

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG061421\  
 Data File : BG048965.D  
 Acq On : 15 Jun 2021 4:27  
 Operator : CG/JU  
 Sample : M2673-04MS  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 17-B6(88-92)MS

Manual Integrations  
 APPROVED

mohammad  
 6/15/2021 2:38:40 PM

Quant Time: Jun 15 06:28:26 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG061121.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 11 16:03:10 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.120  | 152  | 40800    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.947 | 136  | 164751   | 20.00  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.766 | 164  | 115895   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.515 | 188  | 259050   | 20.00  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.810 | 240  | 255559   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12              | 25.142 | 264  | 271242   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.676  | 112  | 336166   | 128.26 | ng    | 0.01     |
| 7) Phenol-d6                  | 7.280  | 99   | 411934   | 104.86 | ng    | 0.02     |
| 23) Nitrobenzene-d5           | 9.290  | 82   | 347358   | 90.91  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.252 | 330  | 233164   | 135.79 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.385 | 172  | 708042   | 86.30  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.118 | 244  | 1145783  | 82.11  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.555  | 88   | 42393    | 33.13  | ng    | # 1      |
| 3) Pyridine                   | 3.967  | 79   | 102191   | 29.44  | ng    | 90       |
| 4) n-Nitrosodimethylamine     | 3.867  | 42   | 79055    | 47.56  | ng    | # 70     |
| 6) Aniline                    | 7.439  | 93   | 69481    | 14.04  | ng    | # 94     |
| 8) 2-Chlorophenol             | 7.686  | 128  | 131435   | 45.50  | ng    | 86       |
| 9) Benzaldehyde               | 7.251  | 77   | 110095   | 54.16  | ng    | 91       |
| 10) Phenol                    | 7.304  | 94   | 157942   | 38.92  | ng    | 90       |
| 11) bis(2-Chloroethyl)ether   | 7.533  | 93   | 126398   | 41.98  | ng    | 81       |
| 12) 1,3-Dichlorobenzene       | 8.009  | 146  | 122846   | 38.07  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 8.156  | 146  | 126646   | 39.36  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 8.479  | 146  | 122791   | 39.67  | ng    | 94       |
| 15) Benzyl Alcohol            | 8.355  | 79   | 157256   | 43.71  | ng    | 95       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.649  | 45   | 238046   | 41.78  | ng    | 82       |
| 17) 2-Methylphenol            | 8.567  | 107  | 119885   | 45.05  | ng    | 96       |
| 18) Hexachloroethane          | 9.219  | 117  | 50494    | 39.12  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 8.931  | 70   | 118903   | 38.72  | ng    | # 94     |
| 20) 3+4-Methylphenols         | 8.896  | 107  | 156811   | 43.09  | ng    | 97       |
| 22) Acetophenone              | 8.943  | 105  | 228898   | 45.67  | ng    | # 96     |
| 24) Nitrobenzene              | 9.331  | 77   | 186804   | 43.40  | ng    | 97       |
| 25) Isophorone                | 9.860  | 82   | 310660   | 37.32  | ng    | 98       |
| 26) 2-Nitrophenol             | 10.048 | 139  | 71520    | 48.99  | ng    | 93       |
| 27) 2,4-Dimethylphenol        | 10.106 | 122  | 125675   | 47.48  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 10.341 | 93   | 174952   | 45.39  | ng    | 94       |
| 29) 2,4-Dichlorophenol        | 10.594 | 162  | 134500   | 45.29  | ng    | 91       |
| 30) 1,2,4-Trichlorobenzene    | 10.800 | 180  | 140543   | 41.28  | ng    | 94       |
| 31) Naphthalene               | 10.994 | 128  | 397167   | 40.47  | ng    | 98       |
| 32) Benzoic acid              | 10.247 | 122  | 74068    | 42.84  | ng    | # 66     |
| 33) 4-Chloroaniline           | 11.111 | 127  | 13675    | 3.28   | ng    | # 94     |
| 34) Hexachlorobutadiene       | 11.281 | 225  | 96943    | 39.95  | ng    | 94       |
| 35) Caprolactam               | 11.875 | 113  | 32328m   | 37.66  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.227 | 107  | 153778   | 42.37  | ng    | # 91     |
| 37) 2-Methylnaphthalene       | 12.598 | 142  | 299423   | 40.39  | ng    | 93       |
| 38) 1-Methylnaphthalene       | 12.815 | 142  | 281039   | 40.38  | ng    | 96       |
| 40) 1,2,4,5-Tetrachloroben... | 12.962 | 216  | 167153   | 45.42  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 12.944 | 237  | 190294   | 80.44  | ng    | 92       |
| 43) 2,4,6-Trichlorophenol     | 13.197 | 196  | 120779   | 49.05  | ng    | 91       |

