

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF082021\  
 Data File : BF125142.D  
 Acq On : 20 Aug 2021 19:10  
 Operator : JU/CG  
 Sample : M3476-01MS 2X  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OR-03-081821MS

Manual Integrations  
 APPROVED

mohammad  
 8/23/2021 12:26:16 PM

Quant Time: Aug 21 02:01:21 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF081821.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 18 17:03:50 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.922  | 152  | 187607   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.204  | 136  | 707580   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.963  | 164  | 343428   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.451 | 188  | 534202   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.092 | 240  | 369743   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.598 | 264  | 257075   | 20.000 | ng    | 0.02     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.534  | 112  | 474704   | 38.299 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.534  | 99   | 592505   | 36.961 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.481  | 82   | 378800   | 26.951 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.745 | 330  | 132360   | 38.610 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.281  | 172  | 693562   | 28.147 | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.033 | 244  | 599792   | 25.843 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.734  | 88   | 92014    | 15.044 | ng    | # 100    |
| 3) Pyridine                   | 3.499  | 79   | 202953   | 12.570 | ng    | 90       |
| 4) n-Nitrosodimethylamine     | 3.440  | 42   | 134257   | 16.617 | ng    | # 48     |
| 6) Aniline                    | 6.581  | 93   | 265561   | 14.103 | ng    | # 95     |
| 8) 2-Chlorophenol             | 6.704  | 128  | 232733   | 18.406 | ng    | 85       |
| 9) Benzaldehyde               | 6.469  | 77   | 170253   | 15.134 | ng    | 92       |
| 10) Phenol                    | 6.551  | 94   | 295124   | 17.580 | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 6.651  | 93   | 245774   | 18.589 | ng    | 86       |
| 12) 1,3-Dichlorobenzene       | 6.863  | 146  | 261002   | 17.813 | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.940  | 146  | 262483   | 17.979 | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 7.092  | 146  | 251660   | 18.322 | ng    | 98       |
| 15) Benzyl Alcohol            | 7.057  | 79   | 216019   | 17.502 | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.192  | 45   | 491451   | 18.535 | ng    | 99       |
| 17) 2-Methylphenol            | 7.163  | 107  | 192756   | 18.147 | ng    | 96       |
| 18) Hexachloroethane          | 7.434  | 117  | 86975    | 17.012 | ng    | 91       |
| 19) n-Nitroso-di-n-propyla... | 7.328  | 70   | 180251   | 18.694 | ng    | # 81     |
| 20) 3+4-Methylphenols         | 7.316  | 107  | 248564   | 18.643 | ng    | 93       |
| 22) Acetophenone              | 7.328  | 105  | 340560   | 18.701 | ng    | 96       |
| 24) Nitrobenzene              | 7.498  | 77   | 266940   | 17.430 | ng    | # 86     |
| 25) Isophorone                | 7.739  | 82   | 478210   | 17.637 | ng    | # 89     |
| 26) 2-Nitrophenol             | 7.816  | 139  | 115979   | 18.966 | ng    | # 79     |
| 27) 2,4-Dimethylphenol        | 7.845  | 122  | 208934   | 19.516 | ng    | 87       |
| 28) bis(2-Chloroethoxy)met... | 7.945  | 93   | 301127   | 20.058 | ng    | # 96     |
| 29) 2,4-Dichlorophenol        | 8.057  | 162  | 193519   | 17.725 | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 8.145  | 180  | 213784   | 17.956 | ng    | 95       |
| 31) Naphthalene               | 8.228  | 128  | 659194   | 18.191 | ng    | 99       |
| 32) Benzoic acid              | 7.934  | 122  | 120861   | 16.633 | ng    | # 82     |
| 33) 4-Chloroaniline           | 8.269  | 127  | 159731   | 11.181 | ng    | # 91     |
| 34) Hexachlorobutadiene       | 8.345  | 225  | 138360   | 18.226 | ng    | 99       |
| 35) Caprolactam               | 8.622  | 113  | 60647    | 21.446 | ng    | # 45     |
| 36) 4-Chloro-3-methylphenol   | 8.745  | 107  | 204920   | 18.385 | ng    | 93       |
| 37) 2-Methylnaphthalene       | 8.916  | 142  | 460140   | 19.216 | ng    | 98       |
