

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG042221\  
 Data File : BG048845.D  
 Acq On : 22 Apr 2021 13:41  
 Operator : CG/JU  
 Sample : M2042-03MSD  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 FS-SB12A(7-8)MSD

Manual Integrations  
 APPROVED

mohammad  
 4/23/2021 4:00:48 PM

Quant Time: Apr 22 14:40:05 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG041421.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 20 17:33:30 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.062  | 152  | 21729    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.894 | 136  | 87372    | 20.00  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.725 | 164  | 57422    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.480 | 188  | 134262   | 20.00  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.787 | 240  | 122770   | 20.00  | ng    | # 0.00   |
| 86) Perylene-d12              | 25.118 | 264  | 123564   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.618  | 112  | 173922   | 133.87 | ng    | 0.01     |
| 7) Phenol-d6                  | 7.233  | 99   | 226344   | 123.17 | ng    | 0.01     |
| 23) Nitrobenzene-d5           | 9.237  | 82   | 166718   | 85.43  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.223 | 330  | 93280    | 121.16 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.344 | 172  | 346613   | 87.17  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.095 | 244  | 569132   | 79.79  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.461  | 88   | 19042    | 37.41  | ng    | # 96     |
| 3) Pyridine                   | 3.867  | 79   | 53489    | 40.31  | ng    | # 86     |
| 4) n-Nitrosodimethylamine     | 3.785  | 42   | 41807    | 41.27  | ng    | 90       |
| 6) Aniline                    | 7.380  | 93   | 43119    | 20.91  | ng    | 98       |
| 8) 2-Chlorophenol             | 7.627  | 128  | 65995    | 47.88  | ng    | 96       |
| 9) Benzaldehyde               | 7.192  | 77   | 46474    | 38.17  | ng    | 92       |
| 10) Phenol                    | 7.257  | 94   | 88541    | 49.00  | ng    | 94       |
| 11) bis(2-Chloroethyl)ether   | 7.474  | 93   | 55143    | 45.28  | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 7.950  | 146  | 70607    | 44.56  | ng    | 95       |
| 13) 1,4-Dichlorobenzene       | 8.097  | 146  | 71532    | 44.30  | ng    | 96       |
| 14) 1,2-Dichlorobenzene       | 8.420  | 146  | 67147    | 45.06  | ng    | 96       |
| 15) Benzyl Alcohol            | 8.303  | 79   | 71867    | 44.38  | ng    | 94       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.591  | 45   | 62476    | 47.33  | ng    | 93       |
| 17) 2-Methylphenol            | 8.514  | 107  | 54407    | 47.16  | ng    | 91       |
| 18) Hexachloroethane          | 9.149  | 117  | 28846    | 45.48  | ng    | 92       |
| 19) n-Nitroso-di-n-propyla... | 8.873  | 70   | 54142    | 43.67  | ng    | 92       |
| 20) 3+4-Methylphenols         | 8.849  | 107  | 75179    | 47.23  | ng    | 97       |
| 22) Acetophenone              | 8.890  | 105  | 101110   | 44.46  | ng    | # 97     |
| 24) Nitrobenzene              | 9.278  | 77   | 85110    | 43.72  | ng    | 94       |
| 25) Isophorone                | 9.801  | 82   | 144048   | 41.74  | ng    | 96       |
| 26) 2-Nitrophenol             | 9.995  | 139  | 35183    | 41.76  | ng    | # 85     |
| 27) 2,4-Dimethylphenol        | 10.054 | 122  | 66159    | 51.08  | ng    | 85       |
| 28) bis(2-Chloroethoxy)met... | 10.283 | 93   | 74242    | 49.38  | ng    | # 90     |
| 29) 2,4-Dichlorophenol        | 10.541 | 162  | 63473    | 43.45  | ng    | 94       |
| 30) 1,2,4-Trichlorobenzene    | 10.747 | 180  | 72236    | 42.65  | ng    | 93       |
| 31) Naphthalene               | 10.941 | 128  | 198902   | 44.37  | ng    | # 94     |
| 32) Benzoic acid              | 10.236 | 122  | 21519    | 28.36  | ng    | 85       |
| 33) 4-Chloroaniline           | 11.052 | 127  | 22346    | 11.98  | ng    | # 92     |
| 34) Hexachlorobutadiene       | 11.223 | 225  | 52725    | 41.93  | ng    | 93       |
| 35) Caprolactam               | 11.834 | 113  | 24108m   | 48.57  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.186 | 107  | 73461    | 44.41  | ng    | 94       |
| 37) 2-Methylnaphthalene       | 12.551 | 142  | 150935   | 42.13  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.768 | 142  | 138653   | 41.60  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 12.915 | 216  | 87838    | 47.00  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.892 | 237  | 62254    | 62.46  | ng    | 89       |
| 43) 2,4,6-Trichlorophenol     | 13.156 | 196  | 55766    | 44.71  | ng    | 91       |

