

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG111921\  
 Data File : BG051129.D  
 Acq On : 19 Nov 2021 19:16  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

## Instrument :

BNA\_G

## ClientSampleId :

SSTDCCC040

## Manual Integrations

## APPROVED

Reviewed By :Jagrut  
 Upadhyay

Quant Time: Nov 20 03:37:24 2021

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG111921.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Nov 19 16:26:22 2021

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |                                |
|-------------------------------|--------|------|----------|--------|-------|----------|--------------------------------|
| Internal Standards            |        |      |          |        |       |          | 11/22/2021                     |
| 1) 1,4-Dichlorobenzene-d4     | 8.205  | 152  | 24177    | 20.000 | ng    | 0.00     | Supervised By :Sohil<br>Adhani |
| 21) Naphthalene-d8            | 11.037 | 136  | 108520   | 20.000 | ng    | # 0.00   |                                |
| 39) Acenaphthene-d10          | 14.839 | 164  | 79057    | 20.000 | ng    | 0.00     |                                |
| 64) Phenanthrene-d10          | 17.583 | 188  | 184294   | 20.000 | ng    | # 0.00   |                                |
| 76) Chrysene-d12              | 21.884 | 240  | 168570   | 20.000 | ng    | # 0.00   |                                |
| 86) Perylene-d12              | 25.280 | 264  | 172688   | 20.000 | ng    | 0.00     | 11/30/2021                     |
| System Monitoring Compounds   |        |      |          |        |       |          |                                |
| 5) 2-Fluorophenol             | 5.744  | 112  | 121721   | 77.827 | ng    | 0.00     |                                |
| 7) Phenol-d6                  | 7.359  | 99   | 172658   | 78.380 | ng    | 0.00     |                                |
| 23) Nitrobenzene-d5           | 9.386  | 82   | 182504   | 76.770 | ng    | 0.00     |                                |
| 42) 2,4,6-Tribromophenol      | 16.325 | 330  | 67325    | 80.123 | ng    | 0.00     |                                |
| 45) 2-Fluorobiphenyl          | 13.458 | 172  | 398388   | 76.041 | ng    | 0.00     |                                |
| 79) Terphenyl-d14             | 20.174 | 244  | 712036   | 77.218 | ng    | 0.00     |                                |
| Target Compounds              |        |      |          |        |       |          | Qvalue                         |
| 2) 1,4-Dioxane                | 3.587  | 88   | 26038    | 39.703 | ng    |          | 94                             |
| 3) Pyridine                   | 4.004  | 79   | 76208    | 39.060 | ng    | #        | 88                             |
| 4) n-Nitrosodimethylamine     | 3.916  | 42   | 33112    | 39.473 | ng    | #        | 30                             |
| 6) Aniline                    | 7.530  | 93   | 103131   | 39.412 | ng    |          | 95                             |
| 8) 2-Chlorophenol             | 7.771  | 128  | 64580    | 39.343 | ng    |          | 95                             |
| 9) Benzaldehyde               | 7.342  | 77   | 57902m   | 36.331 | ng    |          |                                |
| 10) Phenol                    | 7.389  | 94   | 89347    | 39.511 | ng    | #        | 81                             |
| 11) bis(2-Chloroethyl)ether   | 7.618  | 93   | 67305    | 39.370 | ng    |          | 88                             |
