

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM110323\  
 Data File : BM042567.D  
 Acq On : 03 Nov 2023 12:59  
 Operator : MA/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Manual Integrations  
 APPROVED

Reviewed By :Yogesh  
 Patel

Quant Time: Nov 03 22:37:06 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM103023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 03 15:52:20 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.910  | 152  | 45034    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.728 | 136  | 188769   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.563 | 164  | 127805   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.316 | 188  | 310858   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.504 | 240  | 354842   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 23.915 | 264  | 369988   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.440  | 112  | 220054   | 78.861  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.075  | 99   | 322748   | 84.336  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.110  | 82   | 365559   | 90.275  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.063 | 330  | 168288   | 100.856 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.187 | 172  | 794814   | 83.682  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.933 | 244  | 1835187  | 87.694  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
| 2) 1,4-Dioxane                | 3.299  | 88   | 51909    | 39.034  | ng    | 97       |
| 3) Pyridine                   | 3.722  | 79   | 146957   | 38.523  | ng    | 95       |
| 4) n-Nitrosodimethylamine     | 3.652  | 42   | 88513    | 48.214  | ng    | 83       |
| 6) Aniline                    | 7.252  | 93   | 201455   | 41.413  | ng    | 97       |
| 8) 2-Chlorophenol             | 7.469  | 128  | 120599   | 40.081  | ng    | 98       |
| 9) Benzaldehyde               | 7.069  | 77   | 98970    | 44.872  | ng    | 97       |
| 10) Phenol                    | 7.105  | 94   | 161506   | 41.554  | ng    | 93       |
| 11) bis(2-Chloroethyl)ether   | 7.352  | 93   | 128041   | 38.941  | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 7.787  | 146  | 126117   | 38.783  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 7.946  | 146  | 128034   | 38.904  | ng    | 95       |
| 14) 1,2-Dichlorobenzene       | 8.257  | 146  | 123788   | 38.959  | ng    | 97       |
| 15) Benzyl Alcohol            | 8.175  | 79   | 125678m  | 46.387  | ng    |          |
| 16) 2,2'-oxybis(1-Chloropr... | 8.440  | 45   | 204174m  | 39.020  | ng    |          |
| 17) 2-Methylphenol            | 8.357  | 107  | 117061   | 42.536  | ng    | 96       |
| 18) Hexachloroethane          | 8.969  | 117  | 52581    | 40.833  | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 8.728  | 70   | 124851   | 46.118  | ng    | 92       |
| 20) 3+4-Methylphenols         | 8.693  | 107  | 163637   | 44.474  | ng    | 98       |
| 22) Acetophenone              | 8.763  | 105  | 209416   | 43.987  | ng    | # 96     |
| 24) Nitrobenzene              | 9.157  | 77   | 177473   | 44.497  | ng    | 99       |
| 25) Isophorone                | 9.663  | 82   | 334595   | 46.683  | ng    | 98       |
| 26) 2-Nitrophenol             | 9.857  | 139  | 70367    | 41.965  | ng    | # 95     |
| 27) 2,4-Dimethylphenol        | 9.899  | 122  | 118770m  | 43.316  | ng    |          |
| 28) bis(2-Chloroethoxy)met... | 10.151 | 93   | 178426   | 41.321  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.381 | 162  | 124566   | 45.914  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.581 | 180  | 129857   | 43.675  | ng    | 99       |
| 31) Naphthalene               | 10.781 | 128  | 404309   | 41.456  | ng    | 100      |
| 32) Benzoic acid              | 10.051 | 122  | 100760   | 45.423  | ng    | 92       |
| 33) 4-Chloroaniline           | 10.922 | 127  | 177092   | 46.569  | ng    | 96       |
| 34) Hexachlorobutadiene       | 11.004 | 225  | 84703    | 46.922  | ng    | 99       |
| 35) Caprolactam               | 11.763 | 113  | 47769    | 50.113  | ng    | 98       |
| 36) 4-Chloro-3-methylphenol   | 12.028 | 107  | 146125   | 47.326  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.387 | 142  | 299847   | 43.655  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 12.610 | 142  | 281204   | 43.496  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.740 | 216  | 163457   | 42.811  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.681 | 237  | 97435    | 45.421  | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 12.998 | 196  | 109533   | 44.789  | ng    | 97       |

