

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG112723\  
 Data File : BG059897.D  
 Acq On : 27 Nov 2023 11:27  
 Operator : MA/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

## Instrument :

BNA\_G

## ClientSampleId :

SSTDCCC040

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 11/28/2023

Supervised By :mohammad ahmed 11/28/2023

Quant Time: Nov 27 13:18:08 2023

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG111623.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Nov 27 13:17:45 2023

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.311  | 152  | 29901    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.155 | 136  | 129983   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.944 | 164  | 91891    | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.694 | 188  | 205874   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 22.018 | 240  | 160897   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12              | 25.579 | 264  | 176886   | 20.000 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.796  | 112  | 154200   | 86.800 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.430  | 99   | 221261   | 84.046 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.510  | 82   | 300040   | 88.159 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.431 | 330  | 97158    | 93.187 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.564 | 172  | 608324   | 89.109 | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.268 | 244  | 1075061  | 98.638 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.628  | 88   | 27798    | 33.315 | ng    | 95       |
| 3) Pyridine                   | 4.045  | 79   | 85150    | 37.363 | ng    | # 93     |
| 4) n-Nitrosodimethylamine     | 3.969  | 42   | 43455    | 35.842 | ng    | 82       |
| 6) Aniline                    | 7.629  | 93   | 145464   | 41.869 | ng    | # 83     |
| 8) 2-Chlorophenol             | 7.853  | 128  | 77868    | 40.404 | ng    | 92       |
| 9) Benzaldehyde               | 7.447  | 77   | 70515    | 39.626 | ng    | 90       |
| 10) Phenol                    | 7.459  | 94   | 114112   | 42.057 | ng    | 95       |
| 11) bis(2-Chloroethyl)ether   | 7.723  | 93   | 63849    | 37.802 | ng    | 95       |
| 12) 1,3-Dichlorobenzene       | 8.188  | 146  | 94803    | 44.285 | ng    | 90       |
| 13) 1,4-Dichlorobenzene       | 8.346  | 146  | 92282    | 42.927 | ng    | 94       |
| 14) 1,2-Dichlorobenzene       | 8.664  | 146  | 90021    | 42.149 | ng    | 95       |
| 15) Benzyl Alcohol            | 8.546  | 79   | 116712   | 38.877 | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.828  | 45   | 23773    | 38.256 | ng    | # 71     |
| 17) 2-Methylphenol            | 8.740  | 107  | 83508    | 41.786 | ng    | # 78     |
| 18) Hexachloroethane          | 9.392  | 117  | 38163    | 41.826 | ng    | 93       |
| 19) n-Nitroso-di-n-propyla... | 9.110  | 70   | 83347    | 40.203 | ng    | # 91     |
| 20) 3+4-Methylphenols         | 9.063  | 107  | 109942   | 39.627 | ng    | 92       |
| 22) Acetophenone              | 9.151  | 105  | 159758   | 43.413 | ng    | 97       |
| 24) Nitrobenzene              | 9.551  | 77   | 136689   | 43.608 | ng    | 99       |
| 25) Isophorone                | 10.056 | 82   | 356933   | 62.470 | ng    | 98       |
| 26) 2-Nitrophenol             | 10.256 | 139  | 80724    | 70.245 | ng    | # 78     |
| 27) 2,4-Dimethylphenol        | 10.285 | 122  | 145091   | 62.097 | ng    | 93       |
| 28) bis(2-Chloroethoxy)met... | 10.538 | 93   | 80722    | 37.595 | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 10.785 | 162  | 85247    | 42.733 | ng    | 95       |
| 30) 1,2,4-Trichlorobenzene    | 11.002 | 180  | 90562    | 44.919 | ng    | 96       |
| 31) Naphthalene               | 11.208 | 128  | 284276   | 43.493 | ng    | # 94     |
| 32) Benzoic acid              | 10.403 | 122  | 99932m   | 62.845 | ng    |          |
| 33) 4-Chloroaniline           | 11.325 | 127  | 107366   | 38.620 | ng    | 99       |
| 34) Hexachlorobutadiene       | 11.437 | 225  | 60391    | 44.013 | ng    | 97       |
| 35) Caprolactam               | 12.112 | 113  | 29002    | 39.779 | ng    | 90       |
| 36) 4-Chloro-3-methylphenol   | 12.400 | 107  | 108419   | 40.866 | ng    | 93       |
| 37) 2-Methylnaphthalene       | 12.788 | 142  | 242703   | 44.088 | ng    | 96       |
