

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF013023\  
 Data File : BF132218.D  
 Acq On : 30 Jan 2023 19:07  
 Operator : CG\JU  
 Sample : 01243-06MS  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TJRC-011923-B4-20-30MS

Quant Time: Jan 31 00:32:22 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF012723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jan 28 02:25:45 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/31/2023  
 Supervised By :Jagrut Upadhyay 01/31/2023

01/31/2023  
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 Upadhyay

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.084  | 152  | 210477   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.372  | 136  | 784503   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 10.136 | 164  | 416168   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.630 | 188  | 793969   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.295 | 240  | 403472   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.883 | 264  | 424947   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.713  | 112  | 1422151  | 112.421 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.695  | 99   | 1819637  | 114.719 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.648  | 82   | 1086187  | 72.485  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.930 | 330  | 494694   | 128.370 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.448  | 172  | 1869585  | 66.103  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.224 | 244  | 1878328  | 73.142  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.102  | 88   | 274191   | 43.064  | ng    | 97       |
| 3) Pyridine                   | 3.831  | 79   | 707039   | 40.432  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.796  | 42   | 250182   | 42.747  | ng    | 85       |
| 6) Aniline                    | 6.742  | 93   | 639416   | 28.788  | ng    | 99       |
| 8) 2-Chlorophenol             | 6.866  | 128  | 672987   | 53.056  | ng    | 95       |
| 9) Benzaldehyde               | 6.631  | 77   | 305841   | 28.903  | ng    | 98       |
| 10) Phenol                    | 6.713  | 94   | 813771   | 49.282  | ng    | 93       |
| 11) bis(2-Chloroethyl)ether   | 6.813  | 93   | 677004   | 47.530  | ng    | 95       |
| 12) 1,3-Dichlorobenzene       | 7.025  | 146  | 715641   | 50.750  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 7.101  | 146  | 715670   | 50.909  | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 7.254  | 146  | 687858   | 52.672  | ng    | 98       |
| 15) Benzyl Alcohol            | 7.219  | 79   | 560697   | 48.107  | ng    | 95       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.348  | 45   | 722600   | 44.673  | ng    | 97       |
| 17) 2-Methylphenol            | 7.319  | 107  | 541110   | 46.918  | ng    | 98       |
| 18) Hexachloroethane          | 7.595  | 117  | 267277   | 51.742  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.489  | 70   | 430519   | 45.095  | ng    | 95       |
| 20) 3+4-Methylphenols         | 7.472  | 107  | 687905   | 47.458  | ng    | 92       |
| 22) Acetophenone              | 7.489  | 105  | 876062   | 45.672  | ng    | 97       |
| 24) Nitrobenzene              | 7.666  | 77   | 684351   | 44.173  | ng    | 94       |
| 25) Isophorone                | 7.901  | 82   | 1301173  | 45.151  | ng    | 98       |
| 26) 2-Nitrophenol             | 7.978  | 139  | 323980   | 51.291  | ng    | 96       |
| 27) 2,4-Dimethylphenol        | 8.007  | 122  | 576391   | 47.828  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 8.107  | 93   | 813005   | 45.822  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 8.219  | 162  | 567791   | 50.459  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.307  | 180  | 626465   | 48.462  | ng    | 99       |
| 31) Naphthalene               | 8.389  | 128  | 1778665  | 45.823  | ng    | 99       |
| 32) Benzoic acid              | 8.078  | 122  | 136571   | 21.633  | ng    | 98       |
| 33) 4-Chloroaniline           | 8.431  | 127  | 224693   | 13.353  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.501  | 225  | 383340   | 47.472  | ng    | 98       |
| 35) Caprolactam               | 8.801  | 113  | 174181m  | 54.670  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.907  | 107  | 577536   | 50.120  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 9.083  | 142  | 1202041  | 45.134  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 9.183  | 142  | 1117871  | 45.248  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.248  | 216  | 643808   | 46.096  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.236  | 237  | 758225   | 106.881 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.354  | 196  | 440507   | 51.691  | ng    | 100      |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.395  | 196  | 468150   | 46.909 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.548  | 154  | 1474544  | 45.976 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.578  | 162  | 1165527  | 46.822 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.672  | 65   | 324505   | 48.541 | ng    | # 81     |
| 49) Acenaphthylene            | 10.001 | 152  | 1792631  | 46.350 | ng    | 100      |
| 50) Dimethylphthalate         | 9.848  | 163  | 1346746  | 47.683 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.907  | 165  | 311540   | 51.921 | ng    | 92       |
| 52) Acenaphthene              | 10.172 | 154  | 1078189  | 45.341 | ng    | 100      |
| 53) 3-Nitroaniline            | 10.078 | 138  | 206481   | 31.099 | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 10.178 | 184  | 66271    | 26.409 | ng    | # 1      |
| 55) Dibenzofuran              | 10.342 | 168  | 1623453  | 45.571 | ng    | 100      |
| 56) 4-Nitrophenol             | 10.230 | 139  | 473761   | 98.761 | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 10.319 | 165  | 400332   | 54.194 | ng    | # 84     |
| 58) Fluorene                  | 10.689 | 166  | 1274186  | 46.826 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.454 | 232  | 367782   | 51.866 | ng    | 98       |
| 60) Diethylphthalate          | 10.548 | 149  | 1347669  | 48.950 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.672 | 204  | 673828   | 46.943 | ng    | 99       |
| 62) 4-Nitroaniline            | 10.701 | 138  | 301892   | 48.460 | ng    | 96       |
| 63) Azobenzene                | 10.836 | 77   | 1472470  | 50.679 | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 10.725 | 198  | 74475    | 21.440 | ng    | 86       |
| 66) n-Nitrosodiphenylamine    | 10.795 | 169  | 1130058  | 45.325 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 11.172 | 248  | 431619   | 47.221 | ng    | 99       |
| 68) Hexachlorobenzene         | 11.236 | 284  | 466135   | 51.467 | ng    | 97       |
| 69) Atrazine                  | 11.319 | 200  | 394222   | 55.089 | ng    | 100      |
| 70) Pentachlorophenol         | 11.430 | 266  | 357277   | 59.767 | ng    | 98       |
| 71) Phenanthrene              | 11.660 | 178  | 1859749  | 46.044 | ng    | 99       |
| 72) Anthracene                | 11.713 | 178  | 1869012  | 45.441 | ng    | 99       |
| 73) Carbazole                 | 11.860 | 167  | 1638889  | 46.384 | ng    | 100      |
| 74) Di-n-butylphthalate       | 12.183 | 149  | 2007504  | 49.941 | ng    | 100      |
| 75) Fluoranthene              | 12.854 | 202  | 1879815  | 45.741 | ng    | 99       |
| 77) Benzidine                 | 12.971 | 184  | 279364   | 26.527 | ng    | 98       |
| 78) Pyrene                    | 13.089 | 202  | 1858014  | 49.149 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.695 | 149  | 675758   | 52.953 | ng    | 95       |
| 81) Benzo(a)anthracene        | 14.283 | 228  | 1345485  | 47.429 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 14.236 | 252  | 224372   | 29.186 | ng    | 99       |
| 83) Chrysene                  | 14.318 | 228  | 1244592  | 47.078 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.254 | 149  | 938520   | 56.882 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.889 | 149  | 1304889  | 52.954 | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.542 | 276  | 1508241  | 53.682 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.407 | 252  | 1279129  | 49.010 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.436 | 252  | 1292930  | 48.010 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.812 | 252  | 1167088  | 47.382 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.565 | 278  | 1225579  | 53.353 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 18.048 | 276  | 1209422  | 51.638 | ng    | 99       |

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

