

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG061821\  
 Data File : BG049020.D  
 Acq On : 18 Jun 2021 15:07  
 Operator : CG/JU  
 Sample : M2687-11MSD  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 17-B6(100-104)MSD

Manual Integrations  
 APPROVED

mohammad  
 6/21/2021 11:38:57 AM

Quant Time: Jun 18 15:45:05 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG061121.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 16 12:04:50 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.111  | 152  | 32486    | 20.000 | ng    | # 0.00   |
| 21) Naphthalene-d8            | 10.937 | 136  | 122566   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.756 | 164  | 85371    | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.500 | 188  | 203744   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.795 | 240  | 245229   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 25.120 | 264  | 258884   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.666  | 112  | 167307   | 80.171 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.265  | 99   | 200786   | 64.193 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.280  | 82   | 168259   | 59.195 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.242 | 330  | 120174   | 95.012 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.375 | 172  | 354274   | 58.623 | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.108 | 244  | 777072   | 58.033 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.545  | 88   | 23746    | 23.308 | ng    | # 1      |
| 3) Pyridine                   | 3.957  | 79   | 46791    | 16.930 | ng    | # 88     |
| 4) n-Nitrosodimethylamine     | 3.857  | 42   | 42075    | 31.791 | ng    | # 74     |
| 6) Aniline                    | 7.429  | 93   | 86955    | 22.075 | ng    | # 91     |
| 8) 2-Chlorophenol             | 7.676  | 128  | 65187    | 28.340 | ng    | # 88     |
| 9) Benzaldehyde               | 7.241  | 77   | 62902    | 38.864 | ng    | # 86     |
| 10) Phenol                    | 7.288  | 94   | 75208    | 23.275 | ng    | 97       |
| 11) bis(2-Chloroethyl)ether   | 7.523  | 93   | 64071    | 26.724 | ng    | 85       |
| 12) 1,3-Dichlorobenzene       | 8.005  | 146  | 68297    | 26.580 | ng    | 94       |
| 13) 1,4-Dichlorobenzene       | 8.146  | 146  | 68328    | 26.672 | ng    | 96       |
| 14) 1,2-Dichlorobenzene       | 8.469  | 146  | 68134    | 27.647 | ng    | 97       |
| 15) Benzyl Alcohol            | 8.346  | 79   | 79362    | 27.705 | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.639  | 45   | 114354   | 25.208 | ng    | 84       |
| 17) 2-Methylphenol            | 8.557  | 107  | 58561    | 27.635 | ng    | 94       |
| 18) Hexachloroethane          | 9.203  | 117  | 27434    | 26.695 | ng    | 94       |
| 19) n-Nitroso-di-n-propyla... | 8.915  | 70   | 58897    | 24.090 | ng    | 98       |
| 20) 3+4-Methylphenols         | 8.880  | 107  | 77711    | 26.822 | ng    | 97       |
| 22) Acetophenone              | 8.939  | 105  | 113679   | 30.486 | ng    | # 97     |
| 24) Nitrobenzene              | 9.321  | 77   | 91905    | 28.704 | ng    | 94       |
| 25) Isophorone                | 9.844  | 82   | 155291   | 25.077 | ng    | 98       |
| 26) 2-Nitrophenol             | 10.038 | 139  | 36459    | 33.569 | ng    | 94       |
| 27) 2,4-Dimethylphenol        | 10.091 | 122  | 62882    | 31.933 | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 10.326 | 93   | 86326    | 30.106 | ng    | 95       |
| 29) 2,4-Dichlorophenol        | 10.578 | 162  | 66025    | 29.887 | ng    | 93       |
| 30) 1,2,4-Trichlorobenzene    | 10.790 | 180  | 74579    | 29.445 | ng    | 92       |
| 31) Naphthalene               | 10.984 | 128  | 208369   | 28.536 | ng    | 98       |
| 32) Benzoic acid              | 10.208 | 122  | 39166    | 30.451 | ng    | # 73     |
| 33) 4-Chloroaniline           | 11.089 | 127  | 35474    | 11.442 | ng    | 98       |
| 34) Hexachlorobutadiene       | 11.272 | 225  | 52899    | 29.303 | ng    | 97       |
| 35) Caprolactam               | 11.847 | 113  | 17409m   | 27.261 | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.206 | 107  | 78637    | 29.122 | ng    | 94       |
| 37) 2-Methylnaphthalene       | 12.588 | 142  | 152855   | 27.715 | ng    | 96       |
| 38) 1-Methylnaphthalene       | 12.805 | 142  | 141887   | 27.402 | ng    | 89       |
| 40) 1,2,4,5-Tetrachloroben... | 12.952 | 216  | 85324    | 31.475 | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 12.934 | 237  | 126635   | 72.667 | ng    | 96       |
| 43) 2,4,6-Trichlorophenol     | 13.187 | 196  | 62117    | 34.247 | ng    | 88       |

