

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091421\  
 Data File : BF125487.D  
 Acq On : 14 Sep 2021 22:17  
 Operator : JU/CG  
 Sample : M3684-02MSD  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 A018145MSD

Manual Integrations  
 APPROVED

mohammad  
 9/15/2021 4:27:12 PM

Quant Time: Sep 15 01:07:25 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF081821.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 14 17:17:24 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.875  | 152  | 155633   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.163  | 136  | 604279   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.922  | 164  | 333476   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.404 | 188  | 591722   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.051 | 240  | 271287   | 20.000 | ng    | #-0.01   |
| 86) Perylene-d12              | 15.539 | 264  | 307672   | 20.000 | ng    | -0.01    |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.510  | 112  | 756065   | 73.531 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.516  | 99   | 942862   | 70.901 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.439  | 82   | 626722   | 52.214 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.710 | 330  | 185540   | 55.737 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.233  | 172  | 1144389  | 47.829 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.992 | 244  | 1147744  | 67.399 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.734  | 88   | 175680   | 34.625 | ng    | # 100    |
| 3) Pyridine                   | 3.487  | 79   | 405684   | 30.288 | ng    | # 89     |
| 4) n-Nitrosodimethylamine     | 3.451  | 42   | 242498   | 36.181 | ng    | # 36     |
| 6) Aniline                    | 6.540  | 93   | 414219   | 26.517 | ng    | # 88     |
| 8) 2-Chlorophenol             | 6.663  | 128  | 406999   | 38.801 | ng    | # 80     |
| 9) Benzaldehyde               | 6.428  | 77   | 270625   | 28.998 | ng    | 93       |
| 10) Phenol                    | 6.528  | 94   | 524128   | 37.636 | ng    | 86       |
| 11) bis(2-Chloroethyl)ether   | 6.610  | 93   | 419049   | 38.207 | ng    | 86       |
| 12) 1,3-Dichlorobenzene       | 6.816  | 146  | 447942   | 36.852 | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.892  | 146  | 456491   | 37.691 | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 7.045  | 146  | 436887   | 38.342 | ng    | 99       |
| 15) Benzyl Alcohol            | 7.022  | 79   | 369245   | 36.063 | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.151  | 45   | 750687   | 34.129 | ng    | 92       |
| 17) 2-Methylphenol            | 7.134  | 107  | 344979   | 39.151 | ng    | # 91     |
| 18) Hexachloroethane          | 7.386  | 117  | 166269   | 39.204 | ng    | # 84     |
| 19) n-Nitroso-di-n-propyla... | 7.292  | 70   | 294050   | 36.762 | ng    | # 76     |
| 20) 3+4-Methylphenols         | 7.287  | 107  | 401258   | 36.278 | ng    | # 59     |
| 22) Acetophenone              | 7.287  | 105  | 560869   | 36.064 | ng    | # 88     |
| 24) Nitrobenzene              | 7.463  | 77   | 468609   | 35.829 | ng    | 91       |
| 25) Isophorone                | 7.698  | 82   | 831125   | 35.894 | ng    | # 89     |
| 26) 2-Nitrophenol             | 7.775  | 139  | 207849   | 39.799 | ng    | # 79     |
| 27) 2,4-Dimethylphenol        | 7.816  | 122  | 365307   | 39.956 | ng    | 91       |
| 28) bis(2-Chloroethoxy)met... | 7.904  | 93   | 520650   | 40.610 | ng    | # 96     |
| 29) 2,4-Dichlorophenol        | 8.022  | 162  | 343882   | 36.881 | ng    | 96       |
| 30) 1,2,4-Trichlorobenzene    | 8.098  | 180  | 380834   | 37.455 | ng    | 95       |
| 31) Naphthalene               | 8.181  | 128  | 1093682  | 35.340 | ng    | 99       |
| 33) 4-Chloroaniline           | 8.234  | 127  | 204763   | 16.784 | ng    | # 94     |
| 34) Hexachlorobutadiene       | 8.292  | 225  | 245093   | 37.804 | ng    | 99       |
| 35) Caprolactam               | 8.598  | 113  | 80123    | 33.176 | ng    | # 51     |
| 36) 4-Chloro-3-methylphenol   | 8.722  | 107  | 360999   | 37.925 | ng    | 91       |
