

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG093022\  
 Data File : BG055046.D  
 Acq On : 30 Sep 2022 18:44  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040EC

Manual Integrations  
 APPROVED

Reviewed By :Jagrut  
 Upadhyay

Quant Time: Oct 01 02:14:31 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG092822.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 28 15:43:39 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.349  | 152  | 45687    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.181 | 136  | 185872   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.953 | 164  | 122066   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.691 | 188  | 254109   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.986 | 240  | 236061   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12              | 25.441 | 264  | 262724   | 20.000 | ng    | -0.02    |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.864  | 112  | 187606   | 78.717 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.473  | 99   | 255679   | 80.856 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.518  | 82   | 257484   | 89.382 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.428 | 330  | 120412   | 86.935 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.584 | 172  | 634922   | 81.876 | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.264 | 244  | 922559   | 81.495 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.701  | 88   | 39690    | 33.622 | ng    | 94       |
| 3) Pyridine                   | 4.119  | 79   | 120746   | 35.994 | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 4.024  | 42   | 60497    | 37.089 | ng    | 89       |
| 6) Aniline                    | 7.661  | 93   | 161224   | 38.698 | ng    | 98       |
| 8) 2-Chlorophenol             | 7.908  | 128  | 110032   | 41.345 | ng    | 96       |
| 9) Benzaldehyde               | 7.473  | 77   | 89951    | 44.962 | ng    | 96       |
| 10) Phenol                    | 7.503  | 94   | 143890   | 40.121 | ng    | 93       |
| 11) bis(2-Chloroethyl)ether   | 7.750  | 93   | 104823   | 38.943 | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 8.237  | 146  | 133227   | 40.897 | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 8.384  | 146  | 133807   | 40.500 | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 8.707  | 146  | 124757   | 39.961 | ng    | 99       |
| 15) Benzyl Alcohol            | 8.578  | 79   | 109450   | 40.441 | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.872  | 45   | 172146   | 38.221 | ng    | 99       |
| 17) 2-Methylphenol            | 8.772  | 107  | 100320   | 40.045 | ng    | 95       |
| 18) Hexachloroethane          | 9.448  | 117  | 46614    | 42.950 | ng    | 93       |
| 19) n-Nitroso-di-n-propyla... | 9.154  | 70   | 95198    | 38.321 | ng    | 94       |
| 20) 3+4-Methylphenols         | 9.101  | 107  | 141446   | 40.975 | ng    | 96       |
| 22) Acetophenone              | 9.171  | 105  | 178262   | 39.095 | ng    | # 98     |
| 24) Nitrobenzene              | 9.565  | 77   | 135684   | 43.473 | ng    | 98       |
| 25) Isophorone                | 10.088 | 82   | 245802   | 38.004 | ng    | 99       |
| 26) 2-Nitrophenol             | 10.276 | 139  | 59124    | 44.344 | ng    | # 93     |
| 27) 2,4-Dimethylphenol        | 10.317 | 122  | 101753   | 40.245 | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 10.564 | 93   | 131089   | 38.828 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.811 | 162  | 120966   | 42.838 | ng    | 96       |
| 30) 1,2,4-Trichlorobenzene    | 11.040 | 180  | 137200   | 41.391 | ng    | 97       |
| 31) Naphthalene               | 11.234 | 128  | 385001   | 39.712 | ng    | 99       |
| 32) Benzoic acid              | 10.441 | 122  | 81936m   | 45.314 | ng    |          |
| 33) 4-Chloroaniline           | 11.322 | 127  | 154063   | 39.067 | ng    | 98       |
| 34) Hexachlorobutadiene       | 11.510 | 225  | 91236    | 42.187 | ng    | 99       |
| 35) Caprolactam               | 12.092 | 113  | 35593    | 38.382 | ng    | 95       |
| 36) 4-Chloro-3-methylphenol   | 12.409 | 107  | 123373   | 39.597 | ng    | 94       |
| 37) 2-Methylnaphthalene       | 12.808 | 142  | 276567   | 39.758 | ng    | 98       |
| 38) 1-Methylnaphthalene       | 13.026 | 142  | 266782   | 39.723 | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 13.167 | 216  | 155633   | 43.443 | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 13.149 | 237  | 45700    | 25.191 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 13.390 | 196  | 106051   | 46.472 | ng    | 97       |

