

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG040521\  
 Data File : BG048583.D  
 Acq On : 5 Apr 2021 14:36  
 Operator : CG/JU  
 Sample : M1932-01MS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TS-1MS

Manual Integrations  
 APPROVED

mohammad  
 4/6/2021 3:22:11 PM

Quant Time: Apr 05 15:13:34 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG033021.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 02 10:20:56 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.094  | 152  | 26854    | 20.00  | ng    | # 0.00   |
| 21) Naphthalene-d8            | 10.920 | 136  | 114624   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.745 | 164  | 78297    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.500 | 188  | 180202   | 20.00  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.801 | 240  | 170234   | 20.00  | ng    | # 0.00   |
| 86) Perylene-d12              | 25.138 | 264  | 175045   | 20.00  | ng    | -0.01    |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.638  | 112  | 148405   | 97.57  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.242  | 99   | 194761   | 88.29  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.257  | 82   | 129951   | 54.89  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 16.237 | 330  | 89529    | 86.99  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.364 | 172  | 292476   | 55.52  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.109 | 244  | 455065   | 48.89  | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.499  | 88   | 26999    | 44.12  | ng    | 92       |
| 3) Pyridine                   | 3.904  | 79   | 68598    | 44.71  | ng    | 94       |
| 4) n-Nitrosodimethylamine     | 3.822  | 42   | 48022    | 47.91  | ng    | # 99     |
| 6) Aniline                    | 7.406  | 93   | 58030    | 22.90  | ng    | 98       |
| 8) 2-Chlorophenol             | 7.653  | 128  | 88170    | 51.29  | ng    | 100      |
| 9) Benzaldehyde               | 7.218  | 77   | 63482    | 45.02  | ng    | 98       |
| 10) Phenol                    | 7.271  | 94   | 116462   | 52.73  | ng    | 96       |
| 11) bis(2-Chloroethyl)ether   | 7.506  | 93   | 71217    | 46.47  | ng    | 96       |
| 12) 1,3-Dichlorobenzene       | 7.982  | 146  | 95530    | 49.33  | ng    | 96       |
| 13) 1,4-Dichlorobenzene       | 8.129  | 146  | 97897    | 50.14  | ng    | 94       |
| 14) 1,2-Dichlorobenzene       | 8.446  | 146  | 91305    | 48.83  | ng    | 95       |
| 15) Benzyl Alcohol            | 8.329  | 79   | 90950    | 50.33  | ng    | 94       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.617  | 45   | 70509    | 47.70  | ng    | 95       |
| 17) 2-Methylphenol            | 8.534  | 107  | 75377    | 52.75  | ng    | 90       |
| 18) Hexachloroethane          | 9.186  | 117  | 34465    | 47.51  | ng    | # 71     |
| 19) n-Nitroso-di-n-propyla... | 8.899  | 70   | 68057    | 44.76  | ng    | 98       |
| 20) 3+4-Methylphenols         | 8.863  | 107  | 103653   | 52.26  | ng    | 93       |
| 22) Acetophenone              | 8.916  | 105  | 133972   | 45.33  | ng    | # 91     |
| 24) Nitrobenzene              | 9.304  | 77   | 103759   | 44.66  | ng    | 97       |
| 25) Isophorone                | 9.827  | 82   | 190532   | 43.58  | ng    | 97       |
| 26) 2-Nitrophenol             | 10.021 | 139  | 50150    | 46.98  | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 10.074 | 122  | 92534    | 55.09  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 10.315 | 93   | 101359   | 50.58  | ng    | 97       |
| 29) 2,4-Dichlorophenol        | 10.561 | 162  | 93277    | 49.04  | ng    | 90       |
| 30) 1,2,4-Trichlorobenzene    | 10.779 | 180  | 96846    | 44.31  | ng    | 95       |
| 31) Naphthalene               | 10.967 | 128  | 263912   | 44.78  | ng    | 97       |
| 32) Benzoic acid              | 10.203 | 122  | 64392    | 49.83  | ng    | 89       |
| 33) 4-Chloroaniline           | 11.072 | 127  | 24793    | 9.97   | ng    | # 95     |
| 34) Hexachlorobutadiene       | 11.249 | 225  | 71802    | 44.99  | ng    | 88       |
| 35) Caprolactam               | 11.848 | 113  | 32099m   | 46.26  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.195 | 107  | 104123   | 48.75  | ng    | 91       |
