

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG061323\  
 Data File : BG057693.D  
 Acq On : 13 Jun 2023 17:54  
 Operator : CG/JU  
 Sample : SSTDICC020  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

## Instrument :

BNA\_G

## ClientSampleId :

SSTDICC020

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 06/14/2023

Supervised By :mohammad ahmed 06/16/2023

Quant Time: Jun 14 03:05:31 2023

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG061323.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jun 14 03:04:27 2023

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.941  | 152  | 24791    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.744 | 136  | 110883   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.574 | 164  | 81174    | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.312 | 188  | 202619   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.572 | 240  | 175328   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 24.733 | 264  | 213149   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.508  | 112  | 64584    | 42.419 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.089  | 99   | 99876    | 42.701 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.098  | 82   | 53414    | 39.317 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.055 | 330  | 33210    | 36.671 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.199 | 172  | 232696   | 42.730 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.933 | 244  | 411971   | 43.443 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.423  | 88   | 16858    | 21.749 | ng    | 92       |
| 3) Pyridine                   | 3.811  | 79   | 46799    | 21.320 | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.734  | 42   | 22296    | 20.834 | ng    | 98       |
| 6) Aniline                    | 7.259  | 93   | 66123    | 21.547 | ng    | 97       |
| 8) 2-Chlorophenol             | 7.500  | 128  | 31028    | 21.256 | ng    | 99       |
| 9) Benzaldehyde               | 7.077  | 77   | 33127    | 22.978 | ng    | 96       |
| 10) Phenol                    | 7.118  | 94   | 49557    | 21.683 | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 7.359  | 93   | 38511    | 21.498 | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 7.829  | 146  | 35844    | 21.227 | ng    | 95       |
| 13) 1,4-Dichlorobenzene       | 7.976  | 146  | 36607    | 21.865 | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 8.293  | 146  | 35310    | 21.707 | ng    | 97       |
| 15) Benzyl Alcohol            | 8.176  | 79   | 37634    | 21.009 | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.476  | 45   | 83677    | 21.453 | ng    | 96       |
| 17) 2-Methylphenol            | 8.376  | 107  | 36393    | 21.639 | ng    | 96       |
| 18) Hexachloroethane          | 9.028  | 117  | 10793    | 20.861 | ng    | 94       |
| 19) n-Nitroso-di-n-propyla... | 8.746  | 70   | 36836    | 21.781 | ng    | # 96     |
| 20) 3+4-Methylphenols         | 8.699  | 107  | 48469    | 21.077 | ng    | 97       |
| 22) Acetophenone              | 8.764  | 105  | 67855    | 21.065 | ng    | # 98     |
| 24) Nitrobenzene              | 9.140  | 77   | 31080    | 18.980 | ng    | 92       |
| 25) Isophorone                | 9.662  | 82   | 109390   | 21.284 | ng    | 99       |
| 26) 2-Nitrophenol             | 9.856  | 139  | 6024     | 21.840 | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 9.909  | 122  | 34561    | 20.139 | ng    | 95       |
| 28) bis(2-Chloroethoxy)met... | 10.150 | 93   | 55169    | 20.649 | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 10.385 | 162  | 29292    | 20.121 | ng    | 96       |
| 30) 1,2,4-Trichlorobenzene    | 10.608 | 180  | 39558    | 20.906 | ng    | 98       |
| 31) Naphthalene               | 10.796 | 128  | 125139   | 20.999 | ng    | 100      |
| 32) Benzoic acid              | 9.991  | 122  | 11245    | 16.768 | ng    | 93       |
| 33) 4-Chloroaniline           | 10.896 | 127  | 59063    | 21.288 | ng    | 99       |
| 34) Hexachlorobutadiene       | 11.084 | 225  | 24620    | 20.691 | ng    | 94       |
| 35) Caprolactam               | 11.654 | 113  | 12160    | 20.248 | ng    | # 90     |
| 36) 4-Chloro-3-methylphenol   | 12.013 | 107  | 43282    | 20.986 | ng    | 97       |
