

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF080321\  
 Data File : BF124919.D  
 Acq On : 3 Aug 2021 17:12  
 Operator : JU/CG  
 Sample : PB138162BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB138162BS

Manual Integrations  
 APPROVED

mohammad  
 8/4/2021 3:45:16 PM

Quant Time: Aug 04 05:05:47 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF072221.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 02 11:15:51 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.845  | 152  | 6054     | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.128  | 136  | 23026    | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.886  | 164  | 12631    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.369 | 188  | 21307    | 20.000  | ng    | #-0.01   |
| 76) Chrysene-d12              | 14.010 | 240  | 13259    | 20.000  | ng    | #-0.01   |
| 86) Perylene-d12              | 15.474 | 264  | 11306    | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.469  | 112  | 49012    | 137.075 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.481  | 99   | 57946    | 129.271 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.416  | 82   | 37674    | 97.380  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.680 | 330  | 14978    | 138.110 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.204  | 172  | 76696    | 89.183  | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.957 | 244  | 79669    | 102.998 | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.646  | 88   | 4980     | 39.845  | ng    | # 100    |
| 3) Pyridine                   | 3.399  | 79   | 10948    | 37.003  | ng    | 92       |
| 4) n-Nitrosodimethylamine     | 3.357  | 42   | 10463    | 44.717  | ng    | # 99     |
| 6) Aniline                    | 6.510  | 93   | 20396    | 44.274  | ng    | 97       |
| 8) 2-Chlorophenol             | 6.634  | 128  | 17509    | 43.416  | ng    | 92       |
| 9) Benzaldehyde               | 6.398  | 77   | 10131    | 41.979  | ng    | 91       |
| 10) Phenol                    | 6.492  | 94   | 21561    | 50.229  | ng    | 95       |
| 11) bis(2-Chloroethyl)ether   | 6.587  | 93   | 16707    | 49.087  | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 6.787  | 146  | 19849    | 45.285  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.863  | 146  | 19304    | 44.023  | ng    | 94       |
| 14) 1,2-Dichlorobenzene       | 7.016  | 146  | 19208    | 45.336  | ng    | 97       |
| 15) Benzyl Alcohol            | 6.992  | 79   | 14117    | 47.892  | ng    | 94       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.122  | 45   | 27399    | 47.830  | ng    | 93       |
| 17) 2-Methylphenol            | 7.098  | 107  | 14005    | 47.669  | ng    | 90       |
| 18) Hexachloroethane          | 7.357  | 117  | 8639     | 51.978  | ng    | 94       |
| 19) n-Nitroso-di-n-propyla... | 7.263  | 70   | 12524    | 52.323  | ng    | 91       |
| 20) 3+4-Methylphenols         | 7.251  | 107  | 17786    | 45.820  | ng    | # 85     |
| 22) Acetophenone              | 7.257  | 105  | 26363    | 49.406  | ng    | # 89     |
| 24) Nitrobenzene              | 7.434  | 77   | 18663    | 49.204  | ng    | 97       |
| 25) Isophorone                | 7.669  | 82   | 31892    | 46.620  | ng    | # 93     |
| 26) 2-Nitrophenol             | 7.745  | 139  | 9470     | 45.078  | ng    | # 84     |
| 27) 2,4-Dimethylphenol        | 7.781  | 122  | 15477    | 47.878  | ng    | # 82     |
| 28) bis(2-Chloroethoxy)met... | 7.881  | 93   | 20475    | 51.505  | ng    | 95       |
| 29) 2,4-Dichlorophenol        | 7.986  | 162  | 14615    | 42.690  | ng    | 91       |
| 30) 1,2,4-Trichlorobenzene    | 8.069  | 180  | 17068    | 45.488  | ng    | 96       |
| 31) Naphthalene               | 8.151  | 128  | 52210    | 43.449  | ng    | 99       |
| 32) Benzoic acid              | 7.910  | 122  | 8166     | 32.637  | ng    | 94       |
| 33) 4-Chloroaniline           | 8.198  | 127  | 10985    | 24.311  | ng    | 97       |
| 34) Hexachlorobutadiene       | 8.269  | 225  | 10520    | 46.903  | ng    | 98       |
| 35) Caprolactam               | 8.569  | 113  | 3978m    | 44.706  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.681  | 107  | 16424    | 50.296  | ng    | 88       |
