79) Chrysene-d12              | 21.410 | 240  | 1121597  | 20.000 | ng/ul  | # 0.00   |
| 88) Perylene-d12              | 23.869 | 264  | 966237   | 20.000 | ng/ul  | 0.01     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.370  | 96   | 28206    | 8.034  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.787  | 84   | 200586   | 20.309 | ng/ul  | 0.00     |
| 7) Phenol-d5                  | 7.105  | 99   | 293757   | 21.095 | ng/ul  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.269  | 67   | 177951   | 21.296 | ng/ul  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.469  | 132  | 227666   | 22.075 | ng/ul  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.652  | 113  | 248603   | 21.547 | ng/ul  | 0.00     |
| 21) Nitrobenzene-d5           | 9.099  | 128  | 120311   | 21.148 | ng/ul  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.822  | 143  | 135666   | 21.835 | ng/ul  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.369 | 165  | 256397   | 21.198 | ng/ul  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.881 | 131  | 379209   | 21.865 | ng/ul  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.981 | 166  | 809130   | 20.358 | ng/ul  | 0.00     |
| 49) Acenaphthylene-d8         | 14.263 | 160  | 1017314  | 21.149 | ng/ul  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.763 | 143  | 147395   | 20.144 | ng/ul  | 0.00     |
| 60) Fluorene-d10              | 15.569 | 176  | 704049   | 20.593 | ng/ul  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.681 | 200  | 137207   | 19.275 | ng/ul  | 0.00     |
| 73) Anthracene-d10            | 17.428 | 188  | 1149910  | 21.113 | ng/ul  | 0.00     |
| 81) Pyrene-d10                | 19.657 | 212  | 1384940  | 21.712 | ng/ul  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.704 | 264  | 1074519  | 21.212 | ng/ul  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.405  | 88   | 29572    | 8.106  | ng/ul# | 19       |
| 5) Pyridine                   | 3.805  | 79   | 209702   | 20.425 | ng/ul# | 43       |
| 6) Benzaldehyde               | 7.075  | 77   | 161953   | 21.762 | ng/ul  | 96       |
| 8) Phenol                     | 7.128  | 94   | 298367   | 21.324 | ng/ul# | 94       |
| 10) Bis(2-Chloroethyl)ether   | 7.358  | 93   | 231527   | 21.477 | ng/ul# | 77       |
| 12) 2-Chlorophenol            | 7.505  | 128  | 227966   | 21.914 | ng/ul  | 94       |
| 13) 2-Methylphenol            | 8.381  | 108  | 228528   | 21.296 | ng/ul  | 100      |
| 14) 2,2'-oxybis(1-Chloropr... | 8.475  | 45   | 342576   | 21.416 | ng/ul# | 85       |
| 16) Acetophenone              | 8.763  | 105  | 382750   | 21.262 | ng/ul# | 80       |
| 17) N-Nitroso-di-n-propyla... | 8.752  | 70   | 204565   | 21.690 | ng/ul# | 74       |
| 18) 4-Methylphenol            | 8.710  | 108  | 255569   | 21.630 | ng/ul  | 89       |
| 19) Hexachloroethane          | 9.028  | 117  | 94390    | 21.594 | ng/ul# | 82       |
| 22) Nitrobenzene              | 9.140  | 77   | 290388   | 20.834 | ng/ul# | 83       |
| 23) Isophorone                | 9.669  | 82   | 575127   | 20.891 | ng/ul# | 97       |
| 25) 2-Nitrophenol             | 9.857  | 139  | 139394   | 21.183 | ng/ul# | 82       |
| 26) 2,4-Dimethylphenol        | 9.916  | 107  | 300832   | 21.116 | ng/ul# | 76       |
| 27) Bis(2-Chloroethoxy)met... | 10.152 | 93   | 334078   | 20.704 | ng/ul# | 97       |
| 29) 2,4-Dichlorophenol        | 10.393 | 162  | 250287   | 21.526 | ng/ul# | 85       |
| 30) Naphthalene               | 10.799 | 128  | 787259   | 21.029 | ng/ul  | 97       |
| 32) 4-Chloroaniline           | 10.905 | 127  | 372504   | 21.796 | ng/ul  | 97       |
| 33) Hexachlorobutadiene       | 11.093 | 225  | 168601   | 20.460 | ng/ul  | 96       |
| 34) Caprolactam               | 11.669 | 113  | 86742m   | 20.740 | ng/ul  |          |
| 35) 4-Chloro-3-methylphenol   | 12.028 | 107  | 296094   | 21.081 | ng/ul# | 66       |
| 36) 2-Methylnaphthalene       | 12.404 | 142  | 565170   | 20.815 | ng/ul  | 89       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.622 | 142  | 569678   | 20.664 | ng/ul# | 94       |
| 39) 1,2,4,5-Tetrachloroben... | 12.775 | 216  | 329411   | 20.868 | ng/ul# | 94       |
