

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG030624\  
 Data File : BG060580.D  
 Acq On : 6 Mar 2024 20:33  
 Operator : MA/JU  
 Sample : SSTDICC080  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

## Instrument :

BNA\_G

## ClientSampleId :

SSTDICC080

## Manual Integrations

## APPROVED

Reviewed By :Jagrut Upadhyay 03/07/2024  
 Supervised By :mohammad ahmed 03/08/2024

Quant Time: Mar 07 02:37:47 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG030624.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Mar 07 02:28:17 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.326  | 152  | 72472    | 20.000  | ng    | # 0.00   |
| 21) Naphthalene-d8            | 11.175 | 136  | 318951   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.953 | 164  | 212512   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.703 | 188  | 479747   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 22.033 | 240  | 461353   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 25.594 | 264  | 537010   | 20.000  | ng    | 0.01     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.811  | 112  | 745567   | 165.429 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.444  | 99   | 1099446  | 164.799 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.530  | 82   | 968228   | 158.589 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.440 | 330  | 450662   | 162.762 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.584 | 172  | 2429806  | 150.374 | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.288 | 244  | 3495025  | 135.142 | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.649  | 88   | 150745   | 75.698  | ng    | 99       |
| 3) Pyridine                   | 4.072  | 79   | 452171m  | 83.049  | ng    |          |
| 4) n-Nitrosodimethylamine     | 3.996  | 42   | 250273   | 81.840  | ng    | # 98     |
| 6) Aniline                    | 7.656  | 93   | 542491   | 81.309  | ng    | 100      |
| 8) 2-Chlorophenol             | 7.879  | 128  | 411724   | 88.159  | ng    | 94       |
| 9) Benzaldehyde               | 7.474  | 77   | 279843   | 69.069  | ng    | 93       |
| 10) Phenol                    | 7.474  | 94   | 545236   | 83.107  | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 7.744  | 93   | 423711   | 80.080  | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 8.208  | 146  | 464812   | 79.336  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 8.361  | 146  | 473632   | 79.297  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.684  | 146  | 468672   | 80.837  | ng    | 98       |
| 15) Benzyl Alcohol            | 8.573  | 79   | 426167   | 87.854  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.843  | 45   | 842012   | 81.662  | ng    | 99       |
| 17) 2-Methylphenol            | 8.749  | 107  | 403001   | 85.602  | ng    | 95       |
| 18) Hexachloroethane          | 9.413  | 117  | 163392   | 87.831  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 9.142  | 70   | 383444   | 84.962  | ng    | 100      |
| 20) 3+4-Methylphenols         | 9.084  | 107  | 552490   | 86.782  | ng    | 98       |
| 22) Acetophenone              | 9.172  | 105  | 744973   | 82.823  | ng    | # 96     |
| 25) Isophorone                | 10.083 | 82   | 1085063  | 82.550  | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 10.300 | 122  | 332627   | 84.069  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 10.564 | 93   | 601036   | 81.061  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 10.799 | 162  | 415246   | 81.080  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 11.017 | 180  | 450616   | 80.537  | ng    | 99       |
| 31) Naphthalene               | 11.228 | 128  | 1478694  | 80.426  | ng    | 99       |
| 32) Benzoic acid              | 10.453 | 122  | 280329   | 79.310  | ng    | 92       |
| 33) 4-Chloroaniline           | 11.340 | 127  | 583324   | 84.270  | ng    | 99       |
| 34) Hexachlorobutadiene       | 11.457 | 225  | 301757   | 79.202  | ng    | 97       |
| 35) Caprolactam               | 12.157 | 113  | 147038   | 93.164  | ng    | # 92     |
| 36) 4-Chloro-3-methylphenol   | 12.409 | 107  | 520331   | 90.255  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 12.803 | 142  | 989847   | 80.592  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 13.020 | 142  | 984079   | 80.110  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 13.144 | 216  | 515693   | 78.680  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 13.103 | 237  | 193879   | 80.716  | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 13.385 | 196  | 345546   | 80.384  | ng    | 99       |
| 44) 2,4,5-Trichlorophenol     | 13.455 | 196  | 377748   | 80.020  | ng    | 98       |
| 46) 1,1'-Biphenyl             | 13.796 | 154  | 1305003  | 78.602  | ng    | 99       |

