

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG051524\  
 Data File : BG061211.D  
 Acq On : 15 May 2024 18:24  
 Operator : MA/JU  
 Sample : P2468-01MS  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

## Instrument :

BNA\_G

## ClientSampleId :

WC-MH-IIMS

## Manual Integrations

## APPROVED

Reviewed By :Jagrut Upadhyay 05/16/2024

Supervised By :mohammad ahmed 05/17/2024

Quant Time: May 16 01:14:07 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG043024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 01 05:11:25 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.929  | 152  | 27946    | 20.000  | ng    | -0.03    |
| 21) Naphthalene-d8            | 10.726 | 136  | 108132   | 20.000  | ng    | #-0.03   |
| 39) Acenaphthene-d10          | 14.557 | 164  | 82617    | 20.000  | ng    | -0.03    |
| 64) Phenanthrene-d10          | 17.306 | 188  | 187682   | 20.000  | ng    | #-0.03   |
| 76) Chrysene-d12              | 21.572 | 240  | 190818   | 20.000  | ng    | -0.02    |
| 86) Perylene-d12              | 24.686 | 264  | 231045   | 20.000  | ng    | -0.04    |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.526  | 112  | 176150   | 128.191 | ng    | -0.02    |
| 7) Phenol-d6                  | 7.112  | 99   | 238626   | 117.390 | ng    | -0.02    |
| 23) Nitrobenzene-d5           | 9.086  | 82   | 173348   | 79.470  | ng    | -0.03    |
| 42) 2,4,6-Tribromophenol      | 16.055 | 330  | 177069   | 107.226 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl          | 13.182 | 172  | 436334   | 78.097  | ng    | -0.03    |
| 79) Terphenyl-d14             | 19.927 | 244  | 796689   | 69.438  | ng    | -0.03    |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.434  | 88   | 17556    | 31.598  | ng    | 93       |
| 3) Pyridine                   | 3.822  | 79   | 47656    | 29.149  | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.740  | 42   | 54626    | 34.776  | ng    | 100      |
| 6) Aniline                    | 7.253  | 93   | 33613    | 16.680  | ng    | # 86     |
| 8) 2-Chlorophenol             | 7.500  | 128  | 76263    | 45.238  | ng    | 98       |
| 9) Benzaldehyde               | 7.071  | 77   | 19003    | 14.771  | ng    | 97       |
| 10) Phenol                    | 7.136  | 94   | 91976    | 44.493  | ng    | 95       |
| 11) bis(2-Chloroethyl)ether   | 7.353  | 93   | 61025    | 42.732  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 7.817  | 146  | 81951    | 41.236  | ng    | 93       |
| 13) 1,4-Dichlorobenzene       | 7.964  | 146  | 85301    | 41.529  | ng    | 95       |
| 14) 1,2-Dichlorobenzene       | 8.282  | 146  | 83042    | 41.904  | ng    | 97       |
| 15) Benzyl Alcohol            | 8.164  | 79   | 77344    | 42.179  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.446  | 45   | 145173   | 46.848  | ng    | 98       |
| 17) 2-Methylphenol            | 8.381  | 107  | 63551    | 43.139  | ng    | 98       |
| 18) Hexachloroethane          | 9.004  | 117  | 31232    | 42.613  | ng    | 93       |
| 19) n-Nitroso-di-n-propyla... | 8.734  | 70   | 56986    | 37.460  | ng    | 90       |
| 20) 3+4-Methylphenols         | 8.705  | 107  | 85231    | 40.101  | ng    | 98       |
| 22) Acetophenone              | 8.746  | 105  | 119178   | 44.256  | ng    | 98       |
| 24) Nitrobenzene              | 9.128  | 77   | 94223    | 44.155  | ng    | 97       |
| 25) Isophorone                | 9.650  | 82   | 161590   | 40.075  | ng    | 98       |
| 26) 2-Nitrophenol             | 9.839  | 139  | 44037    | 43.557  | ng    | 95       |
| 27) 2,4-Dimethylphenol        | 9.903  | 122  | 56582    | 48.543  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 10.132 | 93   | 87013    | 43.970  | ng    | 97       |
| 29) 2,4-Dichlorophenol        | 10.379 | 162  | 83159    | 45.534  | ng    | 89       |
| 30) 1,2,4-Trichlorobenzene    | 10.591 | 180  | 98624    | 44.817  | ng    | 98       |
| 31) Naphthalene               | 10.773 | 128  | 243253   | 43.285  | ng    | 98       |
| 32) Benzoic acid              | 10.074 | 122  | 29882m   | 22.177  | ng    |          |
| 33) 4-Chloroaniline           | 10.884 | 127  | 27852    | 12.427  | ng    | 94       |
| 34) Hexachlorobutadiene       | 11.061 | 225  | 82224    | 43.547  | ng    | 95       |
| 35) Caprolactam               | 11.666 | 113  | 23441m   | 35.641  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.024 | 107  | 88980    | 40.404  | ng    | 96       |
