

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM011222\  
 Data File : BM033695.D  
 Acq On : 12 Jan 2022 12:45  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDCCC040

Quant Time: Jan 13 07:49:46 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM010522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 13 07:49:01 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.972  | 152  | 163744   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.789 | 136  | 675243   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.607 | 164  | 418061   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.342 | 188  | 761258   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.506 | 240  | 604887   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 23.930 | 264  | 647105   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.513  | 112  | 806691   | 77.698 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.125  | 99   | 1090733  | 77.949 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.136  | 82   | 1116004  | 76.328 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.089 | 330  | 402480   | 92.174 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.242 | 172  | 2413728  | 75.622 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.959 | 244  | 2730263  | 81.246 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.349  | 88   | 164061   | 35.256 | ng    | # 92     |
| 3) Pyridine                   | 3.760  | 79   | 455105   | 37.770 | ng    | 94       |
| 4) n-Nitrosodimethylamine     | 3.666  | 42   | 213710   | 35.500 | ng    | # 69     |
| 6) Aniline                    | 7.289  | 93   | 626021   | 39.495 | ng    | 96       |
| 8) 2-Chlorophenol             | 7.531  | 128  | 451124   | 39.735 | ng    | 89       |
| 9) Benzaldehyde               | 7.095  | 77   | 321667   | 37.561 | ng    | 92       |
| 10) Phenol                    | 7.154  | 94   | 550774   | 39.149 | ng    | 93       |
| 11) bis(2-Chloroethyl)ether   | 7.384  | 93   | 428400   | 38.602 | ng    | 93       |
| 12) 1,3-Dichlorobenzene       | 7.860  | 146  | 500337   | 39.430 | ng    | 96       |
| 13) 1,4-Dichlorobenzene       | 8.007  | 146  | 512240   | 39.473 | ng    | 96       |
| 14) 1,2-Dichlorobenzene       | 8.325  | 146  | 494312   | 39.388 | ng    | 99       |
| 15) Benzyl Alcohol            | 8.207  | 79   | 452507   | 39.614 | ng    | 93       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.507  | 45   | 577761   | 34.522 | ng    | 96       |
| 17) 2-Methylphenol            | 8.413  | 107  | 389687   | 40.126 | ng    | 95       |
| 18) Hexachloroethane          | 9.066  | 117  | 191024   | 38.849 | ng    | 91       |
| 19) n-Nitroso-di-n-propyla... | 8.784  | 70   | 363112   | 39.718 | ng    | # 90     |
| 20) 3+4-Methylphenols         | 8.742  | 107  | 542400   | 40.882 | ng    | 95       |
| 22) Acetophenone              | 8.795  | 105  | 704816   | 38.919 | ng    | # 93     |
| 24) Nitrobenzene              | 9.178  | 77   | 522139   | 37.554 | ng    | 91       |
| 25) Isophorone                | 9.713  | 82   | 935492   | 39.499 | ng    | 98       |
| 26) 2-Nitrophenol             | 9.895  | 139  | 256606   | 43.803 | ng    | # 85     |
| 27) 2,4-Dimethylphenol        | 9.954  | 122  | 382837   | 39.146 | ng    | 95       |
| 28) bis(2-Chloroethoxy)met... | 10.189 | 93   | 587082   | 37.602 | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 10.430 | 162  | 433551   | 40.490 | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 10.654 | 180  | 470218   | 39.317 | ng    | 98       |
| 31) Naphthalene               | 10.836 | 128  | 1446572  | 39.087 | ng    | 99       |
| 32) Benzoic acid              | 10.095 | 122  | 330218   | 47.986 | ng    | # 86     |
| 33) 4-Chloroaniline           | 10.942 | 127  | 589240   | 40.352 | ng    | 93       |
| 34) Hexachlorobutadiene       | 11.136 | 225  | 308659   | 39.512 | ng    | 97       |
| 35) Caprolactam               | 11.730 | 113  | 142040   | 47.828 | ng    | # 77     |
| 36) 4-Chloro-3-methylphenol   | 12.066 | 107  | 508818   | 40.908 | ng    | 98       |
| 37) 2-Methylnaphthalene       | 12.448 | 142  | 987251   | 39.478 | ng    | 98       |
