

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM060623\  
 Data File : BM040103.D  
 Acq On : 06 Jun 2023 14:40  
 Operator : MA/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

## Instrument :

BNA\_M

## ClientSampleId :

SSTDCCC040

## Manual Integrations

## APPROVED

Reviewed By :Yogesh  
 Patel

Quant Time: Jun 07 03:15:56 2023

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM052323.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 06 16:45:42 2023

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.999  | 152  | 367709   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.810 | 136  | 1639894  | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.633 | 164  | 959971   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.374 | 188  | 1895271  | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.557 | 240  | 1621065  | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 23.992 | 264  | 1465281  | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.540  | 112  | 1909557  | 79.659 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.152  | 99   | 2559306  | 81.844 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.163  | 82   | 2342669  | 77.085 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.122 | 330  | 1195672  | 95.963 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.263 | 172  | 5806788  | 71.346 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.992 | 244  | 8575368  | 82.137 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
| 2) 1,4-Dioxane                | 3.405  | 88   | 362293   | 37.424 | ng    | 97       |
| 3) Pyridine                   | 3.811  | 79   | 1098274  | 41.321 | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.722  | 42   | 402648   | 35.659 | ng    | 91       |
| 6) Aniline                    | 7.322  | 93   | 1580459  | 40.846 | ng    | 98       |
| 8) 2-Chlorophenol             | 7.557  | 128  | 1037847  | 41.131 | ng    | 95       |
| 9) Benzaldehyde               | 7.128  | 77   | 690325   | 45.667 | ng    | 96       |
| 10) Phenol                    | 7.181  | 94   | 1261241  | 40.238 | ng    | 97       |
| 11) bis(2-Chloroethyl)ether   | 7.416  | 93   | 1017900  | 39.427 | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 7.881  | 146  | 1059606  | 39.655 | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 8.034  | 146  | 1075331  | 39.553 | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 8.352  | 146  | 1060250  | 39.771 | ng    | 99       |
| 15) Benzyl Alcohol            | 8.234  | 79   | 878218   | 43.569 | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.534  | 45   | 1262370  | 38.117 | ng    | 98       |
| 17) 2-Methylphenol            | 8.440  | 107  | 962200   | 42.906 | ng    | 98       |
| 18) Hexachloroethane          | 9.087  | 117  | 392551   | 39.827 | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 8.810  | 70   | 810828   | 44.768 | ng    | 95       |
| 20) 3+4-Methylphenols         | 8.769  | 107  | 1322462  | 44.689 | ng    | 99       |
| 22) Acetophenone              | 8.822  | 105  | 1651656  | 37.315 | ng    | # 98     |
| 24) Nitrobenzene              | 9.210  | 77   | 1183907  | 38.405 | ng    | 95       |
| 25) Isophorone                | 9.734  | 82   | 2299127  | 41.484 | ng    | 97       |
| 26) 2-Nitrophenol             | 9.922  | 139  | 574523   | 52.668 | ng    | 92       |
| 27) 2,4-Dimethylphenol        | 9.981  | 122  | 1045922  | 42.097 | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 10.216 | 93   | 1431467  | 39.395 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.451 | 162  | 996724   | 42.343 | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 10.675 | 180  | 988250   | 38.348 | ng    | 99       |
| 31) Naphthalene               | 10.863 | 128  | 3519097  | 38.893 | ng    | 100      |
| 32) Benzoic acid              | 10.116 | 122  | 771772   | 46.403 | ng    | 92       |
| 33) 4-Chloroaniline           | 10.969 | 127  | 1628228  | 42.704 | ng    | 98       |
| 34) Hexachlorobutadiene       | 11.145 | 225  | 526311   | 36.386 | ng    | 99       |
| 35) Caprolactam               | 11.757 | 113  | 344828   | 51.877 | ng    | # 85     |
| 36) 4-Chloro-3-methylphenol   | 12.087 | 107  | 1106790  | 45.490 | ng    | 97       |
| 37) 2-Methylnaphthalene       | 12.469 | 142  | 2486846  | 41.234 | ng    | 98       |
| 38) 1-Methylnaphthalene       | 12.687 | 142  | 2354122  | 41.699 | ng    | 97       |
| 40) 1,2,4,5-Tetrachloroben... | 12.834 | 216  | 1058952  | 34.877 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.816 | 237  | 574227   | 36.559 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 13.069 | 196  | 763834   | 41.447 | ng    | 99       |

06/07/2023

Supervised By :mohammad  
 Ahmed

06/08/2023

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 Operator : MA/JU  
 Sample : SSTDCCC040  
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 ALS Vial : 2 Sample Multiplier: 1

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BNA\_M

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SSTDCCC040

## Manual Integrations

## APPROVED

Reviewed By :Yogesh  
 Patel

Quant Time: Jun 07 03:15:56 2023

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM052323.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 06 16:45:42 2023