| 38) 1-Methylnaphthalene       | 9.016  | 142  | 424184   | 18.969 | ng    | 97       |
| 40) 1,2,4,5-Tetrachloroben... | 9.081  | 216  | 209659   | 18.686 | ng    | 97       |
| 41) Hexachlorocyclopentadiene | 9.069  | 237  | 28885    | 4.900  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.192  | 196  | 141681   | 17.933 | ng    | 95       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.228  | 196  | 140481   | 16.901 | ng    | # 90     |
| 46) 1,1'-Biphenyl             | 9.381  | 154  | 505673   | 18.264 | ng    | 97       |
| 47) 2-Chloronaphthalene       | 9.404  | 162  | 399602   | 17.760 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.498  | 65   | 136887   | 19.627 | ng    | 87       |
| 49) Acenaphthylene            | 9.822  | 152  | 663204   | 20.228 | ng    | 99       |
| 50) Dimethylphthalate         | 9.675  | 163  | 480710   | 20.199 | ng    | 98       |
| 51) 2,6-Dinitrotoluene        | 9.739  | 165  | 96786    | 18.755 | ng    | 88       |
| 52) Acenaphthene              | 9.992  | 154  | 377060   | 18.551 | ng    | 97       |
| 53) 3-Nitroaniline            | 9.904  | 138  | 87275    | 15.682 | ng    | # 76     |
| 54) 2,4-Dinitrophenol         | 10.010 | 184  | 11022    | 5.407  | ng    | 96       |
| 55) Dibenzofuran              | 10.163 | 168  | 537741   | 18.384 | ng    | 98       |
| 56) 4-Nitrophenol             | 10.057 | 139  | 144559   | 32.802 | ng    | # 80     |
| 57) 2,4-Dinitrotoluene        | 10.139 | 165  | 116527   | 18.657 | ng    | # 97     |
| 58) Fluorene                  | 10.510 | 166  | 439884   | 20.341 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.280 | 232  | 103123   | 16.718 | ng    | # 89     |
| 60) Diethylphthalate          | 10.375 | 149  | 470898   | 20.296 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.498 | 204  | 203069   | 18.572 | ng    | 90       |
| 62) 4-Nitroaniline            | 10.516 | 138  | 84363    | 16.858 | ng    | # 83     |
| 63) Azobenzene                | 10.657 | 77   | 437889   | 16.826 | ng    | 92       |
| 65) 4,6-Dinitro-2-methylph... | 10.545 | 198  | 10550    | 3.731  | ng    | 89       |
| 66) n-Nitrosodiphenylamine    | 10.616 | 169  | 373736   | 19.539 | ng    | 96       |
| 67) 4-Bromophenyl-phenylether | 10.992 | 248  | 125531   | 19.569 | ng    | 91       |
| 68) Hexachlorobenzene         | 11.057 | 284  | 120925   | 18.324 | ng    | # 85     |
| 69) Atrazine                  | 11.139 | 200  | 119799   | 21.826 | ng    | 92       |
| 70) Pentachlorophenol         | 11.251 | 266  | 123488   | 32.048 | ng    | 92       |
| 71) Phenanthrene              | 11.475 | 178  | 905224   | 30.754 | ng    | 97       |
| 72) Anthracene                | 11.527 | 178  | 657183   | 22.652 | ng    | 99       |
| 73) Carbazole                 | 11.675 | 167  | 477687   | 18.017 | ng    | 99       |
| 74) Di-n-butylphthalate       | 12.004 | 149  | 662375   | 21.053 | ng    | 99       |
| 75) Fluoranthene              | 12.669 | 202  | 1193750  | 40.873 | ng    | 96       |
| 77) Benzidine                 | 12.780 | 184  | 149530   | 11.580 | ng    | 96       |
| 78) Pyrene                    | 12.898 | 202  | 1210002  | 38.150 | ng    | 96       |
| 80) Butylbenzylphthalate      | 13.510 | 149  | 238642   | 19.149 | ng    | 95       |
| 81) Benzo(a)anthracene        | 14.086 | 228  | 819656   | 30.767 | ng    | 96       |
| 82) 3,3'-Dichlorobenzidine    | 14.045 | 252  | 145677   | 17.641 | ng    | # 97     |
| 83) Chrysene                  | 14.121 | 228  | 819425   | 31.103 | ng    | 97       |
| 84) Bis(2-ethylhexyl)phtha... | 14.068 | 149  | 350515   | 20.464 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.686 | 149  | 584162   | 20.505 | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.115 | 276  | 397145m  | 21.444 | ng    |          |
| 88) Benzo(b)fluoranthene      | 15.151 | 252  | 701775   | 37.365 | ng    | # 95     |
| 89) Benzo(k)fluoranthene      | 15.180 | 252  | 470449   | 26.843 | ng    | 96       |
| 90) Benzo(a)pyrene            | 15.533 | 252  | 543344m  | 32.751 | ng    |          |
| 91) Dibenzo(a,h)anthracene    | 17.133 | 278  | 254051   | 15.869 | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 17.574 | 276  | 341518   | 22.125 | ng    | # 88     |

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