| 38) 1-Methylnaphthalene       | 12.666 | 142  | 964732   | 39.691 | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.813 | 216  | 509666   | 38.564 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.801 | 237  | 317582   | 38.199 | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 13.048 | 196  | 353059   | 40.951 | ng    | 96       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.119 | 196  | 379150   | 41.567 | ng    | 97       |
| 46) 1,1'-Biphenyl             | 13.448 | 154  | 1296929  | 37.979 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.489 | 162  | 988386   | 38.546 | ng    | 98       |
| 48) 2-Nitroaniline            | 13.683 | 65   | 322198   | 40.056 | ng    | 86       |
| 49) Acenaphthylene            | 14.330 | 152  | 1563981  | 39.084 | ng    | 99       |
| 50) Dimethylphthalate         | 14.066 | 163  | 1255462  | 38.684 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.177 | 165  | 255289   | 40.617 | ng    | 94       |
| 52) Acenaphthene              | 14.671 | 154  | 1021759  | 39.254 | ng    | 99       |
| 53) 3-Nitroaniline            | 14.507 | 138  | 272556   | 40.633 | ng    | 92       |
| 54) 2,4-Dinitrophenol         | 14.707 | 184  | 141463   | 48.765 | ng    | 90       |
| 55) Dibenzofuran              | 15.007 | 168  | 1501765  | 38.488 | ng    | 97       |
| 56) 4-Nitrophenol             | 14.807 | 139  | 216663   | 40.756 | ng    | # 86     |
| 57) 2,4-Dinitrotoluene        | 14.960 | 165  | 343148   | 42.756 | ng    | 85       |
| 58) Fluorene                  | 15.654 | 166  | 1154324  | 38.619 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.230 | 232  | 315903   | 41.016 | ng    | 99       |
| 60) Diethylphthalate          | 15.424 | 149  | 1267234  | 37.903 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.648 | 204  | 606410   | 39.319 | ng    | 96       |
| 62) 4-Nitroaniline            | 15.660 | 138  | 269427   | 41.238 | ng    | 90       |
| 63) Azobenzene                | 15.936 | 77   | 1207945  | 36.545 | ng    | 94       |
| 65) 4,6-Dinitro-2-methylph... | 15.724 | 198  | 195178   | 46.697 | ng    | 83       |
| 66) n-Nitrosodiphenylamine    | 15.860 | 169  | 1007227  | 39.152 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 16.536 | 248  | 352718   | 41.888 | ng    | 96       |
| 68) Hexachlorobenzene         | 16.659 | 284  | 381347   | 39.767 | ng    | 96       |
| 69) Atrazine                  | 16.807 | 200  | 343229   | 38.890 | ng    | 99       |
| 70) Pentachlorophenol         | 16.995 | 266  | 243842   | 41.812 | ng    | 99       |
| 71) Phenanthrene              | 17.389 | 178  | 1675876  | 38.472 | ng    | 99       |
| 72) Anthracene                | 17.477 | 178  | 1651147  | 38.642 | ng    | 99       |
| 73) Carbazole                 | 17.742 | 167  | 1538752  | 38.199 | ng    | 100      |
| 74) Di-n-butylphthalate       | 18.312 | 149  | 1931072  | 37.138 | ng    | 100      |
| 75) Fluoranthene              | 19.395 | 202  | 1703523  | 37.251 | ng    | 100      |
| 77) Benzidine                 | 19.571 | 184  | 675225   | 37.193 | ng    | 100      |
| 78) Pyrene                    | 19.753 | 202  | 1735898  | 40.761 | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.647 | 149  | 770586   | 40.511 | ng    | 94       |
| 81) Benzo(a)anthracene        | 21.494 | 228  | 1595257  | 38.892 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 21.424 | 252  | 614601   | 42.239 | ng    | 100      |
| 83) Chrysene                  | 21.547 | 228  | 1539366  | 39.217 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 21.424 | 149  | 1064872  | 36.751 | ng    | 98       |
| 85) Di-n-octyl phthalate      | 22.353 | 149  | 1809082  | 38.393 | ng    | # 92     |
| 87) Indeno(1,2,3-cd)pyrene    | 26.465 | 276  | 1950363  | 40.872 | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 23.188 | 252  | 1563335  | 37.893 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 23.241 | 252  | 1591376  | 39.799 | ng    | 98       |
| 90) Benzo(a)pyrene            | 23.818 | 252  | 1354650  | 39.562 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 26.482 | 278  | 1638602  | 41.341 | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 27.247 | 276  | 1599254  | 41.040 | ng    | 98       |

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