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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG030624.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Mar 07 02:28:17 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 47) 2-Chloronaphthalene       | 13.849 | 162  | 1050384  | 78.882 | ng    | 98       |
| 48) 2-Nitroaniline            | 14.060 | 65   | 304231   | 79.139 | ng    | 93       |
| 49) Acenaphthylene            | 14.689 | 152  | 1600779  | 79.269 | ng    | 99       |
| 50) Dimethylphthalate         | 14.407 | 163  | 1300885  | 82.444 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 14.542 | 165  | 236845   | 79.446 | ng    | 97       |
| 52) Acenaphthene              | 15.024 | 154  | 981413   | 78.240 | ng    | 99       |
| 53) 3-Nitroaniline            | 14.883 | 138  | 260766   | 79.306 | ng    | # 89     |
| 54) 2,4-Dinitrophenol         | 15.071 | 184  | 98968    | 79.830 | ng    | # 86     |
| 55) Dibenzofuran              | 15.353 | 168  | 1556112  | 78.309 | ng    | 97       |
| 56) 4-Nitrophenol             | 15.147 | 139  | 216917   | 79.536 | ng    | 95       |
| 57) 2,4-Dinitrotoluene        | 15.318 | 165  | 293153   | 79.418 | ng    | # 85     |
| 58) Fluorene                  | 15.999 | 166  | 1270996  | 78.158 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 15.559 | 232  | 327132   | 81.480 | ng    | 99       |
| 60) Diethylphthalate          | 15.752 | 149  | 1390646  | 83.527 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.982 | 204  | 636619   | 78.341 | ng    | 99       |
| 62) 4-Nitroaniline            | 16.046 | 138  | 292378m  | 79.337 | ng    |          |
| 63) Azobenzene                | 16.281 | 77   | 1389300  | 79.951 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 16.070 | 198  | 141971   | 79.588 | ng    | 96       |
| 66) n-Nitrosodiphenylamine    | 16.205 | 169  | 1140833  | 78.641 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.880 | 248  | 423312   | 79.021 | ng    | 97       |
| 68) Hexachlorobenzene         | 16.969 | 284  | 500551   | 79.261 | ng    | 99       |
| 69) Atrazine                  | 17.133 | 200  | 221708   | 61.435 | ng    | 98       |
| 70) Pentachlorophenol         | 17.321 | 266  | 305380   | 80.809 | ng    | 96       |
| 71) Phenanthrene              | 17.750 | 178  | 1978452  | 77.596 | ng    | 97       |
| 72) Anthracene                | 17.838 | 178  | 1992820  | 78.774 | ng    | 97       |
| 73) Carbazole                 | 18.114 | 167  | 1887968  | 79.404 | ng    | 97       |
| 74) Di-n-butylphthalate       | 18.625 | 149  | 2290795  | 85.423 | ng    | 98       |
| 75) Fluoranthene              | 19.742 | 202  | 2366574  | 78.475 | ng    | 98       |
| 77) Benzidine                 | 19.924 | 184  | 353887   | 67.772 | ng    | 98       |
| 78) Pyrene                    | 20.100 | 202  | 2492136  | 75.516 | ng    | 97       |
| 80) Butylbenzylphthalate      | 20.970 | 149  | 1013556  | 79.758 | ng    | 98       |
| 81) Benzo(a)anthracene        | 22.010 | 228  | 2524214  | 79.283 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.922 | 252  | 838504   | 82.858 | ng    | 97       |
| 83) Chrysene                  | 22.086 | 228  | 2427371  | 78.462 | ng    | 97       |
| 84) Bis(2-ethylhexyl)phtha... | 21.857 | 149  | 1498184  | 79.294 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 23.197 | 149  | 2527016  | 79.185 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 29.736 | 276  | 3111529m | 83.508 | ng    |          |
| 88) Benzo(b)fluoranthene      | 24.442 | 252  | 2580106  | 81.044 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 24.524 | 252  | 2507741  | 79.650 | ng    | 99       |
| 90) Benzo(a)pyrene            | 25.429 | 252  | 2293083  | 82.021 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 29.830 | 278  | 2582515  | 84.279 | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 31.064 | 276  | 2603770  | 83.444 | ng    | 99       |

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

