

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF050823\  
 Data File : BF133293.D  
 Acq On : 08 May 2023 14:14  
 Operator : CG\JU  
 Sample : PB152599BS  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB152599BS

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 05/09/2023  
 Supervised By : Jagrut Upadhyay 05/09/2023

Quant Time: May 09 05:04:30 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 09 04:59:36 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.722  | 152  | 200026   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.010  | 136  | 832728   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.763  | 164  | 443600   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.245 | 188  | 783024   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 13.880 | 240  | 455602   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.292 | 264  | 388166   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.345  | 112  | 1370226  | 103.480 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.375  | 99   | 1689789  | 102.814 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.292  | 82   | 1039684  | 67.392  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.551 | 330  | 431876   | 96.806  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.086  | 172  | 1834141  | 69.173  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.827 | 244  | 1877348  | 71.066  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.493  | 88   | 267092   | 43.487  | ng    | 98       |
| 3) Pyridine                   | 3.181  | 79   | 653084   | 40.035  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.146  | 42   | 353583   | 41.847  | ng    | 98       |
| 6) Aniline                    | 6.386  | 93   | 737962   | 34.862  | ng    | # 24     |
| 8) 2-Chlorophenol             | 6.510  | 128  | 613547   | 45.636  | ng    | 98       |
| 9) Benzaldehyde               | 6.269  | 77   | 342336   | 48.580  | ng    | 97       |
| 10) Phenol                    | 6.386  | 94   | 731000   | 40.317  | ng    | # 72     |
| 11) bis(2-Chloroethyl)ether   | 6.463  | 93   | 577117   | 42.417  | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.663  | 146  | 648925   | 45.399  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.739  | 146  | 654141   | 45.663  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 6.892  | 146  | 606837   | 45.948  | ng    | 97       |
| 15) Benzyl Alcohol            | 6.875  | 79   | 467970   | 41.220  | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.004  | 45   | 956796   | 40.488  | ng    | 93       |
| 17) 2-Methylphenol            | 6.992  | 107  | 520223   | 42.258  | ng    | 97       |
| 18) Hexachloroethane          | 7.234  | 117  | 236413   | 47.468  | ng    | 94       |
| 19) n-Nitroso-di-n-propyla... | 7.145  | 70   | 409908   | 40.062  | ng    | 95       |
| 20) 3+4-Methylphenols         | 7.145  | 107  | 616660   | 42.535  | ng    | # 77     |
| 22) Acetophenone              | 7.133  | 105  | 847036   | 43.911  | ng    | # 95     |
| 24) Nitrobenzene              | 7.310  | 77   | 644642   | 41.236  | ng    | 98       |
| 25) Isophorone                | 7.551  | 82   | 1230194  | 41.998  | ng    | 100      |
| 26) 2-Nitrophenol             | 7.628  | 139  | 351937   | 46.674  | ng    | 95       |
| 27) 2,4-Dimethylphenol        | 7.675  | 122  | 591371   | 45.738  | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 7.763  | 93   | 740218   | 42.717  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.875  | 162  | 534460   | 45.407  | ng    | 96       |
| 30) 1,2,4-Trichlorobenzene    | 7.951  | 180  | 535044   | 43.878  | ng    | 99       |
| 31) Naphthalene               | 8.033  | 128  | 1773140  | 42.589  | ng    | 100      |
| 32) Benzoic acid              | 7.810  | 122  | 393033m  | 49.212  | ng    |          |
| 33) 4-Chloroaniline           | 8.081  | 127  | 421062   | 25.031  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.151  | 225  | 295164   | 43.673  | ng    | 99       |
| 35) Caprolactam               | 8.463  | 113  | 186668m  | 47.209  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.575  | 107  | 579267   | 45.637  | ng    | 95       |
