

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG062722\  
 Data File : BG054098.D  
 Acq On : 27 Jun 2022 19:08  
 Operator : CG/JU  
 Sample : N3494-02MS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

## Instrument :

BNA\_G

## ClientSampleId :

SP-EXC-3MS

## Manual Integrations

## APPROVED

Reviewed By : Christian Giraldo 06/28/2022  
 Supervised By : Jagrut Upadhyay 06/28/2022

Quant Time: Jun 28 04:56:59 2022

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG061322.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Jun 27 00:27:54 2022

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.071  | 152  | 23708    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.879 | 136  | 98703    | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.698 | 164  | 75768    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.442 | 188  | 202831   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.719 | 240  | 212459   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.974 | 264  | 222412   | 20.000  | ng    | 0.01     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.644  | 112  | 192878   | 155.545 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.236  | 99   | 241010   | 143.273 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.234  | 82   | 172613   | 98.277  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.185 | 330  | 170665   | 140.194 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.323 | 172  | 449303   | 86.230  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.051 | 244  | 1060680  | 100.551 | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.535  | 88   | 24596    | 45.375  | ng    | # 65     |
| 3) Pyridine                   | 3.934  | 79   | 58029    | 40.117  | ng    | 92       |
| 4) n-Nitrosodimethylamine     | 3.840  | 42   | 37763    | 59.351  | ng    | # 94     |
| 6) Aniline                    | 7.395  | 93   | 81711    | 40.970  | ng    | 98       |
| 8) 2-Chlorophenol             | 7.642  | 128  | 78636    | 59.392  | ng    | 92       |
| 9) Benzaldehyde               | 7.207  | 77   | 51432    | 51.805  | ng    | 79       |
| 10) Phenol                    | 7.260  | 94   | 92912    | 54.500  | ng    | 94       |
| 11) bis(2-Chloroethyl)ether   | 7.483  | 93   | 72363    | 55.302  | ng    | 96       |
| 12) 1,3-Dichlorobenzene       | 7.965  | 146  | 81723    | 49.259  | ng    | 90       |
| 13) 1,4-Dichlorobenzene       | 8.106  | 146  | 83264    | 49.962  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.429  | 146  | 81943    | 51.220  | ng    | 99       |
| 15) Benzyl Alcohol            | 8.306  | 79   | 76868    | 61.139  | ng    | 95       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.599  | 45   | 117651   | 60.146  | ng    | 99       |
| 17) 2-Methylphenol            | 8.517  | 107  | 68807    | 58.100  | ng    | 91       |
| 18) Hexachloroethane          | 9.158  | 117  | 28174    | 50.961  | ng    | # 84     |
| 19) n-Nitroso-di-n-propyla... | 8.876  | 70   | 62709    | 55.488  | ng    | 93       |
| 20) 3+4-Methylphenols         | 8.840  | 107  | 95203    | 57.322  | ng    | 95       |
| 22) Acetophenone              | 8.893  | 105  | 125103   | 52.143  | ng    | # 98     |
| 24) Nitrobenzene              | 9.275  | 77   | 90932    | 52.574  | ng    | # 89     |
| 25) Isophorone                | 9.798  | 82   | 180226   | 54.942  | ng    | 96       |
| 26) 2-Nitrophenol             | 9.986  | 139  | 44859    | 58.721  | ng    | # 84     |
| 27) 2,4-Dimethylphenol        | 10.045 | 122  | 77414    | 62.608  | ng    | 90       |
| 28) bis(2-Chloroethoxy)met... | 10.280 | 93   | 101899   | 57.663  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 10.527 | 162  | 89203    | 53.807  | ng    | 94       |
| 30) 1,2,4-Trichlorobenzene    | 10.744 | 180  | 92783    | 45.199  | ng    | 98       |
| 31) Naphthalene               | 10.932 | 128  | 239676   | 48.101  | ng    | 99       |
| 32) Benzoic acid              | 10.186 | 122  | 12157m   | 28.547  | ng    |          |
| 33) 4-Chloroaniline           | 11.038 | 127  | 28315    | 13.698  | ng    | 93       |
| 34) Hexachlorobutadiene       | 11.220 | 225  | 65190    | 41.306  | ng    | 99       |
| 35) Caprolactam               | 11.801 | 113  | 27697m   | 60.687  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.154 | 107  | 91797    | 56.960  | ng    | 87       |
| 37) 2-Methylnaphthalene       | 12.530 | 142  | 179379   | 48.657  | ng    | 97       |
| 38) 1-Methylnaphthalene       | 12.747 | 142  | 173934   | 48.455  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.900 | 216  | 125049   | 42.832  | ng    | 97       |
| 41) Hexachlorocyclopentadiene | 12.883 | 237  | 135582   | 99.733  | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 13.135 | 196  | 83025    | 50.626  | ng    | 98       |

