

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG020123\  
 Data File : BG056506.D  
 Acq On : 1 Feb 2023 19:05  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040EC

Manual Integrations  
 APPROVED

Reviewed By :Christian  
 Giraldo

Quant Time: Feb 02 05:05:08 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG012723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 01 01:15:52 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |                                  |
|-------------------------------|--------|------|----------|--------|-------|----------|----------------------------------|
| Internal Standards            |        |      |          |        |       |          | 02/02/2023                       |
| 1) 1,4-Dichlorobenzene-d4     | 8.279  | 152  | 34774    | 20.000 | ng    | 0.00     | Supervised By :Jagrut<br>padhyay |
| 21) Naphthalene-d8            | 11.111 | 136  | 132833   | 20.000 | ng    | 0.00     |                                  |
| 39) Acenaphthene-d10          | 14.895 | 164  | 111766   | 20.000 | ng    | 0.00     |                                  |
| 64) Phenanthrene-d10          | 17.633 | 188  | 276718   | 20.000 | ng    | 0.00     |                                  |
| 76) Chrysene-d12              | 21.922 | 240  | 266202   | 20.000 | ng    | 0.00     |                                  |
| 86) Perylene-d12              | 25.342 | 264  | 294391   | 20.000 | ng    | 0.00     | 02/02/2023                       |
| System Monitoring Compounds   |        |      |          |        |       |          |                                  |
| 5) 2-Fluorophenol             | 5.794  | 112  | 149222   | 78.940 | ng    | 0.00     |                                  |
| 7) Phenol-d6                  | 7.416  | 99   | 220610   | 78.766 | ng    | 0.00     |                                  |
| 23) Nitrobenzene-d5           | 9.454  | 82   | 192037   | 82.094 | ng    | 0.00     |                                  |
| 42) 2,4,6-Tribromophenol      | 16.376 | 330  | 113355   | 76.289 | ng    | 0.00     |                                  |
| 45) 2-Fluorobiphenyl          | 13.520 | 172  | 639536   | 79.333 | ng    | 0.00     |                                  |
| 79) Terphenyl-d14             | 20.207 | 244  | 1172564  | 77.364 | ng    | 0.00     |                                  |
| Target Compounds              |        |      |          |        |       |          | Qvalue                           |
| 2) 1,4-Dioxane                | 3.597  | 88   | 31393    | 39.883 | ng    |          | 99                               |
| 3) Pyridine                   | 4.020  | 79   | 93791    | 39.973 | ng    |          | 96                               |
| 4) n-Nitrosodimethylamine     | 3.926  | 42   | 19864    | 39.810 | ng    |          | 99                               |
| 6) Aniline                    | 7.586  | 93   | 143236   | 39.060 | ng    |          | 95                               |
| 8) 2-Chlorophenol             | 7.833  | 128  | 77637    | 37.386 | ng    |          | 98                               |
| 9) Benzaldehyde               | 7.404  | 77   | 52995    | 42.118 | ng    |          | 90                               |
| 10) Phenol                    | 7.445  | 94   | 110429   | 38.792 | ng    |          | 97                               |
| 11) bis(2-Chloroethyl)ether   | 7.680  | 93   | 77318    | 39.515 | ng    |          | 97                               |