| 37) 2-Methylnaphthalene       | 8.722  | 142  | 1186590  | 41.687  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.822  | 142  | 1113562  | 41.820  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 8.892  | 216  | 486541   | 40.793  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.880  | 237  | 597776   | 85.937  | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.004  | 196  | 355379   | 43.084  | ng    | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.045  | 196  | 384622   | 40.319  | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.186  | 154  | 1466389  | 41.688  | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.210  | 162  | 1109233  | 43.083  | ng    | 99       |
| 48) 2-Nitroaniline            | 9.310  | 65   | 358917   | 42.181  | ng    | 96       |
| 49) Acenaphthylene            | 9.622  | 152  | 1711045  | 41.592  | ng    | 99       |
| 50) Dimethylphthalate         | 9.492  | 163  | 1316569  | 42.564  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.551  | 165  | 300349   | 43.142  | ng    | 97       |
| 52) Acenaphthene              | 9.798  | 154  | 1256250m | 45.595  | ng    |          |
| 53) 3-Nitroaniline            | 9.722  | 138  | 259588   | 31.360  | ng    | 96       |
| 54) 2,4-Dinitrophenol         | 9.827  | 184  | 310717   | 88.792  | ng    | 96       |
| 55) Dibenzofuran              | 9.969  | 168  | 1514755  | 40.303  | ng    | 97       |
| 56) 4-Nitrophenol             | 9.892  | 139  | 505816   | 78.894  | ng    | 87       |
| 57) 2,4-Dinitrotoluene        | 9.957  | 165  | 386713   | 43.557  | ng    | 94       |
| 58) Fluorene                  | 10.310 | 166  | 1124828  | 40.850  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.092 | 232  | 316903   | 42.850  | ng    | 99       |
| 60) Diethylphthalate          | 10.192 | 149  | 1223978  | 41.893  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.304 | 204  | 540800   | 40.302  | ng    | 96       |
| 62) 4-Nitroaniline            | 10.339 | 138  | 333717   | 43.863  | ng    | 97       |
| 63) Azobenzene                | 10.463 | 77   | 1242971  | 40.160  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.363 | 198  | 224371   | 47.275  | ng    | 77       |
| 66) n-Nitrosodiphenylamine    | 10.427 | 169  | 1061384  | 41.788  | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 10.792 | 248  | 351207   | 41.356  | ng    | 97       |
| 68) Hexachlorobenzene         | 10.857 | 284  | 371120   | 42.648  | ng    | 94       |
| 69) Atrazine                  | 10.957 | 200  | 358125   | 48.933  | ng    | 98       |
| 70) Pentachlorophenol         | 11.057 | 266  | 410735   | 66.274  | ng    | 96       |
| 71) Phenanthrene              | 11.269 | 178  | 1706664  | 40.553  | ng    | 99       |
| 72) Anthracene                | 11.321 | 178  | 1742263  | 40.452  | ng    | 99       |
| 73) Carbazole                 | 11.474 | 167  | 1615572  | 42.127  | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.810 | 149  | 1907485  | 43.952  | ng    | 99       |
| 75) Fluoranthene              | 12.457 | 202  | 1685315  | 39.901  | ng    | 96       |
| 77) Benzidine                 | 12.580 | 184  | 1051313  | 136.455 | ng    | # 93     |
| 78) Pyrene                    | 12.680 | 202  | 1755227  | 44.942  | ng    | 98       |
| 80) Butylbenzylphthalate      | 13.304 | 149  | 752191   | 54.394  | ng    | 96       |
| 81) Benzo(a)anthracene        | 13.868 | 228  | 1240614  | 39.598  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.833 | 252  | 297446   | 34.367  | ng    | 99       |
| 83) Chrysene                  | 13.910 | 228  | 1260104  | 40.230  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 13.868 | 149  | 843894   | 48.619  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.474 | 149  | 1399045  | 49.432  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.674 | 276  | 1054802  | 47.773  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 14.892 | 252  | 1061306  | 42.977  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 14.921 | 252  | 1076073  | 43.958  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.239 | 252  | 919915   | 40.926  | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 16.692 | 278  | 876040   | 47.571  | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 17.086 | 276  | 870478   | 47.879  | ng    | 99       |

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