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|-------------------------------|--------|------|----------|-------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.285 | 196  | 130190   | 51.13 | ng    | 92       |
| 46) 1,1'-Biphenyl             | 13.596 | 154  | 374955   | 43.88 | ng    | 95       |
| 47) 2-Chloronaphthalene       | 13.643 | 162  | 298203   | 43.70 | ng    | 98       |
| 48) 2-Nitroaniline            | 13.837 | 65   | 122413   | 48.77 | ng    | 97       |
| 49) Acenaphthylene            | 14.489 | 152  | 493264   | 43.38 | ng    | 96       |
| 50) Dimethylphthalate         | 14.213 | 163  | 419039   | 46.42 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 14.331 | 165  | 86956    | 47.30 | ng    | 93       |
| 52) Acenaphthene              | 14.830 | 154  | 338420   | 46.18 | ng    | 93       |
| 53) 3-Nitroaniline            | 14.660 | 138  | 32883    | 17.67 | ng    | # 78     |
| 54) 2,4-Dinitrophenol         | 14.866 | 184  | 74662    | 87.67 | ng    | 95       |
| 55) Dibenzofuran              | 15.165 | 168  | 477408   | 41.91 | ng    | 98       |
| 56) 4-Nitrophenol             | 14.983 | 139  | 123806   | 81.59 | ng    | 87       |
| 57) 2,4-Dinitrotoluene        | 15.112 | 165  | 123163   | 54.54 | ng    | 96       |
| 58) Fluorene                  | 15.811 | 166  | 391455   | 42.02 | ng    | 96       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.388 | 232  | 116619   | 45.25 | ng    | 99       |
| 60) Diethylphthalate          | 15.576 | 149  | 420840   | 43.04 | ng    | 97       |
| 61) 4-Chlorophenyl-phenyle... | 15.800 | 204  | 217337   | 44.62 | ng    | 97       |
| 62) 4-Nitroaniline            | 15.823 | 138  | 82460    | 43.81 | ng    | # 82     |
| 63) Azobenzene                | 16.093 | 77   | 445179   | 39.79 | ng    | 88       |
| 65) 4,6-Dinitro-2-methylph... | 15.882 | 198  | 55612    | 45.27 | ng    | 95       |
| 66) n-Nitrosodiphenylamine    | 16.017 | 169  | 335833   | 41.60 | ng    | 95       |
| 67) 4-Bromophenyl-phenylether | 16.699 | 248  | 144139   | 44.56 | ng    | 96       |
| 68) Hexachlorobenzene         | 16.816 | 284  | 158014   | 45.07 | ng    | 98       |
| 69) Atrazine                  | 16.963 | 200  | 145839   | 56.28 | ng    | 97       |
| 70) Pentachlorophenol         | 17.163 | 266  | 188069   | 89.26 | ng    | 98       |
| 71) Phenanthrene              | 17.556 | 178  | 622002   | 42.67 | ng    | 99       |
| 72) Anthracene                | 17.650 | 178  | 639893   | 43.69 | ng    | 98       |
| 73) Carbazole                 | 17.915 | 167  | 577779   | 41.15 | ng    | 97       |
| 74) Di-n-butylphthalate       | 18.473 | 149  | 705293   | 44.79 | ng    | 98       |
| 75) Fluoranthene              | 19.560 | 202  | 745325   | 42.40 | ng    | 97       |
| 77) Benzidine                 | 19.736 | 184  | 277166   | 53.84 | ng    | 96       |
| 78) Pyrene                    | 19.924 | 202  | 749185   | 40.39 | ng    | 96       |
| 80) Butylbenzylphthalate      | 20.806 | 149  | 310749   | 44.40 | ng    | 96       |
| 81) Benzo(a)anthracene        | 21.787 | 228  | 755315   | 41.16 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.699 | 252  | 147576   | 25.15 | ng    | 95       |
| 83) Chrysene                  | 21.857 | 228  | 719440   | 40.89 | ng    | 94       |
| 84) Bis(2-ethylhexyl)phtha... | 21.693 | 149  | 475951   | 47.71 | ng    | 95       |
| 85) Di-n-octyl phthalate      | 22.950 | 149  | 755464   | 44.65 | ng    | # 95     |
| 87) Indeno(1,2,3-cd)pyrene    | 28.978 | 276  | 908790   | 44.52 | ng    | # 97     |
| 88) Benzo(b)fluoranthene      | 24.084 | 252  | 799377   | 41.34 | ng    | # 94     |
| 89) Benzo(k)fluoranthene      | 24.160 | 252  | 759890   | 41.42 | ng    | # 99     |
| 90) Benzo(a)pyrene            | 24.995 | 252  | 767018   | 43.46 | ng    | # 96     |
| 91) Dibenzo(a,h)anthracene    | 29.055 | 278  | 756975   | 44.37 | ng    | # 94     |
| 92) Benzo(g,h,i)perylene      | 30.177 | 276  | 768379   | 44.66 | ng    | 98       |

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

