

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080923\  
 Data File : BM041340.D  
 Acq On : 09 Aug 2023 13:10  
 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: Aug 09 17:39:52 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM072823.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 09 12:20:12 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |                               |
|-------------------------------|--------|------|----------|--------|-------|----------|-------------------------------|
| Internal Standards            |        |      |          |        |       |          | 08/10/2023                    |
| 1) 1,4-Dichlorobenzene-d4     | 7.775  | 152  | 157468   | 20.000 | ng    | 0.00     | Supervised By :mohammad Ahmed |
| 21) Naphthalene-d8            | 10.587 | 136  | 645748   | 20.000 | ng    | 0.00     |                               |
| 39) Acenaphthene-d10          | 14.445 | 164  | 406508   | 20.000 | ng    | 0.00     |                               |
| 64) Phenanthrene-d10          | 17.210 | 188  | 827964   | 20.000 | ng    | 0.00     |                               |
| 76) Chrysene-d12              | 21.415 | 240  | 609736   | 20.000 | ng    | 0.00     |                               |
| 86) Perylene-d12              | 23.780 | 264  | 629695   | 20.000 | ng    | 0.00     | 08/10/2023                    |
| System Monitoring Compounds   |        |      |          |        |       |          |                               |
| 5) 2-Fluorophenol             | 5.357  | 112  | 659494   | 62.595 | ng    | 0.00     |                               |
| 7) Phenol-d6                  | 6.969  | 99   | 907011   | 66.413 | ng    | 0.00     |                               |
| 23) Nitrobenzene-d5           | 8.957  | 82   | 955891   | 68.840 | ng    | 0.00     |                               |
| 42) 2,4,6-Tribromophenol      | 15.951 | 330  | 444408   | 77.290 | ng    | 0.00     |                               |
| 45) 2-Fluorobiphenyl          | 13.063 | 172  | 2247475  | 69.842 | ng    | 0.00     |                               |
| 79) Terphenyl-d14             | 19.845 | 244  | 2877083  | 85.314 | ng    | 0.00     |                               |
| Target Compounds              |        |      |          |        |       |          | Qvalue                        |
| 2) 1,4-Dioxane                | 3.252  | 88   | 131421   | 29.158 | ng    |          | 97                            |
| 3) Pyridine                   | 3.663  | 79   | 376203   | 31.745 | ng    |          | 99                            |
| 4) n-Nitrosodimethylamine     | 3.581  | 42   | 162334   | 29.618 | ng    |          | 95                            |
| 6) Aniline                    | 7.116  | 93   | 568337   | 35.559 | ng    |          | 100                           |
| 8) 2-Chlorophenol             | 7.346  | 128  | 358328   | 34.838 | ng    |          | 100                           |
| 9) Benzaldehyde               | 6.928  | 77   | 245481m  | 34.065 | ng    |          |                               |
| 10) Phenol                    | 6.993  | 94   | 439760   | 33.339 | ng    |          | 95                            |
| 11) bis(2-Chloroethyl)ether   | 7.216  | 93   | 381888   | 35.767 | ng    |          | 97                            |
| 12) 1,3-Dichlorobenzene       | 7.663  | 146  | 398764   | 35.616 | ng    |          | 100                           |
| 13) 1,4-Dichlorobenzene       | 7.816  | 146  | 405180   | 36.005 | ng    |          | 99                            |
| 14) 1,2-Dichlorobenzene       | 8.128  | 146  | 393508   | 36.470 | ng    |          | 99                            |
| 15) Benzyl Alcohol            | 8.040  | 79   | 338695   | 39.271 | ng    |          | 100                           |
| 16) 2,2'-oxybis(1-Chloropr... | 8.316  | 45   | 478231   | 33.616 | ng    |          | 95                            |
| 17) 2-Methylphenol            | 8.240  | 107  | 337016   | 37.398 | ng    |          | 97                            |
| 18) Hexachloroethane          | 8.845  | 117  | 156514   | 37.358 | ng    |          | 90                            |