| 38) 1-Methylnaphthalene       | 13.006 | 142  | 223691   | 44.063 | ng    | 94       |
| 40) 1,2,4,5-Tetrachloroben... | 13.135 | 216  | 110762   | 44.632 | ng    | 96       |
| 41) Hexachlorocyclopentadiene | 13.082 | 237  | 68179    | 43.798 | ng    | 96       |
| 43) 2,4,6-Trichlorophenol     | 13.376 | 196  | 77634    | 44.986 | ng    | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.446 | 196  | 86612    | 42.714 | ng    | # 83     |
| 46) 1,1'-Biphenyl             | 13.781 | 154  | 322718   | 44.743 | ng    | 97       |
| 47) 2-Chloronaphthalene       | 13.834 | 162  | 218807   | 44.150 | ng    | 96       |
| 48) 2-Nitroaniline            | 14.051 | 65   | 81336    | 45.967 | ng    | # 89     |
| 49) Acenaphthylene            | 14.674 | 152  | 383315   | 45.360 | ng    | 99       |
| 50) Dimethylphthalate         | 14.386 | 163  | 321149   | 45.099 | ng    | 98       |
| 51) 2,6-Dinitrotoluene        | 14.527 | 165  | 58245    | 43.115 | ng    | 90       |
| 52) Acenaphthene              | 15.009 | 154  | 227052   | 44.677 | ng    | 94       |
| 53) 3-Nitroaniline            | 14.868 | 138  | 69468    | 43.932 | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 15.068 | 184  | 58065    | 57.842 | ng    | 95       |
| 55) Dibenzofuran              | 15.338 | 168  | 374439   | 44.687 | ng    | # 87     |
| 56) 4-Nitrophenol             | 15.144 | 139  | 49906    | 41.252 | ng    | 95       |
| 57) 2,4-Dinitrotoluene        | 15.309 | 165  | 94200    | 45.343 | ng    | # 97     |
| 58) Fluorene                  | 15.990 | 166  | 313873   | 45.088 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.550 | 232  | 76658    | 43.007 | ng    | 98       |
| 60) Diethylphthalate          | 15.726 | 149  | 349684   | 45.786 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 15.967 | 204  | 161236   | 44.999 | ng    | 91       |
| 62) 4-Nitroaniline            | 16.031 | 138  | 66319    | 41.848 | ng    | # 87     |
| 63) Azobenzene                | 16.261 | 77   | 352219   | 41.500 | ng    | 95       |
| 65) 4,6-Dinitro-2-methylph... | 16.055 | 198  | 59367    | 47.186 | ng    | 93       |
| 66) n-Nitrosodiphenylamine    | 16.190 | 169  | 282473   | 46.969 | ng    | 96       |
| 67) 4-Bromophenyl-phenylether | 16.866 | 248  | 102440   | 46.317 | ng    | 96       |
| 68) Hexachlorobenzene         | 16.966 | 284  | 97254    | 47.113 | ng    | 89       |
| 69) Atrazine                  | 17.118 | 200  | 83558    | 43.335 | ng    | 100      |
| 70) Pentachlorophenol         | 17.318 | 266  | 69279    | 43.990 | ng    | 90       |
| 71) Phenanthrene              | 17.735 | 178  | 486340   | 46.464 | ng    | 98       |
| 72) Anthracene                | 17.829 | 178  | 508050   | 46.715 | ng    | 96       |
| 73) Carbazole                 | 18.105 | 167  | 434235   | 45.704 | ng    | 98       |
| 74) Di-n-butylphthalate       | 18.605 | 149  | 538399   | 46.881 | ng    | 98       |
| 75) Fluoranthene              | 19.727 | 202  | 547506   | 43.617 | ng    | 98       |
| 77) Benzidine                 | 19.915 | 184  | 146915   | 40.268 | ng    | # 97     |
| 78) Pyrene                    | 20.097 | 202  | 540315   | 49.356 | ng    | 97       |
| 80) Butylbenzylphthalate      | 20.949 | 149  | 216542   | 48.239 | ng    | 97       |
| 81) Benzo(a)anthracene        | 21.995 | 228  | 498486   | 45.280 | ng    | 95       |
| 82) 3,3'-Dichlorobenzidine    | 21.907 | 252  | 183894   | 44.836 | ng    | 88       |
| 83) Chrysene                  | 22.065 | 228  | 457078   | 45.292 | ng    | 95       |
| 84) Bis(2-ethylhexyl)phtha... | 21.819 | 149  | 292425   | 46.601 | ng    | # 99     |
| 85) Di-n-octyl phthalate      | 23.141 | 149  | 465844   | 38.562 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 29.715 | 276  | 581924   | 43.478 | ng    | # 80     |
| 88) Benzo(b)fluoranthene      | 24.422 | 252  | 477077m  | 49.209 | ng    |          |
| 89) Benzo(k)fluoranthene      | 24.504 | 252  | 491922   | 51.323 | ng    | # 100    |
| 90) Benzo(a)pyrene            | 25.414 | 252  | 461209   | 44.575 | ng    | # 96     |
| 91) Dibenzo(a,h)anthracene    | 29.803 | 278  | 494373   | 43.658 | ng    | # 99     |
| 92) Benzo(g,h,i)perylene      | 31.037 | 276  | 463696   | 43.157 | ng    | # 98     |

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

