

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG041822\  
 Data File : BG053180.D  
 Acq On : 18 Apr 2022 15:04  
 Operator : CG/JU  
 Sample : N2444-01MS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-1MS

Manual Integrations  
 APPROVED

Reviewed By : Christian  
 Giraldo

Quant Time: Apr 19 04:20:35 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG040822.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 08 15:31:24 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.116  | 152  | 30998    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.930 | 136  | 118854   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.737 | 164  | 89224    | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 17.480 | 188  | 215866   | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12              | 21.768 | 240  | 232959   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 25.064 | 264  | 251045   | 20.000  | ng    | #-0.01   |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.684  | 112  | 187576   | 103.729 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.276  | 99   | 266718   | 95.645  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.279  | 82   | 179428   | 61.297  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.229 | 330  | 132387   | 93.262  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.362 | 172  | 404557   | 62.522  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.082 | 244  | 833832   | 60.451  | ng    | -0.01    |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.563  | 88   | 37144    | 43.012  | ng    | 93       |
| 3) Pyridine                   | 3.963  | 79   | 90852    | 39.888  | ng    | 89       |
| 4) n-Nitrosodimethylamine     | 3.875  | 42   | 51857    | 45.977  | ng    | 86       |
| 6) Aniline                    | 7.435  | 93   | 94487    | 29.236  | ng    | 98       |
| 8) 2-Chlorophenol             | 7.681  | 128  | 92674    | 47.471  | ng    | 95       |
| 9) Benzaldehyde               | 7.247  | 77   | 71303m   | 42.776  | ng    |          |
| 10) Phenol                    | 7.305  | 94   | 127762   | 46.027  | ng    | 89       |
| 11) bis(2-Chloroethyl)ether   | 7.529  | 93   | 88681    | 44.320  | ng    | 94       |
| 12) 1,3-Dichlorobenzene       | 8.005  | 146  | 99508m   | 43.864  | ng    |          |
| 13) 1,4-Dichlorobenzene       | 8.151  | 146  | 100810   | 43.589  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 8.474  | 146  | 97591    | 43.758  | ng    | 98       |
| 15) Benzyl Alcohol            | 8.351  | 79   | 104723   | 42.249  | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.639  | 45   | 140401   | 42.028  | ng    | 99       |
| 17) 2-Methylphenol            | 8.557  | 107  | 83437    | 44.420  | ng    | 95       |
| 18) Hexachloroethane          | 9.209  | 117  | 37009    | 42.673  | ng    | 94       |
| 19) n-Nitroso-di-n-propyla... | 8.915  | 70   | 81430    | 39.886  | ng    | 96       |
| 20) 3+4-Methylphenols         | 8.886  | 107  | 115143   | 43.423  | ng    | 90       |
| 22) Acetophenone              | 8.939  | 105  | 142137   | 43.106  | ng    | # 94     |
| 24) Nitrobenzene              | 9.320  | 77   | 126240   | 44.338  | ng    | 91       |
| 25) Isophorone                | 9.843  | 82   | 220597   | 44.338  | ng    | 98       |
| 26) 2-Nitrophenol             | 10.031 | 139  | 51759    | 43.474  | ng    | # 84     |
| 27) 2,4-Dimethylphenol        | 10.090 | 122  | 91894    | 53.893  | ng    | 94       |
| 28) bis(2-Chloroethoxy)met... | 10.319 | 93   | 118907   | 42.540  | ng    | 97       |
| 29) 2,4-Dichlorophenol        | 10.578 | 162  | 99858    | 46.585  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 10.789 | 180  | 102246   | 42.144  | ng    | 99       |
| 31) Naphthalene               | 10.977 | 128  | 272774   | 43.017  | ng    | 99       |
| 32) Benzoic acid              | 10.237 | 122  | 51672    | 46.672  | ng    | 91       |
| 33) 4-Chloroaniline           | 11.083 | 127  | 61987    | 22.827  | ng    | 97       |
| 34) Hexachlorobutadiene       | 11.265 | 225  | 77102    | 42.783  | ng    | 97       |
| 35) Caprolactam               | 11.846 | 113  | 32456m   | 42.955  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.199 | 107  | 111219   | 44.567  | ng    | 94       |
| 37) 2-Methylnaphthalene       | 12.575 | 142  | 200069   | 42.639  | ng    | 97       |
| 38) 1-Methylnaphthalene       | 12.792 | 142  | 192785m  | 42.093  | ng    |          |
| 40) 1,2,4,5-Tetrachloroben... | 12.945 | 216  | 127913   | 42.210  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 12.927 | 237  | 154324   | 98.652  | ng    | 93       |
| 43) 2,4,6-Trichlorophenol     | 13.180 | 196  | 89438    | 42.807  | ng    | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG041822\  
 Data File : BG053180.D  
 Acq On : 18 Apr 2022 15:04  
 Operator : CG/JU  
 Sample : N2444-01MS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-1MS

