

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG120722\  
 Data File : BG055921.D  
 Acq On : 7 Dec 2022 19:46  
 Operator : CG/JU  
 Sample : N5884-01MS  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EO-3-120522MS

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 12/08/2022  
 Supervised By : mohammad ahmed 12/08/2022

Quant Time: Dec 08 05:08:33 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG111622.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 07 05:04:10 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.160  | 152  | 37721    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.992 | 136  | 154365   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.799 | 164  | 105250   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.537 | 188  | 224449   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.820 | 240  | 219929   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 25.169 | 264  | 239959   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.692  | 112  | 267165   | 128.020 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.319  | 99   | 346432   | 124.706 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.335  | 82   | 223691   | 76.592  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.285 | 330  | 158560   | 106.986 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.418 | 172  | 496847   | 70.721  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.128 | 244  | 745081   | 67.761  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.489  | 88   | 32322    | 36.242  | ng    | 93       |
| 3) Pyridine                   | 3.906  | 79   | 91748    | 33.534  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.818  | 42   | 63732    | 43.998  | ng    | 98       |
| 6) Aniline                    | 7.478  | 93   | 57232    | 16.402  | ng    | 98       |
| 8) 2-Chlorophenol             | 7.725  | 128  | 115846   | 48.559  | ng    | 97       |
| 9) Benzaldehyde               | 7.284  | 77   | 59912m   | 31.756  | ng    |          |
| 10) Phenol                    | 7.349  | 94   | 145811   | 46.877  | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 7.566  | 93   | 109673   | 46.009  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 8.048  | 146  | 127654   | 45.511  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 8.195  | 146  | 128091   | 45.192  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.518  | 146  | 124945   | 46.002  | ng    | 97       |
| 15) Benzyl Alcohol            | 8.401  | 79   | 105430m  | 46.698  | ng    |          |
| 16) 2,2'-oxybis(1-Chloropr... | 8.688  | 45   | 198399   | 45.976  | ng    | 99       |
| 17) 2-Methylphenol            | 8.612  | 107  | 104007   | 47.097  | ng    | 99       |
| 18) Hexachloroethane          | 9.253  | 117  | 51805    | 53.104  | ng    | 92       |
| 19) n-Nitroso-di-n-propyla... | 8.965  | 70   | 88905    | 41.653  | ng    | 95       |
| 20) 3+4-Methylphenols         | 8.941  | 107  | 139725   | 45.293  | ng    | 99       |
| 22) Acetophenone              | 8.988  | 105  | 190283   | 47.438  | ng    | # 97     |
| 24) Nitrobenzene              | 9.382  | 77   | 135398   | 44.384  | ng    | 99       |
| 25) Isophorone                | 9.899  | 82   | 251316   | 45.416  | ng    | # 95     |
| 26) 2-Nitrophenol             | 10.099 | 139  | 69376    | 49.264  | ng    | 91       |
| 27) 2,4-Dimethylphenol        | 10.151 | 122  | 116462m  | 54.338  | ng    |          |
| 28) bis(2-Chloroethoxy)met... | 10.375 | 93   | 141563   | 47.652  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 10.645 | 162  | 120205   | 46.857  | ng    | 100      |
| 30) 1,2,4-Trichlorobenzene    | 10.851 | 180  | 132590   | 44.488  | ng    | 99       |
| 31) Naphthalene               | 11.039 | 128  | 372007   | 44.580  | ng    | 99       |
| 32) Benzoic acid              | 10.334 | 122  | 48574m   | 27.546  | ng    |          |
| 33) 4-Chloroaniline           | 11.150 | 127  | 71257    | 20.700  | ng    | 98       |
| 34) Hexachlorobutadiene       | 11.315 | 225  | 88547    | 43.510  | ng    | 97       |
| 35) Caprolactam               | 11.932 | 113  | 42349m   | 47.704  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.273 | 107  | 126464   | 44.852  | ng    | 95       |