| 12) 1,3-Dichlorobenzene       | 8.094  | 146  | 71002    | 40.432 | ng    |          | 93                             |
| 13) 1,4-Dichlorobenzene       | 8.241  | 146  | 71146    | 39.080 | ng    |          | 96                             |
| 14) 1,2-Dichlorobenzene       | 8.564  | 146  | 68802    | 39.841 | ng    |          | 96                             |
| 15) Benzyl Alcohol            | 8.446  | 79   | 70295    | 39.941 | ng    |          | 90                             |
| 16) 2,2'-oxybis(1-Chloropr... | 8.728  | 45   | 95996    | 38.844 | ng    |          | 88                             |
| 17) 2-Methylphenol            | 8.646  | 107  | 60696    | 39.759 | ng    | #        | 90                             |
| 18) Hexachloroethane          | 9.292  | 117  | 26450    | 38.880 | ng    |          | 93                             |
| 19) n-Nitroso-di-n-propyla... | 9.010  | 70   | 63602    | 39.116 | ng    |          | 87                             |
| 20) 3+4-Methylphenols         | 8.981  | 107  | 87001    | 39.989 | ng    |          | 93                             |
| 22) Acetophenone              | 9.040  | 105  | 110184   | 37.583 | ng    | #        | 93                             |
| 24) Nitrobenzene              | 9.428  | 77   | 88959    | 38.585 | ng    |          | 92                             |
| 25) Isophorone                | 9.945  | 82   | 163109   | 38.111 | ng    | #        | 94                             |
| 26) 2-Nitrophenol             | 10.144 | 139  | 41222    | 39.497 | ng    | #        | 83                             |
| 27) 2,4-Dimethylphenol        | 10.191 | 122  | 59463    | 38.599 | ng    |          | 94                             |
| 28) bis(2-Chloroethoxy)met... | 10.420 | 93   | 97002    | 38.061 | ng    |          | 95                             |
| 29) 2,4-Dichlorophenol        | 10.679 | 162  | 68593    | 39.452 | ng    |          | 97                             |
| 30) 1,2,4-Trichlorobenzene    | 10.890 | 180  | 76466    | 39.154 | ng    |          | 95                             |
| 31) Naphthalene               | 11.084 | 128  | 219999   | 38.418 | ng    |          | 98                             |
| 32) Benzoic acid              | 10.338 | 122  | 37933    | 36.167 | ng    |          | 81                             |
| 33) 4-Chloroaniline           | 11.196 | 127  | 95930    | 38.982 | ng    |          | 95                             |
| 34) Hexachlorobutadiene       | 11.349 | 225  | 46780    | 38.796 | ng    |          | 95                             |
| 35) Caprolactam               | 11.966 | 113  | 17991    | 38.746 | ng    | #        | 76                             |
| 36) 4-Chloro-3-methylphenol   | 12.301 | 107  | 83466    | 38.881 | ng    |          | 93                             |
| 37) 2-Methylnaphthalene       | 12.677 | 142  | 158550   | 39.081 | ng    |          | 94                             |
| 38) 1-Methylnaphthalene       | 12.894 | 142  | 153797   | 38.830 | ng    |          | 92                             |
| 40) 1,2,4,5-Tetrachloroben... | 13.041 | 216  | 93721    | 39.007 | ng    |          | 98                             |
| 41) Hexachlorocyclopentadiene | 13.006 | 237  | 31730    | 51.754 | ng    |          | 92                             |
| 43) 2,4,6-Trichlorophenol     | 13.276 | 196  | 65298    | 39.417 | ng    |          | 94                             |