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|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.212 | 196  | 92709    | 50.629  | ng    | 95       |
| 46) 1,1'-Biphenyl             | 13.535 | 154  | 260406   | 49.341  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.576 | 162  | 204942   | 47.982  | ng    | 98       |
| 48) 2-Nitroaniline            | 13.770 | 65   | 67442    | 59.358  | ng    | 88       |
| 49) Acenaphthylene            | 14.422 | 152  | 334391   | 50.348  | ng    | 100      |
| 50) Dimethylphthalate         | 14.146 | 163  | 294023   | 50.954  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.263 | 165  | 66180    | 56.765  | ng    | # 80     |
| 52) Acenaphthene              | 14.763 | 154  | 217363   | 51.343  | ng    | 98       |
| 53) 3-Nitroaniline            | 14.592 | 138  | 42233    | 37.391  | ng    | 84       |
| 54) 2,4-Dinitrophenol         | 14.804 | 184  | 29811    | 49.307  | ng    | # 81     |
| 55) Dibenzofuran              | 15.098 | 168  | 337818   | 49.526  | ng    | 96       |
| 56) 4-Nitrophenol             | 14.910 | 139  | 99151    | 123.645 | ng    | # 86     |
| 57) 2,4-Dinitrotoluene        | 15.051 | 165  | 95173    | 57.802  | ng    | 88       |
| 58) Fluorene                  | 15.744 | 166  | 284801   | 50.853  | ng    | 93       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.321 | 232  | 90341    | 50.449  | ng    | # 95     |
| 60) Diethylphthalate          | 15.509 | 149  | 295532   | 52.885  | ng    | 97       |
| 61) 4-Chlorophenyl-phenyle... | 15.732 | 204  | 162026   | 48.325  | ng    | 93       |
| 62) 4-Nitroaniline            | 15.756 | 138  | 66652    | 56.585  | ng    | # 77     |
| 63) Azobenzene                | 16.026 | 77   | 246890   | 54.887  | ng    | 91       |
| 65) 4,6-Dinitro-2-methylph... | 15.820 | 198  | 36683    | 36.251  | ng    | 88       |
| 66) n-Nitrosodiphenylamine    | 15.944 | 169  | 261317   | 49.434  | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 16.625 | 248  | 115672   | 45.661  | ng    | 97       |
| 68) Hexachlorobenzene         | 16.755 | 284  | 128214   | 44.246  | ng    | 95       |
| 69) Atrazine                  | 16.890 | 200  | 122706   | 56.035  | ng    | 96       |
| 70) Pentachlorophenol         | 17.095 | 266  | 128881   | 95.746  | ng    | 97       |
| 71) Phenanthrene              | 17.483 | 178  | 509577   | 48.900  | ng    | 97       |
| 72) Anthracene                | 17.577 | 178  | 519640   | 51.064  | ng    | 100      |
| 73) Carbazole                 | 17.841 | 167  | 477278   | 54.642  | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.400 | 149  | 551936   | 54.652  | ng    | # 98     |
| 75) Fluoranthene              | 19.492 | 202  | 668150   | 48.842  | ng    | 97       |
| 77) Benzidine                 | 19.663 | 184  | 172473   | 39.200  | ng    | 98       |
| 78) Pyrene                    | 19.851 | 202  | 672640   | 52.419  | ng    | 97       |
| 80) Butylbenzylphthalate      | 20.732 | 149  | 242277   | 58.905  | ng    | 94       |
| 81) Benzo(a)anthracene        | 21.696 | 228  | 680038   | 49.434  | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 21.608 | 252  | 151843   | 36.945  | ng    | 99       |
| 83) Chrysene                  | 21.766 | 228  | 630131   | 48.055  | ng    | 96       |
| 84) Bis(2-ethylhexyl)phtha... | 21.602 | 149  | 343760   | 58.438  | ng    | 95       |
| 85) Di-n-octyl phthalate      | 22.824 | 149  | 588401   | 58.196  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 28.705 | 276  | 784459   | 46.738  | ng    | # 98     |
| 88) Benzo(b)fluoranthene      | 23.940 | 252  | 707919   | 52.348  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 24.011 | 252  | 664829   | 49.654  | ng    | 99       |
| 90) Benzo(a)pyrene            | 24.822 | 252  | 620773   | 54.406  | ng    | # 99     |
| 91) Dibenzo(a,h)anthracene    | 28.770 | 278  | 679687   | 48.971  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 29.880 | 276  | 672342   | 49.087  | ng    | 96       |

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