| 37) 2-Methylnaphthalene       | 12.383 | 142  | 171880   | 40.814  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.600 | 142  | 160667   | 37.897  | ng    | 97       |
| 40) 1,2,4,5-Tetrachloroben... | 12.753 | 216  | 141315   | 51.253  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.729 | 237  | 61046    | 57.837  | ng    | 90       |
| 43) 2,4,6-Trichlorophenol     | 13.000 | 196  | 80184    | 45.298  | ng    | 98       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.076 | 196  | 87158    | 43.505 | ng    | 96       |
| 46) 1,1'-Biphenyl             | 13.393 | 154  | 252503   | 47.667 | ng    | 97       |
| 47) 2-Chloronaphthalene       | 13.434 | 162  | 194824   | 45.930 | ng    | 98       |
| 48) 2-Nitroaniline            | 13.640 | 65   | 72157    | 45.842 | ng    | 94       |
| 49) Acenaphthylene            | 14.280 | 152  | 320664   | 49.220 | ng    | 98       |
| 50) Dimethylphthalate         | 14.016 | 163  | 262296   | 41.104 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 14.139 | 165  | 56067    | 41.077 | ng    | 93       |
| 52) Acenaphthene              | 14.627 | 154  | 178270   | 43.864 | ng    | 97       |
| 53) 3-Nitroaniline            | 14.468 | 138  | 32715    | 26.195 | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 14.680 | 184  | 38690    | 41.092 | ng    | 98       |
| 55) Dibenzofuran              | 14.962 | 168  | 303866   | 44.265 | ng    | 97       |
| 56) 4-Nitrophenol             | 14.797 | 139  | 71991    | 71.327 | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 14.933 | 165  | 79439    | 39.338 | ng    | 96       |
| 58) Fluorene                  | 15.608 | 166  | 252245   | 42.464 | ng    | 94       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.191 | 232  | 85448m   | 41.434 | ng    |          |
| 60) Diethylphthalate          | 15.379 | 149  | 252773   | 39.281 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 15.602 | 204  | 151189   | 42.388 | ng    | 98       |
| 62) 4-Nitroaniline            | 15.632 | 138  | 50172    | 37.040 | ng    | 92       |
| 63) Azobenzene                | 15.896 | 77   | 220933   | 44.104 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 15.696 | 198  | 34804    | 29.888 | ng    | 94       |
| 66) n-Nitrosodiphenylamine    | 15.820 | 169  | 223751   | 48.075 | ng    | 97       |
| 67) 4-Bromophenyl-phenylether | 16.495 | 248  | 108319   | 48.993 | ng    | 96       |
| 68) Hexachlorobenzene         | 16.619 | 284  | 126429   | 45.944 | ng    | 99       |
| 69) Atrazine                  | 16.772 | 200  | 96590    | 50.323 | ng    | 95       |
| 70) Pentachlorophenol         | 16.965 | 266  | 115429   | 68.277 | ng    | 98       |
| 71) Phenanthrene              | 17.353 | 178  | 418622   | 48.781 | ng    | 99       |
| 72) Anthracene                | 17.441 | 178  | 412582   | 48.182 | ng    | 99       |
| 73) Carbazole                 | 17.712 | 167  | 341775   | 45.395 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.270 | 149  | 403261   | 45.044 | ng    | 100      |
| 75) Fluoranthene              | 19.363 | 202  | 534982   | 45.505 | ng    | 100      |
| 77) Benzidine                 | 19.545 | 184  | 147233   | 40.982 | ng    | 97       |
| 78) Pyrene                    | 19.727 | 202  | 559949   | 46.157 | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.614 | 149  | 175767   | 45.771 | ng    | 99       |
| 81) Benzo(a)anthracene        | 21.548 | 228  | 587358   | 47.039 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 21.466 | 252  | 134894   | 30.019 | ng    | 97       |
| 83) Chrysene                  | 21.613 | 228  | 548689   | 46.902 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 21.460 | 149  | 245548   | 48.967 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 22.635 | 149  | 421711   | 47.666 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 28.240 | 276  | 626455   | 40.913 | ng    | # 98     |
| 88) Benzo(b)fluoranthene      | 23.705 | 252  | 590035   | 45.701 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 23.769 | 252  | 564180   | 45.422 | ng    | 98       |
| 90) Benzo(a)pyrene            | 24.545 | 252  | 538731   | 47.895 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 28.305 | 278  | 532537   | 41.997 | ng    | # 96     |
| 92) Benzo(g,h,i)perylene      | 29.351 | 276  | 448623m  | 35.602 | ng    |          |

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

