

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG082022\  
 Data File : BG054672.D  
 Acq On : 19 Aug 2022 21:12  
 Operator : CG/JU  
 Sample : SSTDICC060  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDICC060

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 08/22/2022  
 Supervised By : Jagrut Upadhyay 08/22/2022

Quant Time: Aug 21 23:21:56 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG082022.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Aug 21 23:16:14 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.164  | 152  | 52967    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.984 | 136  | 201722   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.791 | 164  | 126025   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.535 | 188  | 275140   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.836 | 240  | 251318   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 25.208 | 264  | 271559   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.696  | 112  | 366882   | 144.620 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.306  | 99   | 502463   | 144.546 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.339  | 82   | 454680   | 122.746 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.278 | 330  | 176701   | 66.779  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.422 | 172  | 1003183  | 112.294 | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.138 | 244  | 1464773  | 115.623 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.551  | 88   | 84645    | 83.868  | ng    | 99       |
| 3) Pyridine                   | 3.957  | 79   | 238048m  | 92.977  | ng    |          |
| 4) n-Nitrosodimethylamine     | 3.869  | 42   | 103595   | 72.363  | ng    | 100      |
| 6) Aniline                    | 7.482  | 93   | 298663   | 74.433  | ng    | 99       |
| 8) 2-Chlorophenol             | 7.723  | 128  | 193091   | 66.232  | ng    | 98       |
| 9) Benzaldehyde               | 7.294  | 77   | 129134   | 66.131  | ng    | 98       |
| 10) Phenol                    | 7.329  | 94   | 252067   | 72.984  | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 7.576  | 93   | 199868   | 79.370  | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 8.052  | 146  | 226071   | 63.643  | ng    | 100      |
| 13) 1,4-Dichlorobenzene       | 8.199  | 146  | 228324   | 62.243  | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 8.522  | 146  | 213230   | 61.642  | ng    | 97       |
| 15) Benzyl Alcohol            | 8.399  | 79   | 182416   | 63.804  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.687  | 45   | 312940   | 98.674  | ng    | 100      |
| 17) 2-Methylphenol            | 8.593  | 107  | 174465   | 70.085  | ng    | 98       |
| 18) Hexachloroethane          | 9.257  | 117  | 81257    | 66.899  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 8.975  | 70   | 164569   | 70.896  | ng    | 99       |
| 20) 3+4-Methylphenols         | 8.928  | 107  | 242813   | 69.228  | ng    | 99       |
| 22) Acetophenone              | 8.992  | 105  | 303345   | 62.524  | ng    | 100      |
| 24) Nitrobenzene              | 9.380  | 77   | 230847   | 63.768  | ng    | 99       |
| 25) Isophorone                | 9.903  | 82   | 429550   | 66.677  | ng    | 99       |
| 26) 2-Nitrophenol             | 10.091 | 139  | 93650    | 51.322  | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 10.138 | 122  | 171126   | 67.887  | ng    | 100      |
| 28) bis(2-Chloroethoxy)met... | 10.379 | 93   | 244324   | 75.195  | ng    | 95       |
| 29) 2,4-Dichlorophenol        | 10.626 | 162  | 188133   | 49.445  | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 10.843 | 180  | 215567   | 45.746  | ng    | 99       |
| 31) Naphthalene               | 11.037 | 128  | 645466   | 63.743  | ng    | 100      |
| 32) Benzoic acid              | 10.285 | 122  | 127539   | 158.613 | ng    | 99       |
| 33) 4-Chloroaniline           | 11.137 | 127  | 267110   | 64.866  | ng    | 99       |
| 34) Hexachlorobutadiene       | 11.313 | 225  | 137102   | 32.921  | ng    | 98       |
| 35) Caprolactam               | 11.924 | 113  | 62146    | 64.868  | ng    | 97       |
| 36) 4-Chloro-3-methylphenol   | 12.241 | 107  | 199745   | 57.705  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.635 | 142  | 450907   | 57.986  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 12.852 | 142  | 437069   | 57.682  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.993 | 216  | 236817   | 42.891  | ng    | 100      |
| 41) Hexachlorocyclopentadiene | 12.970 | 237  | 129408   | 99.901  | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 13.222 | 196  | 158649   | 52.772  | ng    | 98       |

