



Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP051622\  
 Data File : BP010354.D  
 Acq On : 16 May 2022 12:52  
 Operator : CG/JU  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 SSTD020799

Quant Time: May 16 23:20:30 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP051322.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri May 13 15:04:31 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 05/17/2022  
 Supervised By :mohammad ahmed 05/18/2022

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.899  | 152  | 106650   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.699 | 136  | 476202   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.534 | 164  | 330733   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.287 | 188  | 746178   | 20.000 | ng/u1  | # 0.00   |
| 79) Chrysene-d12              | 21.369 | 240  | 782541   | 20.000 | ng/u1  | # 0.00   |
| 88) Perylene-d12              | 23.792 | 264  | 688413   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.346  | 96   | 22058m   | 8.816  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.764  | 84   | 149077   | 20.984 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.064  | 99   | 173695   | 19.404 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.228  | 67   | 124189   | 20.649 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.428  | 132  | 142896   | 20.862 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.611  | 113  | 151290   | 19.888 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.058  | 128  | 75570    | 20.505 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.781  | 143  | 79585    | 20.376 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.322 | 165  | 151288   | 20.485 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.834 | 131  | 218352   | 19.885 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.940 | 166  | 510794   | 20.962 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.222 | 160  | 588240   | 20.929 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.728 | 143  | 82965    | 19.129 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.522 | 176  | 450062   | 21.230 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.646 | 200  | 81826    | 18.750 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.381 | 188  | 703633   | 20.825 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.616 | 212  | 863125   | 20.769 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.639 | 264  | 732772   | 21.198 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.381  | 88   | 22416    | 8.648  | ng/uL# | 21       |
| 5) Pyridine                   | 3.781  | 79   | 149582   | 20.260 | ng/u1# | 25       |
| 6) Benzaldehyde               | 7.040  | 77   | 114249m  | 24.144 | ng/u1  |          |
| 8) Phenol                     | 7.093  | 94   | 194736m  | 20.165 | ng/u1  |          |
| 10) Bis(2-Chloroethyl)ether   | 7.322  | 93   | 155880   | 20.530 | ng/u1# | 72       |
| 12) 2-Chlorophenol            | 7.464  | 128  | 151167   | 21.141 | ng/u1  | 96       |
| 13) 2-Methylphenol            | 8.346  | 108  | 144671   | 20.068 | ng/u1  | 99       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.434  | 45   | 269257   | 21.759 | ng/u1# | 81       |
| 16) Acetophenone              | 8.722  | 105  | 251526   | 21.044 | ng/u1# | 75       |
| 17) N-Nitroso-di-n-propyla... | 8.711  | 70   | 135901   | 21.245 | ng/u1# | 67       |
| 18) 4-Methylphenol            | 8.669  | 108  | 163306   | 20.496 | ng/u1  | 93       |
| 19) Hexachloroethane          | 8.981  | 117  | 66273    | 21.310 | ng/u1  | 82       |
| 22) Nitrobenzene              | 9.099  | 77   | 198968   | 20.544 | ng/u1# | 79       |
| 23) Isophorone                | 9.628  | 82   | 367342   | 20.520 | ng/u1# | 97       |
| 25) 2-Nitrophenol             | 9.811  | 139  | 88058    | 20.533 | ng/u1# | 85       |
| 26) 2,4-Dimethylphenol        | 9.875  | 107  | 194596m  | 20.912 | ng/u1  |          |
| 27) Bis(2-Chloroethoxy)met... | 10.111 | 93   | 220467   | 20.684 | ng/u1# | 97       |
| 29) 2,4-Dichlorophenol        | 10.352 | 162  | 156860   | 20.774 | ng/u1# | 83       |
| 30) Naphthalene               | 10.752 | 128  | 513664   | 20.652 | ng/u1  | 97       |
| 32) 4-Chloroaniline           | 10.863 | 127  | 222282   | 20.397 | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 11.040 | 225  | 113086   | 21.136 | ng/u1  | 96       |
| 34) Caprolactam               | 11.634 | 113  | 51057m   | 19.376 | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 11.987 | 107  | 182840   | 20.700 | ng/u1# | 72       |
| 36) 2-Methylnaphthalene       | 12.357 | 142  | 363000   | 20.615 | ng/u1  | 92       |