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| 44) 2,4,5-Trichlorophenol     | 13.263 | 196  | 66550    | 35.483 | ng    | 93       |
| 46) 1,1'-Biphenyl             | 13.586 | 154  | 189044   | 30.036 | ng    | 94       |
| 47) 2-Chloronaphthalene       | 13.634 | 162  | 152810   | 30.403 | ng    | 98       |
| 48) 2-Nitroaniline            | 13.827 | 65   | 63208    | 36.572 | ng    | 93       |
| 49) Acenaphthylene            | 14.474 | 152  | 250805   | 29.945 | ng    | 96       |
| 50) Dimethylphthalate         | 14.203 | 163  | 208950   | 31.421 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.321 | 165  | 45270    | 33.428 | ng    | 96       |
| 52) Acenaphthene              | 14.820 | 154  | 152563   | 28.261 | ng    | 92       |
| 53) 3-Nitroaniline            | 14.650 | 138  | 35342    | 25.776 | ng    | 89       |
| 54) 2,4-Dinitrophenol         | 14.856 | 184  | 53296    | 84.960 | ng    | 92       |
| 55) Dibenzofuran              | 15.149 | 168  | 243572   | 29.026 | ng    | 97       |
| 56) 4-Nitrophenol             | 14.961 | 139  | 73821    | 66.041 | ng    | 92       |
| 57) 2,4-Dinitrotoluene        | 15.102 | 165  | 66300    | 39.857 | ng    | # 98     |
| 58) Fluorene                  | 15.802 | 166  | 201353   | 29.344 | ng    | 95       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.373 | 232  | 63335    | 33.361 | ng    | 97       |
| 60) Diethylphthalate          | 15.567 | 149  | 226755   | 31.484 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 15.790 | 204  | 109408   | 30.493 | ng    | 98       |
| 62) 4-Nitroaniline            | 15.813 | 138  | 50378    | 36.332 | ng    | # 80     |
| 63) Azobenzene                | 16.084 | 77   | 225765   | 27.396 | ng    | 87       |
| 65) 4,6-Dinitro-2-methylph... | 15.866 | 198  | 35950    | 37.209 | ng    | 87       |
| 66) n-Nitrosodiphenylamine    | 16.001 | 169  | 179319   | 28.242 | ng    | 97       |
| 67) 4-Bromophenyl-phenylether | 16.689 | 248  | 73604    | 28.932 | ng    | 89       |
| 68) Hexachlorobenzene         | 16.806 | 284  | 83999    | 30.464 | ng    | 98       |
| 69) Atrazine                  | 16.947 | 200  | 81372    | 39.926 | ng    | 100      |
| 70) Pentachlorophenol         | 17.147 | 266  | 114190   | 68.910 | ng    | 97       |
| 71) Phenanthrene              | 17.547 | 178  | 342490   | 29.875 | ng    | 97       |
| 72) Anthracene                | 17.635 | 178  | 349560   | 30.344 | ng    | 97       |
| 73) Carbazole                 | 17.905 | 167  | 341484   | 30.925 | ng    | 98       |
| 74) Di-n-butylphthalate       | 18.463 | 149  | 421133   | 34.003 | ng    | 97       |
| 75) Fluoranthene              | 19.550 | 202  | 471972   | 34.140 | ng    | 98       |
| 77) Benzidine                 | 19.732 | 184  | 108692   | 22.002 | ng    | 99       |
| 78) Pyrene                    | 19.914 | 202  | 483447   | 27.161 | ng    | 96       |
| 80) Butylbenzylphthalate      | 20.796 | 149  | 210956   | 31.413 | ng    | 98       |
| 81) Benzo(a)anthracene        | 21.771 | 228  | 522652   | 29.684 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 21.683 | 252  | 166035   | 29.488 | ng    | 99       |
| 83) Chrysene                  | 21.842 | 228  | 505254   | 29.928 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 21.677 | 149  | 302991   | 31.652 | ng    | 96       |
| 85) Di-n-octyl phthalate      | 22.929 | 149  | 519184   | 31.979 | ng    | 96       |
| 87) Indeno(1,2,3-cd)pyrene    | 28.927 | 276  | 631569   | 32.416 | ng    | # 57     |
| 88) Benzo(b)fluoranthene      | 24.062 | 252  | 548900   | 29.743 | ng    | # 96     |
| 89) Benzo(k)fluoranthene      | 24.133 | 252  | 549008m  | 31.354 | ng    |          |
| 90) Benzo(a)pyrene            | 24.961 | 252  | 534457   | 31.726 | ng    | # 97     |
| 91) Dibenzo(a,h)anthracene    | 29.004 | 278  | 529717   | 32.532 | ng    | # 93     |
| 92) Benzo(g,h,i)perylene      | 30.132 | 276  | 521920   | 31.787 | ng    | 95       |

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