| 12) 1,3-Dichlorobenzene       | 8.162  | 146  | 93401    | 39.064 | ng    |          | 98                               |
| 13) 1,4-Dichlorobenzene       | 8.309  | 146  | 94338    | 38.961 | ng    |          | 99                               |
| 14) 1,2-Dichlorobenzene       | 8.638  | 146  | 90039    | 38.327 | ng    |          | 98                               |
| 15) Benzyl Alcohol            | 8.514  | 79   | 75968    | 39.532 | ng    |          | 99                               |
| 16) 2,2'-oxybis(1-Chloropr... | 8.791  | 45   | 14570    | 35.143 | ng    |          | 86                               |
| 17) 2-Methylphenol            | 8.714  | 107  | 84631    | 39.078 | ng    |          | 94                               |
| 18) Hexachloroethane          | 9.372  | 117  | 29553    | 40.353 | ng    |          | 94                               |
| 19) n-Nitroso-di-n-propyla... | 9.078  | 70   | 64203    | 39.777 | ng    |          | 96                               |
| 20) 3+4-Methylphenols         | 9.043  | 107  | 117108   | 38.586 | ng    |          | 96                               |
| 22) Acetophenone              | 9.102  | 105  | 141271   | 40.027 | ng    | #        | 99                               |
| 24) Nitrobenzene              | 9.496  | 77   | 94888    | 42.054 | ng    |          | 94                               |
| 25) Isophorone                | 10.013 | 82   | 192600   | 39.910 | ng    |          | 97                               |
| 26) 2-Nitrophenol             | 10.212 | 139  | 55091    | 40.242 | ng    |          | 99                               |
| 27) 2,4-Dimethylphenol        | 10.254 | 122  | 91619    | 39.989 | ng    |          | 97                               |
| 28) bis(2-Chloroethoxy)met... | 10.489 | 93   | 108929   | 40.859 | ng    |          | 97                               |
| 29) 2,4-Dichlorophenol        | 10.753 | 162  | 104868   | 40.663 | ng    |          | 98                               |
| 30) 1,2,4-Trichlorobenzene    | 10.964 | 180  | 118127   | 41.219 | ng    |          | 100                              |
| 31) Naphthalene               | 11.158 | 128  | 281457   | 40.145 | ng    |          | 98                               |
| 32) Benzoic acid              | 10.395 | 122  | 40334m   | 31.466 | ng    |          |                                  |
| 33) 4-Chloroaniline           | 11.264 | 127  | 128310   | 39.207 | ng    |          | 97                               |
| 34) Hexachlorobutadiene       | 11.435 | 225  | 87423    | 43.458 | ng    |          | 99                               |
| 35) Caprolactam               | 12.040 | 113  | 31320    | 36.010 | ng    |          | 95                               |
| 36) 4-Chloro-3-methylphenol   | 12.363 | 107  | 99730    | 40.043 | ng    |          | 94                               |
| 37) 2-Methylnaphthalene       | 12.745 | 142  | 234242   | 40.526 | ng    |          | 96                               |
| 38) 1-Methylnaphthalene       | 12.962 | 142  | 215097   | 39.847 | ng    |          | 99                               |
| 40) 1,2,4,5-Tetrachloroben... | 13.103 | 216  | 167867   | 41.112 | ng    |          | 98                               |
| 41) Hexachlorocyclopentadiene | 13.080 | 237  | 76999    | 39.112 | ng    |          | 97                               |
| 43) 2,4,6-Trichlorophenol     | 13.338 | 196  | 104141   | 39.578 | ng    |          | 98                               |