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| 44) 2,4,5-Trichlorophenol     | 13.299 | 196  | 171505   | 50.490 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 13.628 | 154  | 568152   | 65.897 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 13.675 | 162  | 430287   | 59.635 | ng    | 99       |
| 48) 2-Nitroaniline            | 13.875 | 65   | 132763   | 70.504 | ng    | 99       |
| 49) Acenaphthylene            | 14.521 | 152  | 708765   | 66.108 | ng    | 99       |
| 50) Dimethylphthalate         | 14.245 | 163  | 561237   | 57.014 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.362 | 165  | 118739   | 54.994 | ng    | 97       |
| 52) Acenaphthene              | 14.856 | 154  | 451357   | 69.522 | ng    | 100      |
| 53) 3-Nitroaniline            | 14.691 | 138  | 132970   | 73.636 | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 14.891 | 184  | 47733    | 45.501 | ng    | 93       |
| 55) Dibenzofuran              | 15.191 | 168  | 658422   | 56.998 | ng    | 100      |
| 56) 4-Nitrophenol             | 14.979 | 139  | 104035   | 86.353 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 15.144 | 165  | 158990   | 51.365 | ng #  | 97       |
| 58) Fluorene                  | 15.837 | 166  | 548788   | 57.781 | ng    | 97       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.408 | 232  | 153924   | 46.544 | ng    | 99       |
| 60) Diethylphthalate          | 15.602 | 149  | 560137   | 59.316 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 15.825 | 204  | 272975   | 43.785 | ng    | 96       |
| 62) 4-Nitroaniline            | 15.855 | 138  | 133421m  | 70.327 | ng    |          |
| 63) Azobenzene                | 16.119 | 77   | 533217   | 78.148 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 15.902 | 198  | 69384    | 40.818 | ng    | 94       |
| 66) n-Nitrosodiphenylamine    | 16.037 | 169  | 485214   | 70.634 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.724 | 248  | 176647   | 45.714 | ng    | 98       |
| 68) Hexachlorobenzene         | 16.836 | 284  | 206395   | 46.706 | ng    | 98       |
| 69) Atrazine                  | 16.983 | 200  | 145902   | 47.730 | ng    | 99       |
| 70) Pentachlorophenol         | 17.177 | 266  | 124356   | 71.920 | ng    | 98       |
| 71) Phenanthrene              | 17.582 | 178  | 875519   | 63.898 | ng    | 98       |
| 72) Anthracene                | 17.670 | 178  | 861637   | 64.082 | ng    | 98       |
| 73) Carbazole                 | 17.935 | 167  | 783234   | 70.754 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.487 | 149  | 957811   | 73.321 | ng    | 99       |
| 75) Fluoranthene              | 19.586 | 202  | 1053613  | 56.410 | ng    | 99       |
| 77) Benzidine                 | 19.756 | 184  | 243329   | 53.461 | ng    | 99       |
| 78) Pyrene                    | 19.944 | 202  | 1065061  | 73.858 | ng    | 98       |
| 80) Butylbenzylphthalate      | 20.825 | 149  | 422465   | 94.009 | ng    | 98       |
| 81) Benzo(a)anthracene        | 21.812 | 228  | 1036831  | 64.991 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.724 | 252  | 303982   | 61.267 | ng    | 99       |
| 83) Chrysene                  | 21.883 | 228  | 978630   | 64.929 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 21.713 | 149  | 603405   | 94.892 | ng    | 97       |
| 85) Di-n-octyl phthalate      | 22.982 | 149  | 1022939  | 94.296 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 29.098 | 276  | 1280202  | 61.969 | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 24.133 | 252  | 1055480  | 65.722 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 24.204 | 252  | 1036547  | 64.854 | ng    | 99       |
| 90) Benzo(a)pyrene            | 25.050 | 252  | 899660   | 65.596 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 29.174 | 278  | 1042413  | 61.364 | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 30.320 | 276  | 1040428  | 62.056 | ng    | 98       |

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