| 37) 2-Methylnaphthalene       | 8.875  | 142  | 770704   | 37.687 | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.975  | 142  | 710342   | 37.197 | ng    | 96       |
| 40) 1,2,4,5-Tetrachloroben... | 9.039  | 216  | 397255   | 36.461 | ng    | 97       |
| 41) Hexachlorocyclopentadiene | 9.028  | 237  | 352979   | 61.664 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.157  | 196  | 211729   | 27.599 | ng    | 98       |
| 44) 2,4,5-Trichlorophenol     | 9.204  | 196  | 212992   | 26.390 | ng    | # 90     |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 46) 1,1'-Biphenyl             | 9.339  | 154  | 909998   | 33.848 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.363  | 162  | 755049   | 34.559 | ng    | 97       |
| 48) 2-Nitroaniline            | 9.469  | 65   | 280766   | 41.457 | ng    | 91       |
| 49) Acenaphthylene            | 9.780  | 152  | 1140591  | 35.827 | ng    | 98       |
| 50) Dimethylphthalate         | 9.639  | 163  | 903878   | 39.113 | ng    | # 96     |
| 51) 2,6-Dinitrotoluene        | 9.710  | 165  | 201285   | 40.169 | ng    | 99       |
| 52) Acenaphthene              | 9.957  | 154  | 669324   | 33.913 | ng    | 98       |
| 53) 3-Nitroaniline            | 9.875  | 138  | 149225   | 27.614 | ng    | # 73     |
| 55) Dibenzofuran              | 10.128 | 168  | 972907   | 34.253 | ng    | 97       |
| 56) 4-Nitrophenol             | 10.045 | 139  | 111335   | 26.017 | ng    | # 79     |
| 57) 2,4-Dinitrotoluene        | 10.110 | 165  | 264199   | 43.563 | ng    | # 98     |
| 58) Fluorene                  | 10.469 | 166  | 781775   | 37.229 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.245 | 232  | 97916    | 16.348 | ng    | # 66     |
| 60) Diethylphthalate          | 10.339 | 149  | 860081   | 38.176 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 10.457 | 204  | 408872   | 38.510 | ng    | 87       |
| 62) 4-Nitroaniline            | 10.492 | 138  | 211006   | 43.423 | ng    | # 83     |
| 63) Azobenzene                | 10.616 | 77   | 874863   | 34.620 | ng    | 91       |
| 66) n-Nitrosodiphenylamine    | 10.580 | 169  | 758654   | 35.807 | ng    | 96       |
| 67) 4-Bromophenyl-phenylether | 10.951 | 248  | 280030   | 39.410 | ng    | # 88     |
| 68) Hexachlorobenzene         | 11.016 | 284  | 301209   | 41.207 | ng    | # 86     |
| 69) Atrazine                  | 11.104 | 200  | 242308   | 39.855 | ng    | 91       |
| 70) Pentachlorophenol         | 11.227 | 266  | 19634m   | 4.600  | ng    |          |
| 71) Phenanthrene              | 11.433 | 178  | 1150679  | 35.292 | ng    | 96       |
| 72) Anthracene                | 11.486 | 178  | 1196298  | 37.225 | ng    | 97       |
| 73) Carbazole                 | 11.639 | 167  | 1010343  | 34.404 | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.963 | 149  | 1281252  | 36.765 | ng    | 99       |
| 75) Fluoranthene              | 12.621 | 202  | 1118271  | 34.566 | ng    | 97       |
| 77) Benzidine                 | 12.745 | 184  | 271918   | 28.700 | ng    | 98       |
| 78) Pyrene                    | 12.851 | 202  | 1096413  | 47.115 | ng    | 96       |
| 80) Butylbenzylphthalate      | 13.463 | 149  | 397611   | 43.483 | ng    | 91       |
| 81) Benzo(a)anthracene        | 14.039 | 228  | 723952   | 37.037 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.004 | 252  | 136588   | 22.543 | ng    | # 98     |
| 83) Chrysene                  | 14.080 | 228  | 702140   | 36.323 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 14.021 | 149  | 472789   | 37.619 | ng    | # 99     |
| 85) Di-n-octyl phthalate      | 14.633 | 149  | 748770   | 35.822 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.051 | 276  | 943033   | 42.546 | ng    | # 89     |
| 88) Benzo(b)fluoranthene      | 15.104 | 252  | 743340   | 33.070 | ng    | # 93     |
| 89) Benzo(k)fluoranthene      | 15.133 | 252  | 734333   | 35.010 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.480 | 252  | 768314   | 38.695 | ng    | # 96     |
| 91) Dibenzo(a,h)anthracene    | 17.062 | 278  | 785030   | 40.973 | ng    | # 95     |
| 92) Benzo(g,h,i)perylene      | 17.503 | 276  | 793986   | 42.979 | ng    | # 87     |

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

