

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF092421\  
 Data File : BF125632.D  
 Acq On : 24 Sep 2021 21:20  
 Operator : JU/CG  
 Sample : M3911-07MSD  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SW-CB-04-(0.5)MSD

Manual Integrations  
 APPROVED

mohammad  
 9/27/2021 2:58:58 PM

Quant Time: Sep 25 03:01:32 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF092421.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 24 15:38:32 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.886  | 152  | 217285   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.169  | 136  | 897657   | 20.00  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.927  | 164  | 466269   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.410 | 188  | 745364   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.045 | 240  | 373919   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12              | 15.515 | 264  | 442802   | 20.00  | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.504  | 112  | 828137   | 62.79  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.504  | 99   | 648499   | 36.58  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.451  | 82   | 1249482  | 97.09  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.716 | 330  | 585591   | 134.70 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.245  | 172  | 2406905  | 94.20  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.992 | 244  | 1943802  | 90.02  | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.722  | 88   | 87830    | 15.65  | ng    | # 100    |
| 4) n-Nitrosodimethylamine     | 3.410  | 42   | 93571    | 16.99  | ng    | # 6      |
| 6) Aniline                    | 6.545  | 93   | 246380   | 12.03  | ng    | 94       |
| 8) 2-Chlorophenol             | 6.669  | 128  | 577680   | 38.62  | ng    | 99       |
| 9) Benzaldehyde               | 6.439  | 77   | 440756   | 58.62  | ng    | 92       |
| 10) Phenol                    | 6.516  | 94   | 254647   | 14.21  | ng    | 89       |
| 11) bis(2-Chloroethyl)ether   | 6.616  | 93   | 614839   | 44.14  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.828  | 146  | 627370   | 37.98  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 6.904  | 146  | 646287   | 38.46  | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 7.057  | 146  | 627826   | 39.59  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.022  | 79   | 313724   | 25.51  | ng    | 94       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.163  | 45   | 776789   | 43.81  | ng    | 88       |
| 17) 2-Methylphenol            | 7.133  | 107  | 383382   | 31.25  | ng    | 97       |
| 18) Hexachloroethane          | 7.404  | 117  | 214078   | 39.24  | ng    | 90       |
| 19) n-Nitroso-di-n-propyla... | 7.298  | 70   | 426780   | 42.28  | ng    | # 70     |
| 20) 3+4-Methylphenols         | 7.286  | 107  | 415145   | 26.92  | ng    | # 83     |
| 22) Acetophenone              | 7.292  | 105  | 890474   | 43.72  | ng    | # 90     |
| 24) Nitrobenzene              | 7.469  | 77   | 644796   | 49.25  | ng    | 98       |
| 25) Isophorone                | 7.710  | 82   | 1190947  | 41.32  | ng    | 95       |
| 26) 2-Nitrophenol             | 7.780  | 139  | 352854   | 50.97  | ng    | 89       |
| 27) 2,4-Dimethylphenol        | 7.816  | 122  | 572065   | 44.63  | ng    | 94       |
| 28) bis(2-Chloroethoxy)met... | 7.916  | 93   | 779814   | 47.97  | ng    | 97       |
| 29) 2,4-Dichlorophenol        | 8.022  | 162  | 549217   | 43.13  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.110  | 180  | 556979   | 40.18  | ng    | 97       |
| 31) Naphthalene               | 8.192  | 128  | 1845612  | 40.04  | ng    | 99       |
| 32) Benzoic acid              | 7.880  | 122  | 99289m   | 17.30  | ng    |          |
| 33) 4-Chloroaniline           | 8.233  | 127  | 293599   | 15.19  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.310  | 225  | 286157   | 37.44  | ng    | 99       |
| 35) Caprolactam               | 8.604  | 113  | 23345m   | 5.62   | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.704  | 107  | 513082   | 38.45  | ng    | 97       |
| 37) 2-Methylnaphthalene       | 8.880  | 142  | 1297392  | 41.50  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.980  | 142  | 1207205  | 40.86  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.051  | 216  | 521657   | 43.02  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.039  | 237  | 583863   | 113.80 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.157  | 196  | 417507   | 49.10  | ng    | 96       |
| 44) 2,4,5-Trichlorophenol     | 9.192  | 196  | 434359   | 47.31  | ng    | # 91     |

