

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010925\  
 Data File : BF141105.D  
 Acq On : 09 Jan 2025 15:28  
 Operator : RC/JU  
 Sample : PB165989BSD  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB165989BSD

Quant Time: Jan 09 16:02:39 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122624.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 27 00:31:16 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.828  | 152  | 160239   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.110  | 136  | 637237   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.863  | 164  | 346390   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.345 | 188  | 586656   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.986 | 240  | 364876   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.445 | 264  | 361148   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.451  | 112  | 1453746  | 136.755 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.457  | 99   | 1826146  | 133.353 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.392  | 82   | 1187573  | 119.231 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.651 | 330  | 609422   | 181.058 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.186  | 172  | 2169927  | 99.807  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.933 | 244  | 2446158  | 111.355 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.652  | 88   | 195157   | 40.551  | ng    | 97       |
| 3) Pyridine                   | 3.393  | 79   | 515942   | 43.867  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.340  | 42   | 281616   | 47.257  | ng    | 97       |
| 6) Aniline                    | 6.487  | 93   | 516390   | 42.281  | ng    | # 89     |
| 8) 2-Chlorophenol             | 6.610  | 128  | 585934   | 52.280  | ng    | 96       |
| 9) Benzaldehyde               | 6.375  | 77   | 82256    | 5.058   | ng    | 98       |
| 10) Phenol                    | 6.469  | 94   | 705486   | 49.822  | ng    | 91       |
| 11) bis(2-Chloroethyl)ether   | 6.563  | 93   | 536073   | 46.887  | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 6.769  | 146  | 601583   | 48.637  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.845  | 146  | 610325   | 48.948  | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 6.998  | 146  | 581568   | 50.025  | ng    | 98       |
| 15) Benzyl Alcohol            | 6.969  | 79   | 511386   | 51.967  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.104  | 45   | 791788   | 45.793  | ng    | 97       |
| 17) 2-Methylphenol            | 7.081  | 107  | 471915   | 50.683  | ng    | 98       |
| 18) Hexachloroethane          | 7.340  | 117  | 226572   | 51.152  | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 7.245  | 70   | 404180   | 48.177  | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.234  | 107  | 572272   | 48.568  | ng    | # 80     |
| 22) Acetophenone              | 7.240  | 105  | 759541   | 48.588  | ng    | 98       |
| 24) Nitrobenzene              | 7.410  | 77   | 607865   | 54.617  | ng    | 96       |
| 25) Isophorone                | 7.651  | 82   | 1101077  | 50.802  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.728  | 139  | 307091   | 65.195  | ng    | 96       |
| 27) 2,4-Dimethylphenol        | 7.763  | 122  | 478961   | 60.466  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.857  | 93   | 672260   | 48.954  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.963  | 162  | 483705   | 53.842  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.051  | 180  | 497961   | 48.972  | ng    | 99       |
| 31) Naphthalene               | 8.134  | 128  | 1671218  | 49.771  | ng    | 99       |
| 32) Benzoic acid              | 7.881  | 122  | 389430   | 57.859  | ng    | 99       |
| 33) 4-Chloroaniline           | 8.175  | 127  | 189509   | 15.600  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.245  | 225  | 309271   | 51.593  | ng    | 99       |
| 35) Caprolactam               | 8.545  | 113  | 156910m  | 51.377  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.657  | 107  | 539059   | 54.030  | ng    | 100      |
| 37) 2-Methylnaphthalene       | 8.822  | 142  | 1102207  | 51.310  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.922  | 142  | 1023264  | 48.469  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 8.986  | 216  | 494812   | 51.924  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.975  | 237  | 636482   | 201.545 | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 9.098  | 196  | 360971   | 56.913  | ng    | 100      |

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| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.139  | 196  | 364834   | 56.219  | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.286  | 154  | 1356576  | 51.147  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.310  | 162  | 1025626  | 49.859  | ng    | 100      |
| 48) 2-Nitroaniline            | 9.404  | 65   | 331207   | 60.237  | ng    | 93       |
| 49) Acenaphthylene            | 9.728  | 152  | 1602337  | 54.111  | ng    | 99       |
| 50) Dimethylphthalate         | 9.586  | 163  | 1226887  | 53.848  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.645  | 165  | 277755   | 58.880  | ng    | 97       |
| 52) Acenaphthene              | 9.898  | 154  | 1192755  | 59.581  | ng    | 100      |
| 53) 3-Nitroaniline            | 9.810  | 138  | 151131   | 31.139  | ng    | # 93     |
| 54) 2,4-Dinitrophenol         | 9.922  | 184  | 307626   | 129.348 | ng    | # 1      |
| 55) Dibenzofuran              | 10.069 | 168  | 1450770  | 51.567  | ng    | 99       |
| 56) 4-Nitrophenol             | 9.975  | 139  | 452031   | 115.982 | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 10.051 | 165  | 372929   | 63.939  | ng    | 96       |
| 58) Fluorene                  | 10.410 | 166  | 1118449  | 51.266  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.186 | 232  | 315829   | 58.763  | ng    | 99       |
| 60) Diethylphthalate          | 10.286 | 149  | 1200766  | 53.383  | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.404 | 204  | 549083   | 52.306  | ng    | 99       |
| 62) 4-Nitroaniline            | 10.428 | 138  | 280535   | 55.044  | ng    | 97       |
| 63) Azobenzene                | 10.563 | 77   | 1188789  | 50.352  | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.457 | 198  | 210417   | 81.791  | ng    | 92       |
| 66) n-Nitrosodiphenylamine    | 10.522 | 169  | 1017307  | 55.068  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.892 | 248  | 362270   | 57.124  | ng    | 99       |
| 68) Hexachlorobenzene         | 10.957 | 284  | 392819   | 56.174  | ng    | 100      |
| 69) Atrazine                  | 11.051 | 200  | 352558   | 68.313  | ng    | 99       |
| 70) Pentachlorophenol         | 11.151 | 266  | 498043   | 114.392 | ng    | 100      |
| 71) Phenanthrene              | 11.375 | 178  | 1679735  | 54.402  | ng    | 100      |
| 72) Anthracene                | 11.428 | 178  | 1719491  | 56.833  | ng    | 99       |
| 73) Carbazole                 | 11.575 | 167  | 1492168  | 51.304  | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.910 | 149  | 1804806  | 54.557  | ng    | 100      |
| 75) Fluoranthene              | 12.563 | 202  | 1691535  | 50.513  | ng    | 97       |
| 77) Benzidine                 | 12.680 | 184  | 403648   | 52.345  | ng    | 100      |
| 78) Pyrene                    | 12.786 | 202  | 1699618  | 53.261  | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.410 | 149  | 666986   | 57.240  | ng    | 99       |
| 81) Benzo(a)anthracene        | 13.974 | 228  | 1237351  | 48.658  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.939 | 252  | 245991   | 32.197  | ng    | 98       |
| 83) Chrysene                  | 14.016 | 228  | 1201520  | 52.413  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 13.969 | 149  | 762421   | 50.442  | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.586 | 149  | 1205344  | 55.098  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.904 | 276  | 1394516  | 61.289  | ng    | 96       |
| 88) Benzo(b)fluoranthene      | 15.021 | 252  | 1241781  | 49.301  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.051 | 252  | 1038776  | 52.619  | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.386 | 252  | 1104290  | 56.485  | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 16.927 | 278  | 1124080  | 60.946  | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 17.345 | 276  | 1048391  | 54.804  | ng    | 97       |

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

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