

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG090624\  
 Data File : BG062676.D  
 Acq On : 6 Sep 2024 11:17  
 Operator : MA/JU  
 Sample : IDOC-02  
 Misc : 8270-WATER  
 ALS Vial : 5 Sample Multiplier: 1

## Instrument :

BNA\_G

ClientSampleId :

IDOC-02

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 09/07/2024

Supervised By :mohammad ahmed 09/07/2024

Quant Time: Sep 06 12:33:41 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG083024.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Aug 31 02:36:01 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.923  | 152  | 85336    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.714 | 136  | 359429   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.551 | 164  | 314474   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.295 | 188  | 873906   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.543 | 240  | 882859   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.610 | 264  | 874629   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.503  | 112  | 659753   | 133.637 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.095  | 99   | 869929   | 121.975 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.081  | 82   | 548225   | 82.145  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.037 | 330  | 615534   | 139.084 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.170 | 172  | 1466056  | 75.513  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.909 | 244  | 3227611  | 72.490  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.405  | 88   | 55795    | 27.129  | ng    | 96       |
| 3) Pyridine                   | 3.799  | 79   | 148417   | 25.046  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.711  | 42   | 125032   | 43.401  | ng    | 94       |
| 6) Aniline                    | 7.248  | 93   | 152522   | 22.890  | ng    | 94       |
| 8) 2-Chlorophenol             | 7.489  | 128  | 248502   | 46.885  | ng    | 96       |
| 9) Benzaldehyde               | 7.060  | 77   | 30579    | 7.371   | ng    | 95       |
| 10) Phenol                    | 7.118  | 94   | 336979   | 46.672  | ng    | 95       |
| 11) bis(2-Chloroethyl)ether   | 7.342  | 93   | 224081   | 40.536  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 7.812  | 146  | 237075   | 40.759  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 7.959  | 146  | 242938   | 40.585  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.276  | 146  | 236581   | 40.209  | ng    | 97       |
| 15) Benzyl Alcohol            | 8.158  | 79   | 246307   | 46.675  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.440  | 45   | 407908   | 38.717  | ng    | 99       |
| 17) 2-Methylphenol            | 8.364  | 107  | 225521   | 44.810  | ng    | 97       |
| 18) Hexachloroethane          | 9.004  | 117  | 85411    | 38.054  | ng    | 87       |
| 19) n-Nitroso-di-n-propyla... | 8.722  | 70   | 211291   | 37.597  | ng    | 99       |
| 20) 3+4-Methylphenols         | 8.693  | 107  | 313650   | 42.243  | ng    | 95       |
| 22) Acetophenone              | 8.740  | 105  | 368539   | 38.008  | ng    | # 98     |
| 24) Nitrobenzene              | 9.122  | 77   | 289506   | 40.798  | ng    | 98       |
| 25) Isophorone                | 9.645  | 82   | 569663   | 38.885  | ng    | 97       |
| 26) 2-Nitrophenol             | 9.827  | 139  | 128801   | 48.038  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 9.892  | 122  | 188932   | 48.091  | ng    | 96       |
| 28) bis(2-Chloroethoxy)met... | 10.127 | 93   | 311611   | 39.734  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.368 | 162  | 267342   | 48.670  | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 10.579 | 180  | 281538   | 43.236  | ng    | 98       |
| 31) Naphthalene               | 10.767 | 128  | 748768   | 42.030  | ng    | 99       |
| 32) Benzoic acid              | 10.044 | 122  | 180558   | 42.733  | ng    | 92       |
| 33) 4-Chloroaniline           | 10.873 | 127  | 172676   | 24.630  | ng    | 94       |
| 34) Hexachlorobutadiene       | 11.055 | 225  | 189748   | 41.722  | ng    | 100      |
| 35) Caprolactam               | 11.654 | 113  | 96589m   | 45.613  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.001 | 107  | 311064   | 46.948  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.371 | 142  | 577351   | 41.783  | ng    | 95       |
| 38) 1-Methylnaphthalene       | 12.594 | 142  | 548179   | 39.509  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.741 | 216  | 366745   | 38.779  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.724 | 237  | 266043   | 98.597  | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 12.982 | 196  | 279169   | 46.564  | ng    | 94       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG090624\  
 Data File : BG062676.D  
 Acq On : 6 Sep 2024 11:17  
 Operator : MA/JU  
 Sample : IDOC-02  
 Misc : 8270-WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 IDOC-02

