

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120820\  
 Data File : BF122595.D  
 Acq On : 8 Dec 2020 18:46  
 Operator : JU/CG  
 Sample : L4965-02MS  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CRT012MS

Manual Integrations  
 APPROVED

mohammad  
 12/9/2020 12:26:45 PM

Quant Time: Dec 09 01:11:45 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF120520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 07 12:08:49 2020  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.840  | 152  | 160061   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.122  | 136  | 649347   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.880  | 164  | 355749   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.363 | 188  | 684716   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.004 | 240  | 467346   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12              | 15.463 | 264  | 459015   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.475  | 112  | 1100944  | 108.89 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.475  | 99   | 1295419  | 96.61  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.404  | 82   | 1008620  | 77.82  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.675 | 330  | 518989   | 111.45 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.204  | 172  | 1792135  | 68.14  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.951 | 244  | 2086558  | 78.15  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.728  | 88   | 158297   | 33.31  | ng    | # 84     |
| 3) Pyridine                   | 3.446  | 79   | 423983   | 33.76  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.375  | 42   | 212595   | 42.21  | ng    | 94       |
| 6) Aniline                    | 6.504  | 93   | 187739   | 11.89  | ng    | 91       |
| 8) 2-Chlorophenol             | 6.628  | 128  | 505516   | 45.36  | ng    | 97       |
| 9) Benzaldehyde               | 6.387  | 77   | 215714   | 26.58  | ng    | 98       |
| 10) Phenol                    | 6.492  | 94   | 522202   | 37.58  | ng    | 88       |
| 11) bis(2-Chloroethyl)ether   | 6.575  | 93   | 475912   | 44.84  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.781  | 146  | 460510   | 34.93  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.857  | 146  | 476922   | 35.87  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 7.010  | 146  | 467002   | 36.39  | ng    | 99       |
| 15) Benzyl Alcohol            | 6.987  | 79   | 439270   | 47.58  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.116  | 45   | 597909   | 39.50  | ng    | 98       |
| 17) 2-Methylphenol            | 7.098  | 107  | 400235   | 45.18  | ng    | 98       |
| 18) Hexachloroethane          | 7.351  | 117  | 160707   | 33.92  | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 7.257  | 70   | 344575   | 44.86  | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.251  | 107  | 475224   | 42.47  | ng    | # 87     |
| 22) Acetophenone              | 7.251  | 105  | 656024   | 40.63  | ng    | # 96     |
| 24) Nitrobenzene              | 7.428  | 77   | 533197   | 41.36  | ng    | 96       |
| 25) Isophorone                | 7.663  | 82   | 965498   | 43.25  | ng    | 100      |
| 26) 2-Nitrophenol             | 7.739  | 139  | 261650   | 41.61  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 7.781  | 122  | 428379   | 46.48  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.875  | 93   | 601276   | 39.33  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 7.987  | 162  | 447021   | 41.53  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.069  | 180  | 429726   | 35.24  | ng    | 98       |
| 31) Naphthalene               | 8.145  | 128  | 1391160  | 38.82  | ng    | 99       |
| 32) Benzoic acid              | 7.881  | 122  | 126435   | 17.22  | ng    | 97       |
| 33) 4-Chloroaniline           | 8.192  | 127  | 113493   | 7.58   | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.263  | 225  | 248374   | 33.09  | ng    | 98       |
| 35) Caprolactam               | 8.569  | 113  | 105140m  | 32.43  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.681  | 107  | 476088   | 44.90  | ng    | 96       |
| 37) 2-Methylnaphthalene       | 8.839  | 142  | 966047   | 40.76  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.939  | 142  | 908209   | 40.50  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.004  | 216  | 462232   | 39.23  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.992  | 237  | 264025   | 50.68  | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 9.116  | 196  | 331113   | 40.69  | ng    | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.163  | 196  | 358224   | 42.59 | ng    | 96       |
| 46) 1,1'-Biphenyl             | 9.304  | 154  | 1186507  | 40.19 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.328  | 162  | 958903   | 39.20 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.422  | 65   | 301701   | 42.30 | ng    | 91       |
| 49) Acenaphthylene            | 9.745  | 152  | 1492218  | 41.30 | ng    | 100      |
| 50) Dimethylphthalate         | 9.604  | 163  | 1270836  | 44.73 | ng    | 98       |
| 51) 2,6-Dinitrotoluene        | 9.663  | 165  | 273624   | 45.60 | ng    | 88       |
| 52) Acenaphthene              | 9.916  | 154  | 938678m  | 40.16 | ng    |          |
| 53) 3-Nitroaniline            | 9.833  | 138  | 129296   | 18.65 | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 9.939  | 184  | 89224    | 30.41 | ng    | 94       |
| 55) Dibenzofuran              | 10.086 | 168  | 1368071  | 41.60 | ng    | 100      |
| 56) 4-Nitrophenol             | 9.998  | 139  | 339550   | 68.68 | ng    | 87       |
| 57) 2,4-Dinitrotoluene        | 10.069 | 165  | 361270   | 45.20 | ng    | 99       |
| 58) Fluorene                  | 10.428 | 166  | 1064547  | 40.70 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.204 | 232  | 297538   | 40.26 | ng    | 99       |
| 60) Diethylphthalate          | 10.304 | 149  | 1137675  | 41.17 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.422 | 204  | 507207   | 39.39 | ng    | 97       |
| 62) 4-Nitroaniline            | 10.451 | 138  | 268809   | 38.19 | ng    | 96       |
| 63) Azobenzene                | 10.580 | 77   | 1070507  | 42.14 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.475 | 198  | 73217    | 17.54 | ng    | 95       |
| 66) n-Nitrosodiphenylamine    | 10.539 | 169  | 952779   | 39.38 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.910 | 248  | 356175   | 38.39 | ng    | 97       |
| 68) Hexachlorobenzene         | 10.980 | 284  | 396525   | 38.66 | ng    | 96       |
| 69) Atrazine                  | 11.069 | 200  | 278625   | 35.46 | ng    | 98       |
| 70) Pentachlorophenol         | 11.175 | 266  | 339259   | 62.43 | ng    | 98       |
| 71) Phenanthrene              | 11.392 | 178  | 1650106  | 40.55 | ng    | 100      |
| 72) Anthracene                | 11.445 | 178  | 1703653  | 42.22 | ng    | 99       |
| 73) Carbazole                 | 11.598 | 167  | 1557516  | 42.56 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.927 | 149  | 1750242  | 38.06 | ng    | 100      |
| 75) Fluoranthene              | 12.580 | 202  | 1684813  | 39.48 | ng    | 99       |
| 77) Benzidine                 | 12.698 | 184  | 173534   | 17.17 | ng    | 99       |
| 78) Pyrene                    | 12.810 | 202  | 1678902  | 46.46 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.427 | 149  | 713382   | 43.83 | ng    | 96       |
| 81) Benzo(a)anthracene        | 13.998 | 228  | 1337086  | 42.81 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 13.957 | 252  | 186274   | 16.65 | ng    | 99       |
| 83) Chrysene                  | 14.033 | 228  | 1329909  | 42.79 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.986 | 149  | 909396   | 40.80 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.598 | 149  | 1489613  | 40.29 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.933 | 276  | 1476619  | 49.01 | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 15.045 | 252  | 1345641  | 41.78 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.074 | 252  | 1265094  | 42.96 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.410 | 252  | 1159900  | 41.17 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.945 | 278  | 1210906  | 49.10 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.368 | 276  | 1248708  | 52.32 | ng    | 100      |

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