| 37) 2-Methylnaphthalene       | 8.845  | 142  | 35356    | 44.035  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.945  | 142  | 32282    | 42.441  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.010  | 216  | 16551    | 46.963  | ng    | 97       |
| 41) Hexachlorocyclopentadiene | 8.998  | 237  | 19574    | 93.877  | ng    | 94       |
| 43) 2,4,6-Trichlorophenol     | 9.122  | 196  | 10576    | 42.273  | ng    | 97       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.163  | 196  | 11401    | 44.382 | ng    | 93       |
| 46) 1,1'-Biphenyl             | 9.310  | 154  | 40972    | 43.456 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.333  | 162  | 33127    | 44.384 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.428  | 65   | 10070    | 51.526 | ng    | 91       |
| 49) Acenaphthylene            | 9.751  | 152  | 51465    | 44.712 | ng    | 100      |
| 50) Dimethylphthalate         | 9.610  | 163  | 39816    | 45.780 | ng    | 98       |
| 51) 2,6-Dinitrotoluene        | 9.669  | 165  | 8815     | 45.877 | ng    | 87       |
| 52) Acenaphthene              | 9.922  | 154  | 31049    | 40.692 | ng    | 100      |
| 53) 3-Nitroaniline            | 9.839  | 138  | 5116     | 25.309 | ng #  | 80       |
| 54) 2,4-Dinitrophenol         | 9.951  | 184  | 7833     | 70.500 | ng    | 97       |
| 55) Dibenzofuran              | 10.092 | 168  | 46668    | 42.802 | ng    | 98       |
| 56) 4-Nitrophenol             | 10.004 | 139  | 12286    | 76.965 | ng #  | 81       |
| 57) 2,4-Dinitrotoluene        | 10.075 | 165  | 11741    | 45.029 | ng #  | 95       |
| 58) Fluorene                  | 10.433 | 166  | 37009    | 44.247 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.210 | 232  | 8655     | 42.662 | ng #  | 93       |
| 60) Diethylphthalate          | 10.310 | 149  | 41110    | 45.455 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 10.427 | 204  | 18591    | 45.978 | ng    | 91       |
| 62) 4-Nitroaniline            | 10.457 | 138  | 8151     | 40.751 | ng    | 89       |
| 63) Azobenzene                | 10.586 | 77   | 37500    | 46.868 | ng    | 93       |
| 65) 4,6-Dinitro-2-methylph... | 10.486 | 198  | 5420     | 39.279 | ng    | 82       |
| 66) n-Nitrosodiphenylamine    | 10.545 | 169  | 31956    | 46.281 | ng    | 96       |
| 67) 4-Bromophenyl-phenylether | 10.916 | 248  | 10930    | 48.369 | ng    | 90       |
| 68) Hexachlorobenzene         | 10.980 | 284  | 12026    | 51.243 | ng    | 94       |
| 69) Atrazine                  | 11.074 | 200  | 9879     | 47.059 | ng    | 91       |
| 70) Pentachlorophenol         | 11.180 | 266  | 11508    | 78.857 | ng #  | 88       |
| 71) Phenanthrene              | 11.398 | 178  | 52768    | 46.046 | ng    | 99       |
| 72) Anthracene                | 11.451 | 178  | 53861    | 47.013 | ng    | 99       |
| 73) Carbazole                 | 11.604 | 167  | 44738    | 41.659 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.927 | 149  | 63961    | 44.716 | ng    | 99       |
| 75) Fluoranthene              | 12.586 | 202  | 51416    | 43.966 | ng    | 97       |
| 77) Benzidine                 | 12.704 | 184  | 25218    | 67.447 | ng    | 99       |
| 78) Pyrene                    | 12.816 | 202  | 51792    | 49.341 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.427 | 149  | 23028    | 45.804 | ng    | 97       |
| 81) Benzo(a)anthracene        | 13.998 | 228  | 38865    | 44.843 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.963 | 252  | 9988     | 41.525 | ng    | 98       |
| 83) Chrysene                  | 14.039 | 228  | 39144    | 46.880 | ng    | 97       |
| 84) Bis(2-ethylhexyl)phtha... | 13.986 | 149  | 33659    | 45.452 | ng #  | 96       |
| 85) Di-n-octyl phthalate      | 14.592 | 149  | 50017    | 41.622 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.945 | 276  | 39180    | 60.025 | ng    | 94       |
| 88) Benzo(b)fluoranthene      | 15.045 | 252  | 36767    | 46.188 | ng    | 94       |
| 89) Benzo(k)fluoranthene      | 15.074 | 252  | 31675m   | 43.549 | ng    |          |
| 90) Benzo(a)pyrene            | 15.415 | 252  | 32732    | 49.224 | ng    | 97       |
| 91) Dibenzo(a,h)anthracene    | 16.962 | 278  | 32911    | 57.596 | ng #  | 93       |
| 92) Benzo(g,h,i)perylene      | 17.392 | 276  | 33761    | 62.306 | ng #  | 91       |

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