| 37) 2-Methylnaphthalene       | 12.400 | 142  | 91984    | 20.864 | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.618 | 142  | 87623    | 21.185 | ng    | 97       |
| 40) 1,2,4,5-Tetrachloroben... | 12.765 | 216  | 48083    | 20.925 | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 12.747 | 237  | 16715    | 19.072 | ng    | 88       |
| 43) 2,4,6-Trichlorophenol     | 13.006 | 196  | 26013    | 19.610 | ng    | 96       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.070 | 196  | 30922    | 19.687 | ng    | 99       |
| 46) 1,1'-Biphenyl             | 13.411 | 154  | 117205   | 20.898 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 13.446 | 162  | 88806    | 20.950 | ng    | 96       |
| 48) 2-Nitroaniline            | 13.652 | 65   | 14713    | 18.972 | ng    | 95       |
| 49) Acenaphthylene            | 14.298 | 152  | 156220   | 21.251 | ng    | 98       |
| 50) Dimethylphthalate         | 14.028 | 163  | 128780   | 21.637 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.145 | 165  | 11879    | 19.231 | ng    | 97       |
| 52) Acenaphthene              | 14.639 | 154  | 91924    | 20.861 | ng    | 99       |
| 53) 3-Nitroaniline            | 14.469 | 138  | 15266    | 19.504 | ng    | 94       |
| 54) 2,4-Dinitrophenol         | 14.668 | 184  | 4500     | 21.805 | ng    | 93       |
| 55) Dibenzofuran              | 14.968 | 168  | 159605   | 21.578 | ng    | 100      |
| 56) 4-Nitrophenol             | 14.762 | 139  | 12683    | 20.411 | ng    | 92       |
| 57) 2,4-Dinitrotoluene        | 14.927 | 165  | 15959    | 19.570 | ng    | 99       |
| 58) Fluorene                  | 15.620 | 166  | 128625   | 21.830 | ng    | 95       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.191 | 232  | 26911m   | 20.355 | ng    |          |
| 60) Diethylphthalate          | 15.391 | 149  | 132795   | 21.614 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 15.614 | 204  | 66995    | 21.223 | ng    | 99       |
| 62) 4-Nitroaniline            | 15.632 | 138  | 19373    | 20.070 | ng    | 99       |
| 63) Azobenzene                | 15.902 | 77   | 141524   | 21.423 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 15.685 | 198  | 6497     | 20.692 | ng    | 92       |
| 66) n-Nitrosodiphenylamine    | 15.826 | 169  | 110512   | 20.864 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.507 | 248  | 42935    | 20.810 | ng    | 99       |
| 68) Hexachlorobenzene         | 16.619 | 284  | 45428    | 21.069 | ng    | 99       |
| 69) Atrazine                  | 16.772 | 200  | 37569    | 21.319 | ng    | 95       |
| 70) Pentachlorophenol         | 16.960 | 266  | 23306    | 18.005 | ng    | 98       |
| 71) Phenanthrene              | 17.359 | 178  | 210203   | 21.260 | ng    | 98       |
| 72) Anthracene                | 17.447 | 178  | 213629   | 21.328 | ng    | 100      |
| 73) Carbazole                 | 17.718 | 167  | 198492   | 21.398 | ng    | 98       |
| 74) Di-n-butylphthalate       | 18.288 | 149  | 219528   | 21.351 | ng    | 100      |
| 75) Fluoranthene              | 19.369 | 202  | 257386   | 21.609 | ng    | 98       |
| 77) Benzidine                 | 19.551 | 184  | 82791    | 19.808 | ng    | 98       |
| 78) Pyrene                    | 19.727 | 202  | 267615   | 21.453 | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.626 | 149  | 75094    | 19.231 | ng    | 99       |
| 81) Benzo(a)anthracene        | 21.554 | 228  | 254305   | 21.003 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 21.472 | 252  | 85659    | 21.719 | ng    | 99       |
| 83) Chrysene                  | 21.619 | 228  | 242461   | 21.041 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.478 | 149  | 126026   | 20.506 | ng    | 98       |
| 85) Di-n-octyl phthalate      | 22.677 | 149  | 191595   | 18.079 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 28.335 | 276  | 283747   | 20.574 | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 23.728 | 252  | 242604   | 20.981 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 23.793 | 252  | 248510   | 20.722 | ng    | 97       |
| 90) Benzo(a)pyrene            | 24.580 | 252  | 236220   | 20.777 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 28.399 | 278  | 237512   | 20.840 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 29.451 | 276  | 233474   | 20.525 | ng    | 98       |

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