| 37) 2-Methylnaphthalene       | 12.637 | 142  | 289969   | 46.409  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 12.854 | 142  | 268456   | 44.259  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 13.001 | 216  | 157700   | 47.679  | ng    | 100      |
| 41) Hexachlorocyclopentadiene | 12.972 | 237  | 43984    | 26.385  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 13.242 | 196  | 97260    | 43.108  | ng    | 96       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.324 | 196  | 105506   | 42.553 | ng    | 95       |
| 46) 1,1'-Biphenyl             | 13.630 | 154  | 358181   | 46.701 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 13.683 | 162  | 267367   | 44.849 | ng    | 97       |
| 48) 2-Nitroaniline            | 13.882 | 65   | 87929    | 44.862 | ng    | 99       |
| 49) Acenaphthylene            | 14.523 | 152  | 429300   | 43.731 | ng    | 99       |
| 50) Dimethylphthalate         | 14.241 | 163  | 331041   | 39.456 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.370 | 165  | 73434    | 42.806 | ng    | 92       |
| 52) Acenaphthene              | 14.864 | 154  | 300361m  | 46.815 | ng    |          |
| 53) 3-Nitroaniline            | 14.705 | 138  | 53703    | 28.516 | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 14.922 | 184  | 60816    | 61.657 | ng    | 97       |
| 55) Dibenzofuran              | 15.193 | 168  | 424578   | 42.897 | ng    | 97       |
| 56) 4-Nitrophenol             | 15.022 | 139  | 105873   | 71.630 | ng    | 89       |
| 57) 2,4-Dinitrotoluene        | 15.163 | 165  | 103674   | 42.863 | ng    | 96       |
| 58) Fluorene                  | 15.839 | 166  | 342026   | 43.266 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.422 | 232  | 87226    | 36.307 | ng    | # 87     |
| 60) Diethylphthalate          | 15.592 | 149  | 324383   | 38.241 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.821 | 204  | 181756   | 41.827 | ng    | 95       |
| 62) 4-Nitroaniline            | 15.868 | 138  | 68969    | 35.035 | ng    | 95       |
| 63) Azobenzene                | 16.115 | 77   | 306911   | 41.443 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 15.927 | 198  | 50685    | 40.441 | ng    | 90       |
| 66) n-Nitrosodiphenylamine    | 16.039 | 169  | 295700   | 47.805 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.720 | 248  | 118323   | 46.268 | ng    | 97       |
| 68) Hexachlorobenzene         | 16.850 | 284  | 127636   | 45.011 | ng    | 98       |
| 69) Atrazine                  | 16.979 | 200  | 115785   | 47.329 | ng    | 99       |
| 70) Pentachlorophenol         | 17.196 | 266  | 108032m  | 62.278 | ng    |          |
| 71) Phenanthrene              | 17.584 | 178  | 614093   | 50.700 | ng    | 99       |
| 72) Anthracene                | 17.672 | 178  | 550125   | 46.746 | ng    | 99       |
| 73) Carbazole                 | 17.942 | 167  | 466091   | 44.055 | ng    | 98       |
| 74) Di-n-butylphthalate       | 18.471 | 149  | 553924   | 42.166 | ng    | 99       |
| 75) Fluoranthene              | 19.582 | 202  | 739057   | 50.155 | ng    | 99       |
| 77) Benzidine                 | 19.758 | 184  | 180229   | 35.423 | ng    | 99       |
| 78) Pyrene                    | 19.946 | 202  | 762488   | 51.220 | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.804 | 149  | 248473   | 42.636 | ng    | 98       |
| 81) Benzo(a)anthracene        | 21.803 | 228  | 727325   | 48.015 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.703 | 252  | 57276    | 10.761 | ng    | 98       |
| 83) Chrysene                  | 21.873 | 228  | 672955   | 46.666 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.667 | 149  | 366832   | 43.799 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 22.907 | 149  | 629948   | 43.951 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 29.047 | 276  | 789882   | 40.181 | ng    | # 97     |
| 88) Benzo(b)fluoranthene      | 24.106 | 252  | 771132   | 49.345 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 24.176 | 252  | 693380   | 44.512 | ng    | 98       |
| 90) Benzo(a)pyrene            | 25.022 | 252  | 673744   | 50.241 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 29.106 | 278  | 623593   | 38.819 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 30.263 | 276  | 659488   | 40.733 | ng    | 99       |

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