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|-------------------------------|--------|------|----------|--------|-------|----------|------------------------------|
| 44) 2,4,5-Trichlorophenol     | 13.358 | 196  | 69722    | 38.939 | ng    | 92       | 11/22/2021                   |
| 46) 1,1'-Biphenyl             | 13.670 | 154  | 216157   | 38.037 | ng    | 97       | Supervised By :Sohil Jodhani |
| 47) 2-Chloronaphthalene       | 13.722 | 162  | 173314   | 38.522 | ng    | 98       |                              |
| 48) 2-Nitroaniline            | 13.928 | 65   | 62455    | 38.407 | ng    | 87       |                              |
| 49) Acenaphthylene            | 14.563 | 152  | 277162   | 38.639 | ng    | 96       |                              |
| 50) Dimethylphthalate         | 14.281 | 163  | 231145   | 37.951 | ng    | 98       |                              |
| 51) 2,6-Dinitrotoluene        | 14.410 | 165  | 49042    | 38.550 | ng    | # 81     | 11/30/2021                   |
| 52) Acenaphthene              | 14.903 | 154  | 162544   | 38.826 | ng    | 94       |                              |
| 53) 3-Nitroaniline            | 14.745 | 138  | 56462    | 39.621 | ng    | 93       |                              |
| 54) 2,4-Dinitrophenol         | 14.962 | 184  | 25705    | 38.141 | ng    | # 79     |                              |
| 55) Dibenzofuran              | 15.232 | 168  | 283001   | 38.925 | ng    | 95       |                              |
| 56) 4-Nitrophenol             | 15.056 | 139  | 41732    | 41.630 | ng    | # 70     |                              |
| 57) 2,4-Dinitrotoluene        | 15.203 | 165  | 71219    | 39.084 | ng    | # 90     |                              |
| 58) Fluorene                  | 15.885 | 166  | 223399   | 39.136 | ng    | 99       |                              |
| 59) 2,3,4,6-Tetrachlorophenol | 15.462 | 232  | 60611    | 39.429 | ng    | # 97     |                              |
| 60) Diethylphthalate          | 15.632 | 149  | 248212   | 38.645 | ng    | 98       |                              |
| 61) 4-Chlorophenyl-phenyle... | 15.867 | 204  | 124303   | 39.832 | ng    | 95       |                              |
| 62) 4-Nitroaniline            | 15.908 | 138  | 59404    | 38.981 | ng    | # 64     |                              |
| 63) Azobenzene                | 16.161 | 77   | 251554   | 39.107 | ng    | 82       |                              |
| 65) 4,6-Dinitro-2-methylph... | 15.967 | 198  | 45992    | 41.788 | ng    | 90       |                              |
| 66) n-Nitrosodiphenylamine    | 16.084 | 169  | 201444   | 38.090 | ng    | 96       |                              |
| 67) 4-Bromophenyl-phenylether | 16.760 | 248  | 78149    | 39.206 | ng    | 93       |                              |
| 68) Hexachlorobenzene         | 16.883 | 284  | 77881    | 38.442 | ng    | 95       |                              |
| 69) Atrazine                  | 17.019 | 200  | 53264    | 37.870 | ng    | 96       |                              |
| 70) Pentachlorophenol         | 17.236 | 266  | 37979    | 41.235 | ng    | 91       |                              |
| 71) Phenanthrene              | 17.630 | 178  | 382628   | 38.627 | ng    | 97       |                              |
| 72) Anthracene                | 17.718 | 178  | 376890   | 38.354 | ng    | 98       |                              |
| 73) Carbazole                 | 17.988 | 167  | 366696   | 37.938 | ng    | 99       |                              |
| 74) Di-n-butylphthalate       | 18.517 | 149  | 441851   | 37.759 | ng    | # 97     |                              |
| 75) Fluoranthene              | 19.627 | 202  | 467242   | 38.261 | ng    | 96       |                              |
| 77) Benzidine                 | 19.804 | 184  | 126320   | 45.637 | ng    | 98       |                              |
| 78) Pyrene                    | 19.992 | 202  | 472037   | 38.612 | ng    | 98       |                              |
| 80) Butylbenzylphthalate      | 20.849 | 149  | 200990   | 38.564 | ng    | 97       |                              |
| 81) Benzo(a)anthracene        | 21.860 | 228  | 445564   | 38.758 | ng    | 99       |                              |
| 82) 3,3'-Dichlorobenzidine    | 21.766 | 252  | 203522   | 39.617 | ng    | # 99     |                              |
| 83) Chrysene                  | 21.930 | 228  | 418333   | 38.755 | ng    | 97       |                              |
| 84) Bis(2-ethylhexyl)phtha... | 21.725 | 149  | 280686   | 38.663 | ng    | 97       |                              |
| 85) Di-n-octyl phthalate      | 22.988 | 149  | 475930   | 39.126 | ng    | 99       |                              |
| 87) Indeno(1,2,3-cd)pyrene    | 29.193 | 276  | 477412   | 38.522 | ng    | # 90     |                              |
| 88) Benzo(b)fluoranthene      | 24.193 | 252  | 411633   | 38.669 | ng    | # 94     |                              |
| 89) Benzo(k)fluoranthene      | 24.263 | 252  | 409006   | 37.877 | ng    | # 96     |                              |
| 90) Benzo(a)pyrene            | 25.121 | 252  | 355469   | 38.482 | ng    | # 95     |                              |
| 91) Dibenzo(a,h)anthracene    | 29.251 | 278  | 390238   | 38.222 | ng    | # 92     |                              |
| 92) Benzo(g,h,i)perylene      | 30.426 | 276  | 385528   | 38.180 | ng    | # 92     |                              |

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

