

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120224\  
 Data File : BF140683.D  
 Acq On : 02 Dec 2024 11:23  
 Operator : RC/JU  
 Sample : PB165296BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

## Instrument :

BNA\_F

## ClientSampleId :

PB165296BS

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 12/03/2024

Supervised By :mohammad ahmed 12/05/2024

Quant Time: Dec 02 11:48:00 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Nov 21 15:23:48 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.869  | 152  | 84060    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.151  | 136  | 323501   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.910  | 164  | 181370   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.398 | 188  | 351850   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.063 | 240  | 225717   | 20.000  | ng    | 0.01     |
| 86) Perylene-d12              | 15.580 | 264  | 182835   | 20.000  | ng    | 0.04     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.510  | 112  | 636662   | 129.227 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.516  | 99   | 841109   | 129.139 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.434  | 82   | 548153   | 86.671  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.704 | 330  | 260220   | 134.150 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.228  | 172  | 1065831  | 87.557  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.986 | 244  | 1268336  | 87.497  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.740  | 88   | 85394    | 41.225  | ng    | 98       |
| 3) Pyridine                   | 3.504  | 79   | 206641   | 45.340  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.457  | 42   | 117073   | 43.706  | ng    | 94       |
| 6) Aniline                    | 6.534  | 93   | 205213   | 44.764  | ng    | # 77     |
| 8) 2-Chlorophenol             | 6.663  | 128  | 261176   | 49.275  | ng    | 95       |
| 9) Benzaldehyde               | 6.422  | 77   | 101418   | 29.414  | ng    | 99       |
| 10) Phenol                    | 6.528  | 94   | 321437   | 48.324  | ng    | 100      |
| 11) bis(2-Chloroethyl)ether   | 6.604  | 93   | 239740   | 47.100  | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.810  | 146  | 268958   | 45.159  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.887  | 146  | 276129   | 45.789  | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 7.039  | 146  | 264067   | 46.731  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.016  | 79   | 238782   | 49.436  | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.139  | 45   | 291227   | 48.431  | ng    | 88       |
| 17) 2-Methylphenol            | 7.128  | 107  | 203823   | 48.038  | ng    | 98       |
| 18) Hexachloroethane          | 7.381  | 117  | 101338   | 44.993  | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 7.281  | 70   | 183293   | 47.617  | ng    | 97       |
| 20) 3+4-Methylphenols         | 7.281  | 107  | 268055   | 49.152  | ng    | 95       |
| 22) Acetophenone              | 7.281  | 105  | 350806   | 44.480  | ng    | 98       |
| 24) Nitrobenzene              | 7.457  | 77   | 285214   | 43.633  | ng    | 97       |
| 25) Isophorone                | 7.692  | 82   | 497047   | 47.119  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.769  | 139  | 137930   | 47.616  | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 7.804  | 122  | 208836m  | 60.255  | ng    |          |
| 28) bis(2-Chloroethoxy)met... | 7.898  | 93   | 298179   | 46.399  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.016  | 162  | 221065   | 48.136  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.092  | 180  | 231287   | 44.108  | ng    | 99       |
| 31) Naphthalene               | 8.175  | 128  | 761156   | 45.679  | ng    | 99       |
| 32) Benzoic acid              | 7.945  | 122  | 112150   | 38.805  | ng    | 97       |
| 33) 4-Chloroaniline           | 8.222  | 127  | 134593   | 26.978  | ng    | 100      |
| 34) Hexachlorobutadiene       | 8.286  | 225  | 152624   | 43.944  | ng    | 99       |
| 35) Caprolactam               | 8.598  | 113  | 68771m   | 48.388  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.716  | 107  | 245034   | 47.654  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.863  | 142  | 503409   | 47.564  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.963  | 142  | 466456   | 44.963  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.033  | 216  | 244163   | 45.985  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.016  | 237  | 194939   | 155.740 | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 9.151  | 196  | 155451   | 46.658  | ng    | 99       |

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Manual Integrations  
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Quant Time: Dec 02 11:48:00 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 21 15:23:48 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.192  | 196  | 164672   | 45.541 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.328  | 154  | 634327   | 46.844 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.357  | 162  | 475486   | 46.341 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.457  | 65   | 155098   | 47.093 | ng    | 95       |
| 49) Acenaphthylene            | 9.769  | 152  | 770537   | 49.703 | ng    | 99       |
| 50) Dimethylphthalate         | 9.628  | 163  | 568671   | 47.608 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.698  | 165  | 122044   | 45.051 | ng    | 94       |
| 52) Acenaphthene              | 9.945  | 154  | 469075   | 47.620 | ng    | 100      |
| 53) 3-Nitroaniline            | 9.869  | 138  | 77288    | 29.170 | ng    | 96       |
| 54) 2,4-Dinitrophenol         | 9.986  | 184  | 111661   | 79.626 | ng    | 95       |
| 55) Dibenzofuran              | 10.116 | 168  | 712544   | 47.424 | ng    | 100      |
| 56) 4-Nitrophenol             | 10.045 | 139  | 161998   | 89.650 | ng    | 95       |
| 57) 2,4-Dinitrotoluene        | 10.104 | 165  | 173587   | 48.213 | ng    | 97       |
| 58) Fluorene                  | 10.457 | 166  | 570177   | 47.278 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232  | 142991   | 51.455 | ng    | 93       |
| 60) Diethylphthalate          | 10.327 | 149  | 580252   | 47.811 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.445 | 204  | 276657   | 46.744 | ng    | 99       |
| 62) 4-Nitroaniline            | 10.486 | 138  | 131072   | 47.167 | ng    | 95       |
| 63) Azobenzene                | 10.610 | 77   | 543798   | 47.316 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.516 | 198  | 87923    | 48.901 | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 10.569 | 169  | 490603   | 47.150 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.939 | 248  | 165858   | 45.773 | ng    | 97       |
| 68) Hexachlorobenzene         | 11.010 | 284  | 194592   | 46.379 | ng    | 99       |
| 69) Atrazine                  | 11.098 | 200  | 164709   | 56.269 | ng    | 99       |
| 70) Pentachlorophenol         | 11.210 | 266  | 159519   | 86.384 | ng    | 99       |
| 71) Phenanthrene              | 11.427 | 178  | 805195   | 47.608 | ng    | 99       |
| 72) Anthracene                | 11.480 | 178  | 822267   | 49.701 | ng    | 100      |
| 73) Carbazole                 | 11.633 | 167  | 769341   | 48.339 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.951 | 149  | 892443   | 48.570 | ng    | 100      |
| 75) Fluoranthene              | 12.616 | 202  | 927623   | 50.515 | ng    | 99       |
| 77) Benzidine                 | 12.739 | 184  | 200804   | 30.598 | ng    | 99       |
| 78) Pyrene                    | 12.845 | 202  | 961001   | 46.046 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.457 | 149  | 353715   | 47.047 | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.051 | 228  | 719595   | 48.161 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 14.010 | 252  | 121565   | 27.099 | ng    | 98       |
| 83) Chrysene                  | 14.092 | 228  | 662894   | 48.520 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.027 | 149  | 467704   | 49.266 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.668 | 149  | 675525   | 52.067 | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.104 | 276  | 566967   | 47.584 | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 15.145 | 252  | 542277   | 47.220 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.174 | 252  | 491611   | 48.918 | ng    | 100      |
| 90) Benzo(a)pyrene            | 15.521 | 252  | 488885   | 52.357 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.115 | 278  | 462916   | 47.439 | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 17.556 | 276  | 436948   | 43.881 | ng    | 98       |

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