10/01/2022  
 Supervised By :mohammad  
 Ahmed

10/10/2022

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|-------------------------------|--------|------|----------|--------|-------|----------|-------------------------|
| 44) 2,4,5-Trichlorophenol     | 13.466 | 196  | 117102   | 45.119 | ng    | 98       | 10/01/2022              |
| 46) 1,1'-Biphenyl             | 13.795 | 154  | 342558   | 41.025 | ng    | 99       | Supervised By :mohammad |
| 47) 2-Chloronaphthalene       | 13.842 | 162  | 279102   | 41.358 | ng    | 97       | ahmed                   |
| 48) 2-Nitroaniline            | 14.030 | 65   | 79752    | 42.375 | ng    | 100      |                         |
| 49) Acenaphthylene            | 14.683 | 152  | 444606   | 40.602 | ng    | 98       |                         |
| 50) Dimethylphthalate         | 14.401 | 163  | 355052   | 38.921 | ng    | 99       |                         |
| 51) 2,6-Dinitrotoluene        | 14.518 | 165  | 69795    | 41.044 | ng    | 91       | 10/10/2022              |
| 52) Acenaphthene              | 15.018 | 154  | 274587   | 40.396 | ng    | 99       |                         |
| 53) 3-Nitroaniline            | 14.841 | 138  | 78770    | 39.961 | ng    | # 95     |                         |
| 54) 2,4-Dinitrophenol         | 15.041 | 184  | 23438    | 30.462 | ng    | # 31     |                         |
| 55) Dibenzofuran              | 15.347 | 168  | 431510   | 39.277 | ng    | 98       |                         |
| 56) 4-Nitrophenol             | 15.123 | 139  | 60514    | 40.989 | ng    | 94       |                         |
| 57) 2,4-Dinitrotoluene        | 15.294 | 165  | 94431    | 40.741 | ng    | 94       |                         |
| 58) Fluorene                  | 15.993 | 166  | 339256   | 38.675 | ng    | 99       |                         |
| 59) 2,3,4,6-Tetrachlorophenol | 15.564 | 232  | 101544   | 43.427 | ng    | 98       |                         |
| 60) Diethylphthalate          | 15.746 | 149  | 361551   | 38.413 | ng    | 100      |                         |
| 61) 4-Chlorophenyl-phenyle... | 15.981 | 204  | 186129   | 39.669 | ng    | 99       |                         |
| 62) 4-Nitroaniline            | 15.999 | 138  | 79615    | 40.996 | ng    | 93       |                         |
| 63) Azobenzene                | 16.269 | 77   | 326975   | 37.023 | ng    | 97       |                         |
| 65) 4,6-Dinitro-2-methylph... | 16.052 | 198  | 35464    | 36.251 | ng    | 97       |                         |
| 66) n-Nitrosodiphenylamine    | 16.187 | 169  | 294529   | 43.057 | ng    | 98       |                         |
| 67) 4-Bromophenyl-phenylether | 16.868 | 248  | 120480   | 44.015 | ng    | 98       |                         |
| 68) Hexachlorobenzene         | 16.992 | 284  | 136333   | 44.097 | ng    | 97       |                         |
| 69) Atrazine                  | 17.127 | 200  | 105212   | 41.499 | ng    | 97       |                         |
| 70) Pentachlorophenol         | 17.327 | 266  | 82359    | 47.310 | ng    | 99       |                         |
| 71) Phenanthrene              | 17.732 | 178  | 536731   | 40.913 | ng    | 98       |                         |
| 72) Anthracene                | 17.820 | 178  | 528396   | 40.833 | ng    | 98       |                         |
| 73) Carbazole                 | 18.079 | 167  | 472940   | 38.990 | ng    | 97       |                         |
| 74) Di-n-butylphthalate       | 18.625 | 149  | 582341   | 39.955 | ng    | 99       |                         |
| 75) Fluoranthene              | 19.718 | 202  | 589804   | 35.082 | ng    | 95       |                         |
| 77) Benzidine                 | 19.882 | 184  | 184427   | 31.550 | ng    | 99       |                         |
| 78) Pyrene                    | 20.076 | 202  | 621219   | 41.130 | ng    | 99       |                         |
| 80) Butylbenzylphthalate      | 20.946 | 149  | 240498   | 44.078 | ng    | 95       |                         |
| 81) Benzo(a)anthracene        | 21.962 | 228  | 609891   | 40.333 | ng    | 98       |                         |
| 82) 3,3'-Dichlorobenzidine    | 21.862 | 252  | 211660   | 43.285 | ng    | 99       |                         |
| 83) Chrysene                  | 22.039 | 228  | 585361   | 41.103 | ng    | 99       |                         |
| 84) Bis(2-ethylhexyl)phtha... | 21.851 | 149  | 346993   | 42.967 | ng    | 100      |                         |
| 85) Di-n-octyl phthalate      | 23.155 | 149  | 595080   | 43.909 | ng    | # 98     |                         |
| 87) Indeno(1,2,3-cd)pyrene    | 29.430 | 276  | 796517   | 41.497 | ng    | 97       |                         |
| 88) Benzo(b)fluoranthene      | 24.342 | 252  | 628643   | 40.187 | ng    | # 97     |                         |
| 89) Benzo(k)fluoranthene      | 24.418 | 252  | 618095   | 39.941 | ng    | # 97     |                         |
| 90) Benzo(a)pyrene            | 25.282 | 252  | 540610   | 40.892 | ng    | # 96     |                         |
| 91) Dibenzo(a,h)anthracene    | 29.506 | 278  | 651916   | 41.264 | ng    | # 96     |                         |
| 92) Benzo(g,h,i)perylene      | 30.681 | 276  | 637674   | 41.028 | ng    | # 95     |                         |

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