Quant Time: Sep 06 12:33:41 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG083024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Aug 31 02:36:01 2024  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 09/07/2024  
 Supervised By :mohammad ahmed 09/07/2024

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.058 | 196  | 319216   | 47.016  | ng    | 99       |
| 46) 1,1'-Biphenyl             | 13.382 | 154  | 778464   | 37.106  | ng    | 100      |
| 47) 2-Chloronaphthalene       | 13.423 | 162  | 681012   | 40.052  | ng    | 99       |
| 48) 2-Nitroaniline            | 13.628 | 65   | 234877   | 52.520  | ng    | 98       |
| 49) Acenaphthylene            | 14.269 | 152  | 1134497  | 45.056  | ng    | 97       |
| 50) Dimethylphthalate         | 14.010 | 163  | 1001524  | 43.554  | ng    | 98       |
| 51) 2,6-Dinitrotoluene        | 14.122 | 165  | 213645   | 49.120  | ng    | 95       |
| 52) Acenaphthene              | 14.615 | 154  | 649958   | 41.292  | ng    | 97       |
| 53) 3-Nitroaniline            | 14.457 | 138  | 164737   | 39.143  | ng    | 95       |
| 54) 2,4-Dinitrophenol         | 14.662 | 184  | 279475   | 114.497 | ng    | 97       |
| 55) Dibenzofuran              | 14.950 | 168  | 1180432  | 43.729  | ng    | 97       |
| 56) 4-Nitrophenol             | 14.768 | 139  | 362144   | 101.535 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 14.915 | 165  | 318524   | 53.673  | ng    | 93       |
| 58) Fluorene                  | 15.597 | 166  | 922247   | 43.532  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.174 | 232  | 329285   | 51.196  | ng    | 95       |
| 60) Diethylphthalate          | 15.373 | 149  | 1004658  | 44.081  | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 15.591 | 204  | 532221   | 43.761  | ng    | 97       |
| 62) 4-Nitroaniline            | 15.620 | 138  | 222839   | 48.020  | ng    | 97       |
| 63) Azobenzene                | 15.885 | 77   | 937776   | 43.819  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 15.679 | 198  | 205401   | 52.668  | ng    | 90       |
| 66) n-Nitrosodiphenylamine    | 15.808 | 169  | 888624   | 42.294  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.484 | 248  | 386820   | 42.888  | ng    | 97       |
| 68) Hexachlorobenzene         | 16.601 | 284  | 454230   | 42.525  | ng    | 95       |
| 69) Atrazine                  | 16.754 | 200  | 278694   | 39.052  | ng    | 98       |
| 70) Pentachlorophenol         | 16.948 | 266  | 570313   | 83.363  | ng    | 98       |
| 71) Phenanthrene              | 17.336 | 178  | 1724195  | 42.270  | ng    | 99       |
| 72) Anthracene                | 17.424 | 178  | 1721486  | 42.924  | ng    | 99       |
| 73) Carbazole                 | 17.694 | 167  | 1552177  | 42.100  | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.258 | 149  | 1725074  | 41.489  | ng    | 99       |
| 75) Fluoranthene              | 19.345 | 202  | 2128144  | 41.251  | ng    | 98       |
| 77) Benzidine                 | 19.527 | 184  | 129876   | 8.162   | ng    | 97       |
| 78) Pyrene                    | 19.709 | 202  | 2207031  | 39.327  | ng    | 97       |
| 80) Butylbenzylphthalate      | 20.603 | 149  | 745775   | 45.242  | ng    | 99       |
| 81) Benzo(a)anthracene        | 21.519 | 228  | 2373752  | 42.629  | ng    | 97       |
| 82) 3,3'-Dichlorobenzidine    | 21.443 | 252  | 615150   | 33.911  | ng    | 99       |
| 83) Chrysene                  | 21.584 | 228  | 2254404  | 42.267  | ng    | 97       |
| 84) Bis(2-ethylhexyl)phtha... | 21.437 | 149  | 1076570  | 42.989  | ng    | 97       |
| 85) Di-n-octyl phthalate      | 22.600 | 149  | 1868043  | 42.603  | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 28.094 | 276  | 2914351  | 51.965  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 23.646 | 252  | 2411727  | 49.923  | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 23.711 | 252  | 2410699  | 51.013  | ng    | 99       |
| 90) Benzo(a)pyrene            | 24.469 | 252  | 2215306  | 51.907  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 28.147 | 278  | 2426554  | 52.523  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 29.181 | 276  | 2286474  | 49.080  | ng    | 98       |

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