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Reviewed By : Christian  
 Giraldo

Quant Time: Feb 02 05:05:08 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG012723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 01 01:15:52 2023  
 Response via : Initial Calibration

| Compound                       | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |                                |
|--------------------------------|--------|------|----------|--------|-------|----------|--------------------------------|
| 44) 2,4,5-Trichlorophenol      | 13.415 | 196  | 119871   | 38.909 | ng    | 97       | 02/02/2023                     |
| 46) 1,1'-Biphenyl              | 13.732 | 154  | 319778   | 39.447 | ng    | 99       | Supervised By :Jagrut Upadhyay |
| 47) 2-Chloronaphthalene        | 13.785 | 162  | 249011   | 39.298 | ng    | 99       |                                |
| 48) 2-Nitroaniline             | 13.979 | 65   | 51633    | 39.418 | ng    | 94       |                                |
| 49) Acenaphthylene             | 14.625 | 152  | 403516   | 39.141 | ng    | 99       |                                |
| 50) Dimethylphthalate          | 14.337 | 163  | 347468   | 38.428 | ng    | 99       |                                |
| 51) 2,6-Dinitrotoluene         | 14.466 | 165  | 74834    | 37.950 | ng    | 99       | 02/02/2023                     |
| 52) Acenaphthene               | 14.960 | 154  | 237315   | 38.818 | ng    | 99       |                                |
| 53) 3-Nitroaniline             | 14.795 | 138  | 70887    | 37.081 | ng    | 98       |                                |
| 54) 2,4-Dinitrophenol          | 15.007 | 184  | 43098    | 34.863 | ng    | 98       |                                |
| 55) Dibenzofuran               | 15.289 | 168  | 429664   | 39.189 | ng    | 99       |                                |
| 56) 4-Nitrophenol              | 15.095 | 139  | 48452    | 37.092 | ng    | 98       |                                |
| 57) 2,4-Dinitrotoluene         | 15.248 | 165  | 105783   | 38.085 | ng    | 95       |                                |
| 58) Fluorene                   | 15.935 | 166  | 338679   | 38.821 | ng    | 98       |                                |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.512 | 232  | 106032   | 38.709 | ng    | 100      |                                |
| 60) Diethylphthalate           | 15.683 | 149  | 323299   | 38.077 | ng    | 99       |                                |
| 61) 4-Chlorophenyl-phenylether | 15.918 | 204  | 212012   | 39.826 | ng    | 98       |                                |
| 62) 4-Nitroaniline             | 15.953 | 138  | 73483    | 38.415 | ng    | 98       |                                |
| 63) Azobenzene                 | 16.211 | 77   | 237292   | 40.616 | ng    | 98       |                                |
| 65) 4,6-Dinitro-2-methylph...  | 16.012 | 198  | 76476    | 39.310 | ng    | 100      |                                |
| 66) n-Nitrosodiphenylamine     | 16.135 | 169  | 314583   | 40.153 | ng    | 99       |                                |
| 67) 4-Bromophenyl-phenylether  | 16.811 | 248  | 143891   | 40.619 | ng    | 100      |                                |
| 68) Hexachlorobenzene          | 16.940 | 284  | 137526   | 39.638 | ng    | 98       |                                |
| 69) Atrazine                   | 17.063 | 200  | 122257   | 40.448 | ng    | 99       |                                |
| 70) Pentachlorophenol          | 17.287 | 266  | 73318    | 34.923 | ng    | 99       |                                |
| 71) Phenanthrene               | 17.674 | 178  | 578017   | 39.910 | ng    | 98       |                                |
| 72) Anthracene                 | 17.768 | 178  | 588899   | 39.611 | ng    | 98       |                                |
| 73) Carbazole                  | 18.033 | 167  | 491651   | 38.828 | ng    | 99       |                                |
| 74) Di-n-butylphthalate        | 18.556 | 149  | 519016   | 39.038 | ng    | 100      |                                |
| 75) Fluoranthene               | 19.666 | 202  | 726014   | 39.718 | ng    | 98       |                                |
| 77) Benzidine                  | 19.836 | 184  | 293852   | 40.792 | ng    | 100      |                                |
| 78) Pyrene                     | 20.030 | 202  | 732924   | 38.712 | ng    | 99       |                                |
| 80) Butylbenzylphthalate       | 20.882 | 149  | 221435   | 38.296 | ng    | 99       |                                |
| 81) Benzo(a)anthracene         | 21.899 | 228  | 735324   | 39.511 | ng    | 99       |                                |
| 82) 3,3'-Dichlorobenzidine     | 21.805 | 252  | 261298   | 38.989 | ng    | 96       |                                |
| 83) Chrysene                   | 21.969 | 228  | 693484   | 39.663 | ng    | 100      |                                |
| 84) Bis(2-ethylhexyl)phtha...  | 21.764 | 149  | 322263   | 38.874 | ng    | 99       |                                |
| 85) Di-n-octyl phthalate       | 23.033 | 149  | 545930   | 39.544 | ng    | 99       |                                |
| 87) Indeno(1,2,3-cd)pyrene     | 29.284 | 276  | 870962   | 40.416 | ng    | # 94     |                                |
| 88) Benzo(b)fluoranthene       | 24.249 | 252  | 740288   | 40.514 | ng    | 99       |                                |
| 89) Benzo(k)fluoranthene       | 24.319 | 252  | 735903   | 39.889 | ng    | 100      |                                |
| 90) Benzo(a)pyrene             | 25.183 | 252  | 723334   | 40.186 | ng    | 98       |                                |
| 91) Dibenzo(a,h)anthracene     | 29.337 | 278  | 728659   | 40.282 | ng    | 99       |                                |
| 92) Benzo(g,h,i)perylene       | 30.518 | 276  | 706535   | 40.480 | ng    | 98       |                                |

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

## Manual Integrations APPROVED

Quant Time: Feb 02 05:05:08 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG012723.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Feb 01 01:15:52 2023  
Response via : Initial Calibration

