

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG042924\  
 Data File : BG061046.D  
 Acq On : 29 Apr 2024 12:22  
 Operator : MA/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

## Instrument :

BNA\_G

## ClientSampleId :

SSTDCCC040

## Manual Integrations

## APPROVED

Reviewed By :Jagrut Upadhyay 04/30/2024  
 Supervised By :mohammad ahmed 05/03/2024

Quant Time: Apr 29 19:33:17 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG042024.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Apr 22 04:22:00 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.946  | 152  | 24162    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.737 | 136  | 97690    | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.574 | 164  | 82142    | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.317 | 188  | 211437   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.577 | 240  | 206680   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 24.697 | 264  | 249729   | 20.000 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.531  | 112  | 84354    | 70.618 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.118  | 99   | 133733   | 75.456 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.098  | 82   | 156326   | 71.897 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.060 | 330  | 135684   | 75.222 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.193 | 172  | 481329   | 81.099 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.938 | 244  | 1043774  | 78.391 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.451  | 88   | 13606    | 32.912 | ng    | # 91     |
| 3) Pyridine                   | 3.839  | 79   | 43236    | 33.834 | ng    | 95       |
| 4) n-Nitrosodimethylamine     | 3.751  | 42   | 40658    | 35.376 | ng    | 89       |
| 6) Aniline                    | 7.270  | 93   | 68468    | 32.143 | ng    | 97       |
| 8) 2-Chlorophenol             | 7.511  | 128  | 55117    | 37.032 | ng    | 93       |
| 9) Benzaldehyde               | 7.082  | 77   | 35038m   | 38.434 | ng    |          |
| 10) Phenol                    | 7.141  | 94   | 66225    | 37.610 | ng    | 96       |
| 11) bis(2-Chloroethyl)ether   | 7.364  | 93   | 47453    | 37.667 | ng    | 96       |
| 12) 1,3-Dichlorobenzene       | 7.834  | 146  | 62998    | 38.169 | ng    | 96       |
| 13) 1,4-Dichlorobenzene       | 7.975  | 146  | 64580    | 37.986 | ng    | 95       |
| 14) 1,2-Dichlorobenzene       | 8.299  | 146  | 63404    | 38.161 | ng    | 95       |
| 15) Benzyl Alcohol            | 8.181  | 79   | 63485    | 37.938 | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.469  | 45   | 103146   | 37.611 | ng    | 95       |
| 17) 2-Methylphenol            | 8.387  | 107  | 52798    | 37.135 | ng    | 97       |
| 18) Hexachloroethane          | 9.027  | 117  | 22281    | 36.371 | ng    | 88       |
| 19) n-Nitroso-di-n-propyla... | 8.745  | 70   | 48451    | 36.682 | ng    | 95       |
| 20) 3+4-Methylphenols         | 8.716  | 107  | 73217    | 36.821 | ng    | 96       |
| 22) Acetophenone              | 8.763  | 105  | 97870    | 35.878 | ng    | 96       |
| 24) Nitrobenzene              | 9.139  | 77   | 74081    | 35.457 | ng    | # 97     |
| 25) Isophorone                | 9.668  | 82   | 132729   | 36.476 | ng    | # 96     |
| 26) 2-Nitrophenol             | 9.850  | 139  | 37350    | 38.036 | ng    | 94       |
| 27) 2,4-Dimethylphenol        | 9.914  | 122  | 57403    | 36.471 | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 10.149 | 93   | 70872    | 37.025 | ng    | 95       |
| 29) 2,4-Dichlorophenol        | 10.390 | 162  | 69745    | 38.394 | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 10.602 | 180  | 77991    | 38.912 | ng    | 92       |
| 31) Naphthalene               | 10.790 | 128  | 199114   | 37.229 | ng    | 98       |
| 32) Benzoic acid              | 10.073 | 122  | 49738    | 41.475 | ng    | 89       |
| 33) 4-Chloroaniline           | 10.901 | 127  | 76159    | 31.347 | ng    | 97       |
| 34) Hexachlorobutadiene       | 11.078 | 225  | 67777    | 38.452 | ng    | 98       |
| 35) Caprolactam               | 11.689 | 113  | 22223    | 38.408 | ng    | # 83     |
| 36) 4-Chloro-3-methylphenol   | 12.030 | 107  | 77513    | 36.586 | ng    | 96       |
| 37) 2-Methylnaphthalene       | 12.394 | 142  | 158504   | 37.693 | ng    | 98       |
| 38) 1-Methylnaphthalene       | 12.611 | 142  | 147294   | 37.536 | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.764 | 216  | 120065   | 41.131 | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 12.746 | 237  | 71771    | 41.785 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 13.005 | 196  | 76052    | 39.633 | ng    | 97       |