Manual Integrations  
 APPROVED

Reviewed By : Christian  
 Giraldo

Quant Time: Apr 19 04:20:35 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG040822.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 08 15:31:24 2022  
 Response via : Initial Calibration

| Compound                       | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |                                |
|--------------------------------|--------|------|----------|--------|-------|----------|--------------------------------|
| 44) 2,4,5-Trichlorophenol      | 13.250 | 196  | 99259    | 44.582 | ng    | 94       | 04/19/2022                     |
| 46) 1,1'-Biphenyl              | 13.573 | 154  | 279010   | 43.423 | ng    | 98       | Supervised By :Jagrut Upadhyay |
| 47) 2-Chloronaphthalene        | 13.620 | 162  | 217089   | 42.348 | ng    | 97       |                                |
| 48) 2-Nitroaniline             | 13.814 | 65   | 84628    | 43.501 | ng    | 93       |                                |
| 49) Acenaphthylene             | 14.461 | 152  | 364464   | 45.418 | ng    | 99       |                                |
| 50) Dimethylphthalate          | 14.184 | 163  | 300573   | 42.118 | ng    | 99       |                                |
| 51) 2,6-Dinitrotoluene         | 14.308 | 165  | 64015    | 42.998 | ng    | # 85     | 04/19/2022                     |
| 52) Acenaphthene               | 14.801 | 154  | 266850m  | 49.036 | ng    |          |                                |
| 53) 3-Nitroaniline             | 14.637 | 138  | 38799    | 24.646 | ng    | # 97     |                                |
| 54) 2,4-Dinitrophenol          | 14.842 | 184  | 82255    | 86.831 | ng    | # 84     |                                |
| 55) Dibenzofuran               | 15.136 | 168  | 350116   | 41.088 | ng    | 98       |                                |
| 56) 4-Nitrophenol              | 14.948 | 139  | 110258   | 91.832 | ng    | # 75     |                                |
| 57) 2,4-Dinitrotoluene         | 15.095 | 165  | 92791    | 43.778 | ng    | 91       |                                |
| 58) Fluorene                   | 15.782 | 166  | 287708   | 41.804 | ng    | 98       |                                |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.365 | 232  | 91949    | 42.526 | ng    | 98       |                                |
| 60) Diethylphthalate           | 15.541 | 149  | 308749   | 41.292 | ng    | 99       |                                |
| 61) 4-Chlorophenyl-phenylether | 15.771 | 204  | 161391   | 41.368 | ng    | 97       |                                |
| 62) 4-Nitroaniline             | 15.800 | 138  | 66881    | 40.261 | ng    | # 73     |                                |
| 63) Azobenzene                 | 16.064 | 77   | 309969   | 41.117 | ng    | 97       |                                |
| 65) 4,6-Dinitro-2-methylph...  | 15.859 | 198  | 61003    | 40.506 | ng    | 93       |                                |
| 66) n-Nitrosodiphenylamine     | 15.982 | 169  | 261806   | 42.175 | ng    | 100      |                                |
| 67) 4-Bromophenyl-phenylether  | 16.663 | 248  | 112371   | 40.626 | ng    | 94       |                                |
| 68) Hexachlorobenzene          | 16.793 | 284  | 126462   | 42.218 | ng    | # 89     |                                |
| 69) Atrazine                   | 16.928 | 200  | 116276   | 47.953 | ng    | 99       |                                |
| 70) Pentachlorophenol          | 17.133 | 266  | 148609   | 90.776 | ng    | 90       |                                |
| 71) Phenanthrene               | 17.527 | 178  | 502636   | 42.629 | ng    | 96       |                                |
| 72) Anthracene                 | 17.615 | 178  | 509556   | 43.622 | ng    | 99       |                                |
| 73) Carbazole                  | 17.879 | 167  | 479477   | 42.226 | ng    | 100      |                                |
| 74) Di-n-butylphthalate        | 18.432 | 149  | 550457   | 42.744 | ng    | 98       |                                |
| 75) Fluoranthene               | 19.530 | 202  | 679076   | 44.930 | ng    | 99       |                                |
| 77) Benzidine                  | 19.700 | 184  | 261809   | 39.389 | ng    | 98       |                                |
| 78) Pyrene                     | 19.894 | 202  | 668988   | 40.321 | ng    | 99       |                                |
| 80) Butylbenzylphthalate       | 20.764 | 149  | 253332   | 40.956 | ng    | 96       |                                |
| 81) Benzo(a)anthracene         | 21.745 | 228  | 685092   | 43.012 | ng    | 98       |                                |
| 82) 3,3'-Dichlorobenzidine     | 21.651 | 252  | 142867   | 24.389 | ng    | 98       |                                |
| 83) Chrysene                   | 21.815 | 228  | 624466   | 42.244 | ng    | 99       |                                |
| 84) Bis(2-ethylhexyl)phtha...  | 21.639 | 149  | 360986   | 43.175 | ng    | 99       |                                |
| 85) Di-n-octyl phthalate       | 22.873 | 149  | 612943   | 43.834 | ng    | 97       |                                |
| 87) Indeno(1,2,3-cd)pyrene     | 28.841 | 276  | 798237   | 42.798 | ng    | # 97     |                                |
| 88) Benzo(b)fluoranthene       | 24.018 | 252  | 741234   | 46.797 | ng    | 99       |                                |
| 89) Benzo(k)fluoranthene       | 24.089 | 252  | 671718   | 43.149 | ng    | 99       |                                |
| 90) Benzo(a)pyrene             | 24.911 | 252  | 700578   | 51.918 | ng    | 100      |                                |
| 91) Dibenzo(a,h)anthracene     | 28.900 | 278  | 683641   | 44.534 | ng    | 97       |                                |
| 92) Benzo(g,h,i)perylene       | 30.028 | 276  | 678338   | 44.833 | ng    | 97       |                                |

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