| 40) Hexachlorocyclopentadiene | 12.757 | 237  | 149224   | 16.774 | ng/ul  | 96       |
| 41) 2,4,6-Trichlorophenol     | 13.010 | 196  | 220683   | 21.607 | ng/ul# | 87       |
| 42) 2,4,5-Trichlorophenol     | 13.081 | 196  | 241388   | 21.722 | ng/ul# | 86       |
| 43) 1,1'-Biphenyl             | 13.410 | 154  | 785811   | 20.852 | ng/ul  | 93       |
| 44) 2-Chloronaphthalene       | 13.451 | 162  | 611137   | 20.956 | ng/ul  | 93       |
| 45) 2-Nitroaniline            | 13.646 | 65   | 202504   | 21.414 | ng/ul# | 81       |
| 47) Dimethylphthalate         | 14.028 | 163  | 787667   | 20.391 | ng/ul# | 92       |
| 48) 2,6-Dinitrotoluene        | 14.146 | 165  | 168030   | 21.197 | ng/ul  | 91       |
| 50) Acenaphthylene            | 14.293 | 152  | 1008981  | 21.176 | ng/ul  | 95       |
| 51) 3-Nitroaniline            | 14.469 | 138  | 116513   | 16.225 | ng/ul# | 80       |
| 52) Acenaphthene              | 14.640 | 153  | 647198   | 20.889 | ng/ul  | 96       |
| 53) 2,4-Dinitrophenol         | 14.681 | 184  | 80531    | 18.180 | ng/ul# | 81       |
| 55) 4-Nitrophenol             | 14.781 | 109  | 123609   | 19.444 | ng/ul# | 47       |
| 56) Dibenzofuran              | 14.975 | 168  | 949140   | 20.688 | ng/ul  | 98       |
| 57) 2,4-Dinitrotoluene        | 14.928 | 165  | 248342   | 21.445 | ng/ul# | 82       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.198 | 232  | 210484   | 21.308 | ng/ul# | 87       |
| 59) Diethylphthalate          | 15.393 | 149  | 804272   | 20.470 | ng/ul  | 93       |
| 61) Fluorene                  | 15.622 | 166  | 779566   | 20.696 | ng/ul  | 90       |
| 62) 4-Chlorophenyl-phenyle... | 15.616 | 204  | 403803   | 20.369 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.634 | 138  | 112100m  | 16.043 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.698 | 198  | 133462   | 19.433 | ng/ul# | 92       |
| 67) N-Nitrosodiphenylamine    | 15.828 | 169  | 683453   | 21.159 | ng/ul  | 94       |
| 68) 4-Bromophenyl-phenylether | 16.510 | 248  | 252268   | 21.008 | ng/ul  | 95       |
| 69) Hexachlorobenzene         | 16.634 | 284  | 289841m  | 20.795 | ng/ul  |          |
| 70) Atrazine                  | 16.781 | 200  | 270384   | 20.589 | ng/ul# | 89       |
| 71) Pentachlorophenol         | 16.975 | 266  | 181865   | 20.489 | ng/ul# | 84       |
| 72) Phenanthrene              | 17.369 | 178  | 1291695  | 21.110 | ng/ul  | 99       |
| 74) Anthracene                | 17.463 | 178  | 1296940  | 21.044 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.375 | 216  | 352025   | 21.419 | ng/uL# | 85       |
| 76) Pentachlorobenzene        | 14.898 | 250  | 335791   | 20.835 | ng/uL  | 91       |
| 77) Carbazole                 | 17.728 | 167  | 1149466  | 21.077 | ng/ul# | 96       |
| 78) Di-n-butylphthalate       | 18.281 | 149  | 1425138  | 21.240 | ng/ul# | 92       |
| 80) Fluoranthene              | 19.333 | 202  | 1587090  | 22.060 | ng/ul# | 95       |
| 82) Pyrene                    | 19.686 | 202  | 1607063  | 21.681 | ng/ul# | 93       |
| 83) Butylbenzylphthalate      | 20.551 | 149  | 682881   | 22.288 | ng/ul# | 80       |
| 84) 3,3'-Dichlorobenzidine    | 21.322 | 252  | 401086   | 19.874 | ng/ul# | 96       |
| 85) Benzo(a)anthracene        | 21.392 | 228  | 1515224  | 21.287 | ng/ul  | 94       |
| 86) Bis(2-ethylhexyl)phtha... | 21.316 | 149  | 998242   | 21.982 | ng/ul# | 81       |
| 87) Chrysene                  | 21.445 | 228  | 1480689  | 21.126 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.257 | 149  | 1688159  | 22.474 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.116 | 252  | 1388355  | 21.373 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.163 | 252  | 1280013  | 20.803 | ng/ul# | 97       |
| 93) Benzo(a)pyrene            | 23.757 | 252  | 1260601  | 20.986 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.427 | 276  | 1231682  | 20.612 | ng/ul# | 95       |
| 95) Dibenzo(a,h)anthracene    | 26.445 | 278  | 1062693  | 20.784 | ng/ul# | 95       |
| 96) Benzo(g,h,i)perylene      | 27.215 | 276  | 1054505  | 20.914 | ng/ul# | 93       |

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