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|-------------------------------|--------|------|----------|--------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.581 | 142  | 366925   | 20.638 | ng/ul# | 95       |
| 39) 1,2,4,5-Tetrachloroben... | 12.728 | 216  | 208929   | 20.701 | ng/ul# | 92       |
| 40) Hexachlorocyclopentadiene | 12.710 | 237  | 106598   | 19.427 | ng/ul  | 95       |
| 41) 2,4,6-Trichlorophenol     | 12.969 | 196  | 131066   | 20.833 | ng/ul# | 84       |
| 42) 2,4,5-Trichlorophenol     | 13.040 | 196  | 142412   | 20.273 | ng/ul# | 86       |
| 43) 1,1'-Biphenyl             | 13.369 | 154  | 507604   | 20.910 | ng/ul  | 92       |
| 44) 2-Chloronaphthalene       | 13.410 | 162  | 393609   | 20.993 | ng/ul  | 94       |
| 45) 2-Nitroaniline            | 13.610 | 65   | 128394   | 20.807 | ng/ul# | 72       |
| 47) Dimethylphthalate         | 13.987 | 163  | 505249   | 20.903 | ng/ul# | 92       |
| 48) 2,6-Dinitrotoluene        | 14.104 | 165  | 103482   | 21.002 | ng/ul  | 98       |
| 50) Acenaphthylene            | 14.251 | 152  | 637116   | 20.954 | ng/ul  | 96       |
| 51) 3-Nitroaniline            | 14.434 | 138  | 91826    | 19.857 | ng/ul# | 84       |
| 52) Acenaphthene              | 14.593 | 153  | 415918   | 20.968 | ng/ul  | 97       |
| 53) 2,4-Dinitrophenol         | 14.646 | 184  | 45989    | 16.718 | ng/ul# | 79       |
| 55) 4-Nitrophenol             | 14.740 | 109  | 78781    | 20.428 | ng/ul# | 48       |
| 56) Dibenzofuran              | 14.928 | 168  | 617319   | 21.236 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 14.893 | 165  | 150598   | 21.232 | ng/ul# | 73       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.157 | 232  | 125928m  | 20.847 | ng/ul  |          |
| 59) Diethylphthalate          | 15.351 | 149  | 515031   | 20.882 | ng/ul  | 93       |
| 61) Fluorene                  | 15.581 | 166  | 507987   | 21.369 | ng/ul  | 91       |
| 62) 4-Chlorophenyl-phenyle... | 15.575 | 204  | 264112   | 21.358 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.598 | 138  | 93269    | 20.426 | ng/ul# | 79       |
| 66) 4,6-Dinitro-2-methylph... | 15.663 | 198  | 82441    | 18.943 | ng/ul# | 90       |
| 67) N-Nitrosodiphenylamine    | 15.787 | 169  | 436733   | 20.870 | ng/ul  | 96       |
| 68) 4-Bromophenyl-phenylether | 16.469 | 248  | 158279   | 20.597 | ng/ul  | 96       |
| 69) Hexachlorobenzene         | 16.593 | 284  | 181103   | 20.488 | ng/ul# | 89       |
| 70) Atrazine                  | 16.740 | 200  | 167637   | 19.997 | ng/ul  | 91       |
| 71) Pentachlorophenol         | 16.934 | 266  | 103565   | 18.673 | ng/ul# | 82       |
| 72) Phenanthrene              | 17.328 | 178  | 829912   | 20.841 | ng/ul  | 99       |
| 74) Anthracene                | 17.416 | 178  | 833551   | 20.865 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.334 | 216  | 228471   | 20.147 | ng/uL# | 88       |
| 76) Pentachlorobenzene        | 14.851 | 250  | 213688   | 20.769 | ng/uL  | 91       |
| 77) Carbazole                 | 17.687 | 167  | 714685   | 20.356 | ng/ul# | 95       |
| 78) Di-n-butylphthalate       | 18.239 | 149  | 888865   | 20.787 | ng/ul# | 93       |
| 80) Fluoranthene              | 19.292 | 202  | 1011301  | 20.940 | ng/ul  | 96       |
| 82) Pyrene                    | 19.639 | 202  | 1048813  | 20.810 | ng/ul  | 96       |
| 83) Butylbenzylphthalate      | 20.510 | 149  | 412760   | 20.481 | ng/ul# | 82       |
| 84) 3,3'-Dichlorobenzidine    | 21.281 | 252  | 318309   | 20.238 | ng/ul# | 95       |
| 85) Benzo(a)anthracene        | 21.351 | 228  | 1012385  | 20.688 | ng/ul  | 94       |
| 86) Bis(2-ethylhexyl)phtha... | 21.275 | 149  | 607053   | 20.527 | ng/ul# | 81       |
| 87) Chrysene                  | 21.404 | 228  | 1009720  | 20.977 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.204 | 149  | 1054023  | 20.410 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.057 | 252  | 988174   | 21.536 | ng/ul  | 100      |
| 91) Benzo(k)fluoranthene      | 23.104 | 252  | 918868   | 21.070 | ng/ul# | 97       |
| 93) Benzo(a)pyrene            | 23.686 | 252  | 907583   | 21.289 | ng/ul# | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.327 | 276  | 824551   | 20.559 | ng/ul# | 94       |
| 95) Dibenzo(a,h)anthracene    | 26.345 | 278  | 705608   | 20.276 | ng/ul# | 95       |
| 96) Benzo(g,h,i)perylene      | 27.098 | 276  | 688140   | 20.549 | ng/ul# | 89       |

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