| 19) n-Nitroso-di-n-propyla... | 8.604  | 70   | 341541   | 41.173 | ng    |          | 94                            |
| 20) 3+4-Methylphenols         | 8.575  | 107  | 455206   | 37.779 | ng    |          | 97                            |
| 22) Acetophenone              | 8.622  | 105  | 595958   | 34.847 | ng    | #        | 98                            |
| 24) Nitrobenzene              | 8.998  | 77   | 480621   | 34.227 | ng    |          | 98                            |
| 25) Isophorone                | 9.528  | 82   | 923873   | 39.195 | ng    |          | 99                            |
| 26) 2-Nitrophenol             | 9.710  | 139  | 215560   | 39.268 | ng    |          | 95                            |
| 27) 2,4-Dimethylphenol        | 9.775  | 122  | 350117   | 36.245 | ng    |          | 97                            |
| 28) bis(2-Chloroethoxy)met... | 10.010 | 93   | 530951   | 35.960 | ng    |          | 99                            |
| 29) 2,4-Dichlorophenol        | 10.245 | 162  | 368744   | 37.854 | ng    |          | 100                           |
| 30) 1,2,4-Trichlorobenzene    | 10.445 | 180  | 411212   | 38.208 | ng    |          | 98                            |
| 31) Naphthalene               | 10.634 | 128  | 1223829  | 34.925 | ng    |          | 99                            |
| 32) Benzoic acid              | 9.963  | 122  | 266478   | 38.411 | ng    |          | 96                            |
| 33) 4-Chloroaniline           | 10.769 | 127  | 502213   | 35.862 | ng    |          | 99                            |
| 34) Hexachlorobutadiene       | 10.904 | 225  | 267736   | 41.362 | ng    |          | 98                            |
| 35) Caprolactam               | 11.604 | 113  | 116896   | 41.482 | ng    | #        | 86                            |
| 36) 4-Chloro-3-methylphenol   | 11.904 | 107  | 402107   | 39.219 | ng    |          | 98                            |
| 37) 2-Methylnaphthalene       | 12.257 | 142  | 897606   | 37.995 | ng    |          | 99                            |
| 38) 1-Methylnaphthalene       | 12.475 | 142  | 845001   | 38.216 | ng    |          | 99                            |
| 40) 1,2,4,5-Tetrachloroben... | 12.622 | 216  | 478712   | 36.267 | ng    |          | 99                            |
| 41) Hexachlorocyclopentadiene | 12.586 | 237  | 194246   | 27.816 | ng    |          | 98                            |
| 43) 2,4,6-Trichlorophenol     | 12.881 | 196  | 327340   | 38.691 | ng    |          | 98                            |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM080923\  
 Data File : BM041340.D  
 Acq On : 09 Aug 2023 13:10  
 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: Aug 09 17:39:52 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM072823.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 09 12:20:12 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |                         |
|-------------------------------|--------|------|----------|--------|-------|----------|-------------------------|
| 44) 2,4,5-Trichlorophenol     | 12.957 | 196  | 376036   | 38.402 | ng    | 97       | 08/10/2023              |
| 46) 1,1'-Biphenyl             | 13.275 | 154  | 1134821  | 34.435 | ng    | 99       | Supervised By :mohammad |
| 47) 2-Chloronaphthalene       | 13.322 | 162  | 861467   | 35.010 | ng    | 99       | ahmed                   |
| 48) 2-Nitroaniline            | 13.545 | 65   | 279728   | 35.614 | ng    | 98       |                         |
| 49) Acenaphthylene            | 14.169 | 152  | 1398767  | 35.218 | ng    | 99       |                         |
| 50) Dimethylphthalate         | 13.922 | 163  | 1142160  | 37.352 | ng    | 100      |                         |
| 51) 2,6-Dinitrotoluene        | 14.051 | 165  | 243946   | 38.503 | ng    | 97       | 08/10/2023              |
| 52) Acenaphthene              | 14.510 | 154  | 830513   | 34.711 | ng    | 99       |                         |
| 53) 3-Nitroaniline            | 14.380 | 138  | 237157   | 33.188 | ng    | 95       |                         |