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QLast Update : Mon Apr 22 04:22:00 2024

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.081 | 196  | 90839    | 40.020 | ng    | 96       |
| 46) 1,1'-Biphenyl             | 13.404 | 154  | 220428   | 39.839 | ng    | 96       |
| 47) 2-Chloronaphthalene       | 13.446 | 162  | 170211   | 40.122 | ng    | 95       |
| 48) 2-Nitroaniline            | 13.645 | 65   | 67758    | 39.575 | ng    | 90       |
| 49) Acenaphthylene            | 14.292 | 152  | 279312   | 39.093 | ng    | 98       |
| 50) Dimethylphthalate         | 14.033 | 163  | 256697   | 37.897 | ng    | 98       |
| 51) 2,6-Dinitrotoluene        | 14.145 | 165  | 52864    | 37.404 | ng    | 96       |
| 52) Acenaphthene              | 14.638 | 154  | 166135   | 38.268 | ng    | 96       |
| 53) 3-Nitroaniline            | 14.480 | 138  | 40594    | 29.129 | ng    | 93       |
| 54) 2,4-Dinitrophenol         | 14.685 | 184  | 34063    | 39.985 | ng    | 97       |
| 55) Dibenzofuran              | 14.973 | 168  | 285692   | 38.109 | ng    | 98       |
| 56) 4-Nitrophenol             | 14.797 | 139  | 41752    | 41.818 | ng    | 99       |
| 57) 2,4-Dinitrotoluene        | 14.938 | 165  | 79434    | 39.024 | ng    | 96       |
| 58) Fluorene                  | 15.619 | 166  | 242663   | 38.350 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.202 | 232  | 84093    | 36.707 | ng    | 99       |
| 60) Diethylphthalate          | 15.396 | 149  | 252998   | 37.927 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 15.614 | 204  | 146460   | 37.530 | ng    | 97       |
| 62) 4-Nitroaniline            | 15.637 | 138  | 45572    | 30.327 | ng    | 96       |
| 63) Azobenzene                | 15.907 | 77   | 204450   | 37.682 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 15.702 | 198  | 52252    | 40.023 | ng    | 95       |
| 66) n-Nitrosodiphenylamine    | 15.831 | 169  | 222803   | 38.248 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.507 | 248  | 108996   | 39.060 | ng    | 100      |
| 68) Hexachlorobenzene         | 16.630 | 284  | 117318   | 38.063 | ng    | 98       |
| 69) Atrazine                  | 16.783 | 200  | 80287    | 36.826 | ng    | 98       |
| 70) Pentachlorophenol         | 16.971 | 266  | 65856    | 32.584 | ng    | 98       |
| 71) Phenanthrene              | 17.359 | 178  | 406505   | 37.666 | ng    | 100      |
| 72) Anthracene                | 17.453 | 178  | 419941   | 37.781 | ng    | 99       |
| 73) Carbazole                 | 17.723 | 167  | 345046   | 37.378 | ng    | 98       |
| 74) Di-n-butylphthalate       | 18.287 | 149  | 428724   | 38.253 | ng    | 100      |
| 75) Fluoranthene              | 19.374 | 202  | 538224   | 37.578 | ng    | 97       |
| 77) Benzidine                 | 19.603 | 184  | 13049m   | 3.407  | ng    |          |
| 78) Pyrene                    | 19.732 | 202  | 548919   | 39.006 | ng    | 98       |
| 80) Butylbenzylphthalate      | 20.631 | 149  | 181698   | 38.737 | ng    | 99       |
| 81) Benzo(a)anthracene        | 21.560 | 228  | 559673   | 38.516 | ng    | 97       |
| 82) 3,3'-Dichlorobenzidine    | 21.471 | 252  | 165428   | 31.502 | ng    | # 99     |
| 83) Chrysene                  | 21.624 | 228  | 527109   | 38.101 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 21.483 | 149  | 255266   | 37.432 | ng    | # 98     |
| 85) Di-n-octyl phthalate      | 22.664 | 149  | 427945   | 37.798 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 28.258 | 276  | 682211   | 39.380 | ng    | # 99     |
| 88) Benzo(b)fluoranthene      | 23.716 | 252  | 535441   | 37.835 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 23.786 | 252  | 544597   | 38.120 | ng    | 99       |
| 90) Benzo(a)pyrene            | 24.562 | 252  | 519366   | 37.915 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 28.316 | 278  | 574450   | 40.586 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 29.368 | 276  | 555502   | 39.583 | ng    | 99       |

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

