

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102324\  
 Data File : BF139961.D  
 Acq On : 23 Oct 2024 13:36  
 Operator : RC/JU  
 Sample : PB164154BSD  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB164154BSD

Quant Time: Oct 23 13:59:46 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 15:07:50 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/24/2024  
 Supervised By :mohammad ahmed 10/25/2024

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.893  | 152  | 161665   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.175  | 136  | 636044   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.928  | 164  | 355843   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.416 | 188  | 646570   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.057 | 240  | 335936   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.533 | 264  | 357796   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.516  | 112  | 1319109  | 127.736 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.516  | 99   | 1685264  | 126.002 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.451  | 82   | 1104799  | 96.270  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.722 | 330  | 534646   | 160.629 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.251  | 172  | 1946395  | 90.399  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.004 | 244  | 2069951  | 100.404 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.775  | 88   | 189334   | 39.323  | ng    | 94       |
| 3) Pyridine                   | 3.528  | 79   | 499060   | 41.816  | ng    | 95       |
| 4) n-Nitrosodimethylamine     | 3.481  | 42   | 277359   | 43.255  | ng    | 96       |
| 6) Aniline                    | 6.551  | 93   | 502708   | 40.329  | ng    | 98       |
| 8) 2-Chlorophenol             | 6.675  | 128  | 524066   | 49.641  | ng    | 98       |
| 9) Benzaldehyde               | 6.440  | 77   | 129085   | 17.156  | ng    | 98       |
| 10) Phenol                    | 6.528  | 94   | 646060m  | 46.854  | ng    |          |
| 11) bis(2-Chloroethyl)ether   | 6.628  | 93   | 494832   | 46.429  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.834  | 146  | 550631   | 45.436  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.910  | 146  | 559405   | 46.204  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.063  | 146  | 537705   | 47.585  | ng    | 98       |
| 15) Benzyl Alcohol            | 7.028  | 79   | 478997   | 48.822  | ng    | 100      |
| 16) 2,2'-oxybis(1-Chloropr... | 7.163  | 45   | 831226   | 45.740  | ng    | 97       |
| 17) 2-Methylphenol            | 7.140  | 107  | 436758   | 48.518  | ng    | 100      |
| 18) Hexachloroethane          | 7.404  | 117  | 204069   | 47.266  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.304  | 70   | 376708   | 46.439  | ng    | 96       |
| 20) 3+4-Methylphenols         | 7.293  | 107  | 526338   | 45.712  | ng    | # 81     |
| 22) Acetophenone              | 7.298  | 105  | 705241   | 45.269  | ng    | 100      |
| 24) Nitrobenzene              | 7.475  | 77   | 573014   | 45.541  | ng    | 98       |
| 25) Isophorone                | 7.710  | 82   | 1030410  | 47.307  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.787  | 139  | 274915   | 57.917  | ng    | 95       |
| 27) 2,4-Dimethylphenol        | 7.822  | 122  | 442007   | 55.845  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.922  | 93   | 616428   | 46.711  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 8.028  | 162  | 439495   | 48.750  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.110  | 180  | 454400   | 45.551  | ng    | 99       |
| 31) Naphthalene               | 8.192  | 128  | 1503638  | 45.838  | ng    | 100      |
| 32) Benzoic acid              | 7.934  | 122  | 344080   | 49.843  | ng    | 97       |
| 33) 4-Chloroaniline           | 8.240  | 127  | 220991   | 19.757  | ng    | 97       |
| 34) Hexachlorobutadiene       | 8.310  | 225  | 292600   | 46.683  | ng    | 99       |
| 35) Caprolactam               | 8.610  | 113  | 147240m  | 51.365  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.716  | 107  | 483040   | 48.389  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.887  | 142  | 950365   | 47.305  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.987  | 142  | 894132   | 45.363  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.051  | 216  | 449111   | 46.782  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.039  | 237  | 584487   | 174.977 | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 9.163  | 196  | 345841   | 50.883  | ng    | 100      |

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|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.204  | 196  | 347946   | 49.619  | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.351  | 154  | 1156329  | 46.679  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.375  | 162  | 919760   | 46.100  | ng    | 100      |
| 48) 2-Nitroaniline            | 9.469  | 65   | 328006   | 53.753  | ng    | 93       |
| 49) Acenaphthylene            | 9.792  | 152  | 1457542  | 50.532  | ng    | 99       |
| 50) Dimethylphthalate         | 9.651  | 163  | 1104702  | 49.841  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.710  | 165  | 250701   | 52.239  | ng    | 97       |
| 52) Acenaphthene              | 9.963  | 154  | 1005969  | 53.913  | ng    | 99       |
| 53) 3-Nitroaniline            | 9.881  | 138  | 151706   | 30.654  | ng    | 93       |
| 54) 2,4-Dinitrophenol         | 9.986  | 184  | 273036   | 132.288 | ng    | # 1      |
| 55) Dibenzofuran              | 10.139 | 168  | 1274548  | 47.609  | ng    | 98       |
| 56) 4-Nitrophenol             | 10.034 | 139  | 408257   | 107.223 | ng    | 100      |
| 57) 2,4-Dinitrotoluene        | 10.116 | 165  | 340646   | 57.721  | ng    | 96       |
| 58) Fluorene                  | 10.481 | 166  | 967345   | 47.441  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.251 | 232  | 296508   | 53.938  | ng    | 97       |
| 60) Diethylphthalate          | 10.351 | 149  | 1066263  | 48.995  | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.469 | 204  | 489688   | 47.555  | ng    | 99       |
| 62) 4-Nitroaniline            | 10.498 | 138  | 245826   | 52.592  | ng    | 98       |
| 63) Azobenzene                | 10.633 | 77   | 1095176  | 47.468  | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 10.522 | 198  | 185801   | 70.450  | ng    | 92       |
| 66) n-Nitrosodiphenylamine    | 10.592 | 169  | 922858   | 47.689  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.963 | 248  | 324462   | 48.711  | ng    | 94       |
| 68) Hexachlorobenzene         | 11.028 | 284  | 358709   | 47.884  | ng    | 96       |
| 69) Atrazine                  | 11.116 | 200  | 307011   | 58.567  | ng    | 100      |
| 70) Pentachlorophenol         | 11.216 | 266  | 454447   | 99.955  | ng    | 99       |
| 71) Phenanthrene              | 11.445 | 178  | 1451375  | 47.522  | ng    | 100      |
| 72) Anthracene                | 11.492 | 178  | 1468169  | 49.270  | ng    | 99       |
| 73) Carbazole                 | 11.645 | 167  | 1291336  | 46.596  | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.975 | 149  | 1560879  | 48.750  | ng    | 100      |
| 75) Fluoranthene              | 12.627 | 202  | 1437108  | 46.546  | ng    | 99       |
| 77) Benzidine                 | 12.745 | 184  | 310637   | 56.235  | ng    | 99       |
| 78) Pyrene                    | 12.857 | 202  | 1455283  | 49.490  | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.474 | 149  | 485460   | 55.067  | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.045 | 228  | 1088912  | 49.794  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.004 | 252  | 218064   | 34.200  | ng    | 99       |
| 83) Chrysene                  | 14.080 | 228  | 1013566  | 50.550  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.033 | 149  | 568264   | 57.453  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.645 | 149  | 968166   | 53.816  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.033 | 276  | 1241821  | 53.950  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.098 | 252  | 1073628  | 49.259  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.133 | 252  | 919342   | 48.910  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.474 | 252  | 972366   | 54.219  | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 17.057 | 278  | 1019996  | 53.119  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.486 | 276  | 938810   | 48.946  | ng    | 99       |

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