| 54) 2,4-Dinitrophenol         | 14.598 | 184  | 132933   | 34.638 | ng    | 93       |                         |
| 55) Dibenzofuran              | 14.851 | 168  | 1372066  | 35.147 | ng    | 100      |                         |
| 56) 4-Nitrophenol             | 14.716 | 139  | 136282   | 25.809 | ng    | 97       |                         |
| 57) 2,4-Dinitrotoluene        | 14.845 | 165  | 328132   | 36.919 | ng    | 94       |                         |
| 58) Fluorene                  | 15.504 | 166  | 1089284  | 35.371 | ng    | 99       |                         |
| 59) 2,3,4,6-Tetrachlorophenol | 15.086 | 232  | 303595   | 38.287 | ng    | 97       |                         |
| 60) Diethylphthalate          | 15.280 | 149  | 1140198  | 38.558 | ng    | 99       |                         |
| 61) 4-Chlorophenyl-phenyle... | 15.498 | 204  | 589935   | 38.227 | ng    | 98       |                         |
| 62) 4-Nitroaniline            | 15.551 | 138  | 199957   | 31.181 | ng    | 95       |                         |
| 63) Azobenzene                | 15.792 | 77   | 1145923  | 35.377 | ng    | 98       |                         |
| 65) 4,6-Dinitro-2-methylph... | 15.610 | 198  | 192911   | 38.461 | ng    | 90       |                         |
| 66) n-Nitrosodiphenylamine    | 15.722 | 169  | 916215   | 35.581 | ng    | 99       |                         |
| 67) 4-Bromophenyl-phenylether | 16.398 | 248  | 355918   | 39.207 | ng    | 98       |                         |
| 68) Hexachlorobenzene         | 16.504 | 284  | 380809   | 37.725 | ng    | 98       |                         |
| 69) Atrazine                  | 16.686 | 200  | 276761   | 40.926 | ng    | 99       |                         |
| 70) Pentachlorophenol         | 16.863 | 266  | 261579   | 37.422 | ng    | 99       |                         |
| 71) Phenanthrene              | 17.251 | 178  | 1575107  | 34.240 | ng    | 99       |                         |
| 72) Anthracene                | 17.345 | 178  | 1603331  | 35.240 | ng    | 99       |                         |
| 73) Carbazole                 | 17.627 | 167  | 1350749  | 32.802 | ng    | 100      |                         |
| 74) Di-n-butylphthalate       | 18.180 | 149  | 1867227  | 40.127 | ng    | 100      |                         |
| 75) Fluoranthene              | 19.274 | 202  | 1714319  | 33.170 | ng    | 99       |                         |
| 77) Benzidine                 | 19.480 | 184  | 329526   | 39.651 | ng    | 99       |                         |
| 78) Pyrene                    | 19.639 | 202  | 1738678  | 40.776 | ng    | 99       |                         |
| 80) Butylbenzylphthalate      | 20.545 | 149  | 727008   | 46.689 | ng    | 100      |                         |
| 81) Benzo(a)anthracene        | 21.398 | 228  | 1509869  | 36.527 | ng    | 99       |                         |
| 82) 3,3'-Dichlorobenzidine    | 21.339 | 252  | 507113   | 37.597 | ng    | 99       |                         |
| 83) Chrysene                  | 21.451 | 228  | 1427171  | 35.696 | ng    | 99       |                         |
| 84) Bis(2-ethylhexyl)phtha... | 21.321 | 149  | 1047374  | 42.654 | ng    | # 97     |                         |
| 85) Di-n-octyl phthalate      | 22.239 | 149  | 1659227  | 42.162 | ng    | 96       |                         |
| 87) Indeno(1,2,3-cd)pyrene    | 26.233 | 276  | 1602989  | 34.625 | ng    | 96       |                         |
| 88) Benzo(b)fluoranthene      | 23.062 | 252  | 1352518  | 36.156 | ng    | 98       |                         |
| 89) Benzo(k)fluoranthene      | 23.109 | 252  | 1362222  | 35.600 | ng    | 99       |                         |
| 90) Benzo(a)pyrene            | 23.680 | 252  | 1292706  | 35.965 | ng    | 98       |                         |
| 91) Dibenzo(a,h)anthracene    | 26.244 | 278  | 1344155  | 34.809 | ng    | 97       |                         |
| 92) Benzo(g,h,i)perylene      | 26.991 | 276  | 1312094  | 34.726 | ng    | 96       |                         |

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