| 37) 2-Methylnaphthalene       | 12.577 | 142  | 209371   | 44.62  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 12.794 | 142  | 195648   | 43.72  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 12.941 | 216  | 114636   | 47.23  | ng    | 96       |
| 41) Hexachlorocyclopentadiene | 12.917 | 237  | 176064   | 125.22 | ng    | 93       |
| 43) 2,4,6-Trichlorophenol     | 13.176 | 196  | 84942    | 50.91  | ng    | 95       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.252 | 196  | 92847    | 52.02  | ng    | 95       |
| 46) 1,1'-Biphenyl             | 13.575 | 154  | 279709   | 48.89  | ng    | 95       |
| 47) 2-Chloronaphthalene       | 13.622 | 162  | 207217   | 47.54  | ng    | 98       |
| 48) 2-Nitroaniline            | 13.822 | 65   | 68877    | 49.71  | ng    | 92       |
| 49) Acenaphthylene            | 14.468 | 152  | 347830   | 50.91  | ng    | 100      |
| 50) Dimethylphthalate         | 14.192 | 163  | 287015   | 49.39  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.316 | 165  | 61756    | 46.45  | ng    | 95       |
| 52) Acenaphthene              | 14.809 | 154  | 227608   | 46.05  | ng    | 95       |
| 53) 3-Nitroaniline            | 14.645 | 138  | 18411    | 14.12  | ng    | 92       |
| 54) 2,4-Dinitrophenol         | 14.850 | 184  | 84384    | 112.87 | ng    | 97       |
| 55) Dibenzofuran              | 15.144 | 168  | 327467   | 45.37  | ng    | 96       |
| 56) 4-Nitrophenol             | 14.956 | 139  | 106511   | 101.21 | ng    | 90       |
| 57) 2,4-Dinitrotoluene        | 15.103 | 165  | 86697    | 46.10  | ng    | # 98     |
| 58) Fluorene                  | 15.796 | 166  | 276428   | 45.75  | ng    | 96       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.367 | 232  | 84667m   | 48.62  | ng    |          |
| 60) Diethylphthalate          | 15.555 | 149  | 283819   | 47.53  | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 15.785 | 204  | 150362   | 46.25  | ng    | 98       |
| 62) 4-Nitroaniline            | 15.808 | 138  | 60009    | 44.01  | ng    | 96       |
| 63) Azobenzene                | 16.078 | 77   | 258170   | 43.95  | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 15.867 | 198  | 56261    | 51.96  | ng    | 92       |
| 66) n-Nitrosodiphenylamine    | 15.996 | 169  | 248348   | 48.44  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.684 | 248  | 94917    | 47.52  | ng    | 98       |
| 68) Hexachlorobenzene         | 16.801 | 284  | 100912   | 48.38  | ng    | 99       |
| 69) Atrazine                  | 16.948 | 200  | 105944   | 50.67  | ng    | 96       |
| 70) Pentachlorophenol         | 17.148 | 266  | 139456   | 107.57 | ng    | 92       |
| 71) Phenanthrene              | 17.541 | 178  | 439184   | 46.95  | ng    | 98       |
| 72) Anthracene                | 17.635 | 178  | 439529   | 47.15  | ng    | 98       |
| 73) Carbazole                 | 17.900 | 167  | 400416   | 45.30  | ng    | 97       |
| 74) Di-n-butylphthalate       | 18.452 | 149  | 462667   | 46.85  | ng    | 98       |
| 75) Fluoranthene              | 19.551 | 202  | 517233   | 44.60  | ng    | 98       |
| 77) Benzidine                 | 19.733 | 184  | 313984   | 54.47  | ng    | 99       |
| 78) Pyrene                    | 19.915 | 202  | 518382   | 44.29  | ng    | 97       |
| 80) Butylbenzylphthalate      | 20.796 | 149  | 205550   | 47.28  | ng    | 99       |
| 81) Benzo(a)anthracene        | 21.778 | 228  | 518314   | 45.57  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.689 | 252  | 46485    | 11.90  | ng    | 92       |
| 83) Chrysene                  | 21.848 | 228  | 488081   | 44.97  | ng    | 94       |
| 84) Bis(2-ethylhexyl)phtha... | 21.672 | 149  | 292218   | 48.26  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 22.929 | 149  | 511631   | 48.47  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 28.975 | 276  | 581242   | 47.36  | ng    | # 100    |
| 88) Benzo(b)fluoranthene      | 24.075 | 252  | 524978   | 46.18  | ng    | # 95     |
| 89) Benzo(k)fluoranthene      | 24.145 | 252  | 491227   | 44.94  | ng    | 98       |
| 90) Benzo(a)pyrene            | 24.980 | 252  | 464309   | 44.31  | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 29.057 | 278  | 493416   | 47.11  | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 30.174 | 276  | 481875   | 46.98  | ng    | 96       |

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