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min)   |
|-------------------------------|--------|------|----------|--------|-------|------------|
| 44) 2,4,5-Trichlorophenol     | 13.139 | 196  | 901160   | 41.083 | ng    | 98         |
| 46) 1,1'-Biphenyl             | 13.475 | 154  | 3113170  | 37.879 | ng    | 99         |
| 47) 2-Chloronaphthalene       | 13.516 | 162  | 2341468  | 38.166 | ng    | 98         |
| 48) 2-Nitroaniline            | 13.716 | 65   | 685871   | 41.676 | ng    | 93         |
| 49) Acenaphthylene            | 14.357 | 152  | 3930410  | 40.924 | ng    | 99         |
| 50) Dimethylphthalate         | 14.092 | 163  | 3022446  | 41.766 | ng    | 100        |
| 51) 2,6-Dinitrotoluene        | 14.210 | 165  | 639158   | 46.170 | ng    | 93         |
| 52) Acenaphthene              | 14.698 | 154  | 2548653m | 40.615 | ng    | 06/08/2023 |
| 53) 3-Nitroaniline            | 14.539 | 138  | 796979   | 48.665 | ng    | 97         |
| 54) 2,4-Dinitrophenol         | 14.739 | 184  | 317628   | 45.125 | ng    | 97         |
| 55) Dibenzofuran              | 15.033 | 168  | 3688134  | 39.813 | ng    | 98         |
| 56) 4-Nitrophenol             | 14.833 | 139  | 643998   | 50.835 | ng    | 91         |
| 57) 2,4-Dinitrotoluene        | 14.992 | 165  | 862957   | 43.661 | ng    | 92         |
| 58) Fluorene                  | 15.680 | 166  | 3047427  | 39.573 | ng    | 98         |
| 59) 2,3,4,6-Tetrachlorophenol | 15.257 | 232  | 692581   | 42.457 | ng    | 99         |
| 60) Diethylphthalate          | 15.451 | 149  | 3073190  | 42.964 | ng    | 99         |
| 61) 4-Chlorophenyl-phenyle... | 15.675 | 204  | 1459482  | 38.738 | ng    | 96         |
| 62) 4-Nitroaniline            | 15.704 | 138  | 821981   | 48.194 | ng    | 93         |
| 63) Azobenzene                | 15.963 | 77   | 2802151  | 39.293 | ng    | 97         |
| 65) 4,6-Dinitro-2-methylph... | 15.757 | 198  | 440904   | 43.153 | ng    | 89         |
| 66) n-Nitrosodiphenylamine    | 15.886 | 169  | 2571964  | 39.461 | ng    | 98         |
| 67) 4-Bromophenyl-phenylether | 16.569 | 248  | 808397   | 38.602 | ng    | 95         |
| 68) Hexachlorobenzene         | 16.680 | 284  | 940387   | 39.294 | ng    | 97         |
| 69) Atrazine                  | 16.833 | 200  | 721636   | 44.512 | ng    | 99         |
| 70) Pentachlorophenol         | 17.022 | 266  | 657988   | 41.882 | ng    | 98         |
| 71) Phenanthrene              | 17.422 | 178  | 4456101  | 39.308 | ng    | 99         |
| 72) Anthracene                | 17.510 | 178  | 4569064  | 40.679 | ng    | 100        |
| 73) Carbazole                 | 17.780 | 167  | 4273127  | 42.109 | ng    | 100        |
| 74) Di-n-butylphthalate       | 18.345 | 149  | 5068013  | 39.746 | ng    | 99         |
| 75) Fluoranthene              | 19.427 | 202  | 4739673  | 41.948 | ng    | 99         |
| 77) Benzidine                 | 19.616 | 184  | 1670253  | 66.350 | ng    | 99         |
| 78) Pyrene                    | 19.792 | 202  | 5028274  | 42.271 | ng    | 100        |
| 80) Butylbenzylphthalate      | 20.686 | 149  | 2229372  | 45.818 | ng    | 89         |
| 81) Benzo(a)anthracene        | 21.539 | 228  | 4776223  | 41.620 | ng    | 99         |
| 82) 3,3'-Dichlorobenzidine    | 21.468 | 252  | 1761279  | 51.379 | ng    | 100        |
| 83) Chrysene                  | 21.592 | 228  | 4491258  | 40.789 | ng    | 99         |
| 84) Bis(2-ethylhexyl)phtha... | 21.462 | 149  | 3278550  | 42.506 | ng    | 97         |
| 85) Di-n-octyl phthalate      | 22.404 | 149  | 5331422  | 45.020 | ng    | 97         |
| 87) Indeno(1,2,3-cd)pyrene    | 26.544 | 276  | 3955094  | 33.942 | ng    | 99         |
| 88) Benzo(b)fluoranthene      | 23.251 | 252  | 3940866  | 42.008 | ng    | 99         |
| 89) Benzo(k)fluoranthene      | 23.304 | 252  | 4181476  | 40.762 | ng    | 98         |
| 90) Benzo(a)pyrene            | 23.886 | 252  | 3648362  | 40.552 | ng    | 98         |
| 91) Dibenzo(a,h)anthracene    | 26.556 | 278  | 3372861  | 33.527 | ng    | 100        |
| 92) Benzo(g,h,i)perylene      | 27.321 | 276  | 2898678  | 32.602 | ng    | 100        |

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

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Patel