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| 44) 2,4,5-Trichlorophenol     | 13.238 | 196  | 59264    | 44.74 | ng    | 94       |
| 46) 1,1'-Biphenyl             | 13.555 | 154  | 198091   | 46.70 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 13.602 | 162  | 147526   | 45.53 | ng    | 99       |
| 48) 2-Nitroaniline            | 13.802 | 65   | 55828    | 47.95 | ng    | 97       |
| 49) Acenaphthylene            | 14.448 | 152  | 249000   | 49.26 | ng    | 98       |
| 50) Dimethylphthalate         | 14.172 | 163  | 214862   | 49.88 | ng    | # 98     |
| 51) 2,6-Dinitrotoluene        | 14.296 | 165  | 44290    | 44.57 | ng    | 96       |
| 52) Acenaphthene              | 14.789 | 154  | 154418   | 48.11 | ng    | 96       |
| 53) 3-Nitroaniline            | 14.631 | 138  | 17953    | 18.82 | ng    | # 78     |
| 54) 2,4-Dinitrophenol         | 14.842 | 184  | 42325    | 71.55 | ng    | 92       |
| 55) Dibenzofuran              | 15.124 | 168  | 235237   | 44.27 | ng    | 98       |
| 56) 4-Nitrophenol             | 14.954 | 139  | 64409    | 91.13 | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 15.089 | 165  | 61948    | 42.93 | ng    | # 95     |
| 58) Fluorene                  | 15.776 | 166  | 200966   | 46.05 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 15.353 | 232  | 54053    | 44.10 | ng    | 95       |
| 60) Diethylphthalate          | 15.535 | 149  | 204965   | 46.00 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.759 | 204  | 105838   | 44.10 | ng    | 98       |
| 62) 4-Nitroaniline            | 15.800 | 138  | 41767    | 40.95 | ng    | 93       |
| 63) Azobenzene                | 16.058 | 77   | 199373   | 44.43 | ng    | 94       |
| 65) 4,6-Dinitro-2-methylph... | 15.859 | 198  | 35310    | 39.28 | ng    | 96       |
| 66) n-Nitrosodiphenylamine    | 15.982 | 169  | 173684   | 45.77 | ng    | 96       |
| 67) 4-Bromophenyl-phenylether | 16.658 | 248  | 70026    | 45.32 | ng    | 96       |
| 68) Hexachlorobenzene         | 16.781 | 284  | 72338    | 46.22 | ng    | 94       |
| 69) Atrazine                  | 16.928 | 200  | 76277    | 48.34 | ng    | 92       |
| 70) Pentachlorophenol         | 17.134 | 266  | 63568    | 76.21 | ng    | 98       |
| 71) Phenanthrene              | 17.527 | 178  | 361986   | 51.95 | ng    | 97       |
| 72) Anthracene                | 17.615 | 178  | 331836   | 48.12 | ng    | 97       |
| 73) Carbazole                 | 17.892 | 167  | 287244   | 43.49 | ng    | 98       |
| 74) Di-n-butylphthalate       | 18.432 | 149  | 335554   | 45.32 | ng    | 98       |
| 75) Fluoranthene              | 19.543 | 202  | 511256   | 58.01 | ng    | 97       |
| 77) Benzidine                 | 19.719 | 184  | 155720   | 46.71 | ng    | 97       |
| 78) Pyrene                    | 19.901 | 202  | 504191   | 59.36 | ng    | 98       |
| 80) Butylbenzylphthalate      | 20.776 | 149  | 138492   | 41.70 | ng    | 94       |
| 81) Benzo(a)anthracene        | 21.763 | 228  | 469348   | 55.94 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 21.669 | 252  | 44656    | 15.52 | ng    | 94       |
| 83) Chrysene                  | 21.834 | 228  | 418481   | 52.37 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 21.652 | 149  | 202851   | 43.63 | ng    | 98       |
| 85) Di-n-octyl phthalate      | 22.897 | 149  | 345430   | 43.64 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 28.955 | 276  | 480228   | 52.92 | ng    | # 97     |
| 88) Benzo(b)fluoranthene      | 24.061 | 252  | 500380   | 59.69 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 24.131 | 252  | 399825m  | 50.72 | ng    |          |
| 90) Benzo(a)pyrene            | 24.960 | 252  | 424459   | 54.96 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 29.026 | 278  | 352470   | 45.28 | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 30.165 | 276  | 413379   | 53.80 | ng    | 99       |

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