11/04/2023  
 Supervised By :mohammad  
 Ahmed

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| 44) 2,4,5-Trichlorophenol     | 13.075 | 196  | 130568   | 44.867 | ng    | 96       | 11/04/2023                       |
| 46) 1,1'-Biphenyl             | 13.398 | 154  | 397674   | 40.705 | ng    | 100      | Supervised By :mohammad<br>ahmed |
| 47) 2-Chloronaphthalene       | 13.451 | 162  | 293198   | 40.909 | ng    | 99       |                                  |
| 48) 2-Nitroaniline            | 13.692 | 65   | 124455   | 43.501 | ng    | 98       |                                  |
| 49) Acenaphthylene            | 14.298 | 152  | 507568   | 42.761 | ng    | 99       |                                  |
| 50) Dimethylphthalate         | 14.034 | 163  | 422821   | 44.264 | ng    | 99       |                                  |
| 51) 2,6-Dinitrotoluene        | 14.181 | 165  | 90614    | 46.028 | ng    | 95       | 11/04/2023                       |
| 52) Acenaphthene              | 14.634 | 154  | 301230   | 41.816 | ng    | 99       |                                  |
| 53) 3-Nitroaniline            | 14.522 | 138  | 95673    | 43.759 | ng    | 98       |                                  |
| 54) 2,4-Dinitrophenol         | 14.728 | 184  | 55611    | 43.701 | ng    | 96       |                                  |
| 55) Dibenzofuran              | 14.963 | 168  | 515476   | 44.010 | ng    | 99       |                                  |
| 56) 4-Nitrophenol             | 14.822 | 139  | 73937    | 44.692 | ng    | 90       |                                  |
| 57) 2,4-Dinitrotoluene        | 14.963 | 165  | 132778   | 44.796 | ng    | 96       |                                  |
| 58) Fluorene                  | 15.616 | 166  | 425238   | 44.872 | ng    | 99       |                                  |
| 59) 2,3,4,6-Tetrachlorophenol | 15.186 | 232  | 117392   | 47.893 | ng    | 97       |                                  |
| 60) Diethylphthalate          | 15.381 | 149  | 445740   | 46.060 | ng    | 100      |                                  |
| 61) 4-Chlorophenyl-phenyle... | 15.604 | 204  | 222086   | 46.388 | ng    | 99       |                                  |
| 62) 4-Nitroaniline            | 15.686 | 138  | 93028    | 47.276 | ng    | 88       |                                  |
| 63) Azobenzene                | 15.898 | 77   | 506363   | 47.482 | ng    | 95       |                                  |
| 65) 4,6-Dinitro-2-methylph... | 15.716 | 198  | 83242    | 42.426 | ng    | 96       |                                  |
| 66) n-Nitrosodiphenylamine    | 15.833 | 169  | 366000   | 41.757 | ng    | 98       |                                  |
| 67) 4-Bromophenyl-phenylether | 16.504 | 248  | 135751   | 43.673 | ng    | 96       |                                  |
| 68) Hexachlorobenzene         | 16.586 | 284  | 152206   | 44.262 | ng    | 97       |                                  |
| 69) Atrazine                  | 16.780 | 200  | 113643   | 44.871 | ng    | 99       |                                  |
| 70) Pentachlorophenol         | 16.951 | 266  | 112802   | 44.619 | ng    | 99       |                                  |
| 71) Phenanthrene              | 17.363 | 178  | 692866   | 42.650 | ng    | 100      |                                  |
| 72) Anthracene                | 17.451 | 178  | 704103   | 43.758 | ng    | 99       |                                  |
| 73) Carbazole                 | 17.739 | 167  | 639823   | 48.879 | ng    | 99       |                                  |
| 74) Di-n-butylphthalate       | 18.257 | 149  | 862798   | 46.937 | ng    | 99       |                                  |
| 75) Fluoranthene              | 19.374 | 202  | 919554   | 48.188 | ng    | 99       |                                  |
| 77) Benzidine                 | 19.592 | 184  | 181418   | 53.300 | ng    | 99       |                                  |
| 78) Pyrene                    | 19.739 | 202  | 984393   | 40.401 | ng    | 99       |                                  |
| 80) Butylbenzylphthalate      | 20.621 | 149  | 442520   | 42.522 | ng    | 98       |                                  |
| 81) Benzo(a)anthracene        | 21.486 | 228  | 983624   | 43.568 | ng    | 99       |                                  |
| 82) 3,3'-Dichlorobenzidine    | 21.427 | 252  | 348820   | 48.614 | ng    | 100      |                                  |
| 83) Chrysene                  | 21.539 | 228  | 937185   | 40.865 | ng    | 100      |                                  |
| 84) Bis(2-ethylhexyl)phtha... | 21.363 | 149  | 659010   | 41.901 | ng    | 100      |                                  |
| 85) Di-n-octyl phthalate      | 22.292 | 149  | 1109535  | 40.985 | ng    | 99       |                                  |
| 87) Indeno(1,2,3-cd)pyrene    | 26.450 | 276  | 1006823  | 45.721 | ng    | # 94     |                                  |
| 88) Benzo(b)fluoranthene      | 23.174 | 252  | 872081   | 42.308 | ng    | 98       |                                  |
| 89) Benzo(k)fluoranthene      | 23.221 | 252  | 916639   | 39.908 | ng    | 98       |                                  |
| 90) Benzo(a)pyrene            | 23.809 | 252  | 840183   | 41.401 | ng    | 98       |                                  |
| 91) Dibenzo(a,h)anthracene    | 26.468 | 278  | 826039   | 41.268 | ng    | # 95     |                                  |
| 92) Benzo(g,h,i)perylene      | 27.244 | 276  | 811016   | 41.787 | ng    | 96       |                                  |

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

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