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| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 46) 1,1'-Biphenyl             | 9.345  | 154  | 1499040  | 43.60 | ng    | 96       |
| 47) 2-Chloronaphthalene       | 9.374  | 162  | 1247544  | 43.83 | ng    | 96       |
| 48) 2-Nitroaniline            | 9.463  | 65   | 327296   | 48.68 | ng    | 91       |
| 49) Acenaphthylene            | 9.786  | 152  | 1893445  | 44.19 | ng    | 98       |
| 50) Dimethylphthalate         | 9.651  | 163  | 1424288  | 45.34 | ng    | # 99     |
| 51) 2,6-Dinitrotoluene        | 9.704  | 165  | 315485   | 49.19 | ng    | 95       |
| 52) Acenaphthene              | 9.963  | 154  | 1232127  | 45.86 | ng    | 98       |
| 53) 3-Nitroaniline            | 9.869  | 138  | 193442   | 27.90 | ng    | 89       |
| 54) 2,4-Dinitrophenol         | 9.974  | 184  | 231442   | 78.28 | ng    | # 83     |
| 55) Dibenzofuran              | 10.133 | 168  | 1700643  | 42.19 | ng    | 96       |
| 56) 4-Nitrophenol             | 10.016 | 139  | 176598   | 30.52 | ng    | 85       |
| 57) 2,4-Dinitrotoluene        | 10.110 | 165  | 409098   | 50.93 | ng    | # 75     |
| 58) Fluorene                  | 10.474 | 166  | 1278498  | 40.75 | ng    | 97       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.245 | 232  | 324843   | 45.97 | ng    | # 91     |
| 60) Diethylphthalate          | 10.345 | 149  | 1375729  | 45.43 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.463 | 204  | 582939   | 41.80 | ng    | 92       |
| 62) 4-Nitroaniline            | 10.486 | 138  | 259130   | 36.67 | ng    | # 75     |
| 63) Azobenzene                | 10.627 | 77   | 1250694  | 42.77 | ng    | 85       |
| 65) 4,6-Dinitro-2-methylph... | 10.516 | 198  | 165015   | 45.96 | ng    | # 69     |
| 66) n-Nitrosodiphenylamine    | 10.586 | 169  | 1184998  | 46.31 | ng    | 96       |
| 67) 4-Bromophenyl-phenylether | 10.957 | 248  | 374915   | 47.93 | ng    | 95       |
| 68) Hexachlorobenzene         | 11.021 | 284  | 429869   | 46.82 | ng    | # 89     |
| 69) Atrazine                  | 11.110 | 200  | 335901   | 49.51 | ng    | 94       |
| 70) Pentachlorophenol         | 11.210 | 266  | 431971   | 89.03 | ng    | 95       |
| 71) Phenanthrene              | 11.433 | 178  | 1844109  | 44.12 | ng    | 96       |
| 72) Anthracene                | 11.486 | 178  | 1887848  | 45.71 | ng    | 98       |
| 73) Carbazole                 | 11.639 | 167  | 1600321  | 39.37 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.968 | 149  | 1938239  | 47.30 | ng    | 99       |
| 75) Fluoranthene              | 12.621 | 202  | 1649420  | 36.92 | ng    | 98       |
| 78) Pyrene                    | 12.851 | 202  | 1614560  | 47.78 | ng    | 96       |
| 80) Butylbenzylphthalate      | 13.468 | 149  | 587103   | 52.47 | ng    | 93       |
| 81) Benzo(a)anthracene        | 14.033 | 228  | 1116078  | 43.94 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.992 | 252  | 260974   | 35.61 | ng    | 99       |
| 83) Chrysene                  | 14.068 | 228  | 1141877  | 44.80 | ng    | 97       |
| 84) Bis(2-ethylhexyl)phtha... | 14.027 | 149  | 683644   | 53.37 | ng    | # 99     |
| 85) Di-n-octyl phthalate      | 14.639 | 149  | 1228604  | 65.39 | ng    | # 89     |
| 87) Indeno(1,2,3-cd)pyrene    | 17.003 | 276  | 1503970  | 50.04 | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 15.086 | 252  | 1262474  | 40.69 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.115 | 252  | 1266142m | 42.60 | ng    |          |
| 90) Benzo(a)pyrene            | 15.456 | 252  | 1279798  | 46.34 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 17.027 | 278  | 1247494  | 49.66 | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 17.456 | 276  | 1239621  | 48.31 | ng    | 92       |

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

