

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF100423\  
 Data File : BF135578.D  
 Acq On : 04 Oct 2023 19:35  
 Operator : CG\JU  
 Sample : 04651-01MS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP1-COMPMS

Manual Integrations  
 APPROVED

Reviewed By :Yogesh  
 Patel

Quant Time: Oct 04 23:26:55 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 04 17:06:20 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.739  | 152  | 163778   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.016  | 136  | 638838   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.774  | 164  | 319841   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.269 | 188  | 622099   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.927 | 240  | 306504   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.386 | 264  | 317463   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.381  | 112  | 1281902  | 127.303 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.398  | 99   | 1602596  | 125.162 | ng    | 0.01     |
| 23) Nitrobenzene-d5           | 7.310  | 82   | 1031836  | 87.752  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.574 | 330  | 379060   | 119.260 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.098  | 172  | 1738988  | 82.030  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.863 | 244  | 1764665  | 89.251  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.528  | 88   | 181041   | 41.012  | ng    | 94       |
| 3) Pyridine                   | 3.293  | 79   | 460189   | 38.734  | ng    | 95       |
| 4) n-Nitrosodimethylamine     | 3.240  | 42   | 300794   | 47.710  | ng    | 93       |
| 6) Aniline                    | 6.410  | 93   | 543274   | 32.356  | ng    | # 26     |
| 8) 2-Chlorophenol             | 6.528  | 128  | 512312   | 47.659  | ng    | 98       |
| 9) Benzaldehyde               | 6.298  | 77   | 103112   | 14.136  | ng    | 99       |
| 10) Phenol                    | 6.410  | 94   | 595265   | 42.397  | ng    | 87       |
| 11) bis(2-Chloroethyl)ether   | 6.481  | 93   | 539310   | 51.208  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.675  | 146  | 483185   | 44.229  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.757  | 146  | 498483   | 44.849  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 6.904  | 146  | 463059   | 44.863  | ng    | 98       |
| 15) Benzyl Alcohol            | 6.892  | 79   | 408693   | 44.481  | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.016  | 45   | 897939   | 45.233  | ng    | 73       |
| 17) 2-Methylphenol            | 7.010  | 107  | 398784   | 42.039  | ng    | # 89     |
| 18) Hexachloroethane          | 7.239  | 117  | 190691   | 46.433  | ng    | 91       |
| 19) n-Nitroso-di-n-propyla... | 7.157  | 70   | 325390   | 41.028  | ng    | 94       |
| 20) 3+4-Methylphenols         | 7.163  | 107  | 487012   | 42.696  | ng    | # 72     |
| 22) Acetophenone              | 7.151  | 105  | 656156   | 44.925  | ng    | # 92     |
| 24) Nitrobenzene              | 7.328  | 77   | 536768   | 46.185  | ng    | 100      |
| 25) Isophorone                | 7.563  | 82   | 994825   | 46.074  | ng    | 98       |
| 26) 2-Nitrophenol             | 7.639  | 139  | 269866   | 48.380  | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.686  | 122  | 393294   | 41.947  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.775  | 93   | 617598   | 47.789  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.886  | 162  | 407859   | 46.945  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 7.963  | 180  | 417187   | 45.941  | ng    | 99       |
| 31) Naphthalene               | 8.039  | 128  | 1389484  | 44.765  | ng    | 99       |
| 32) Benzoic acid              | 7.839  | 122  | 318845   | 45.161  | ng    | 100      |
| 33) 4-Chloroaniline           | 8.098  | 127  | 275097   | 20.201  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.151  | 225  | 235488   | 43.007  | ng    | 98       |
| 35) Caprolactam               | 8.480  | 113  | 130727m  | 44.834  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.598  | 107  | 460360   | 47.676  | ng    | 96       |
| 37) 2-Methylnaphthalene       | 8.733  | 142  | 876800   | 42.024  | ng    | 97       |
| 38) 1-Methylnaphthalene       | 8.833  | 142  | 845539   | 43.285  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 8.898  | 216  | 418701   | 45.186  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 8.880  | 237  | 232741   | 59.126  | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.022  | 196  | 277306   | 45.708  | ng    | 99       |

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|-------------------------------|--------|------|----------|--------|-------|----------|----------------------------------|
| 44) 2,4,5-Trichlorophenol     | 9.069  | 196  | 287389   | 41.134 | ng    | 98       | 10/05/2023                       |
| 46) 1,1'-Biphenyl             | 9.198  | 154  | 1091202  | 44.395 | ng    | 97       | Supervised By :mohammad<br>ahmed |
| 47) 2-Chloronaphthalene       | 9.222  | 162  | 836495   | 46.905 | ng    | 98       |                                  |
| 48) 2-Nitroaniline            | 9.333  | 65   | 338966   | 48.925 | ng    | 99       |                                  |
| 49) Acenaphthylene            | 9.639  | 152  | 1329302  | 44.851 | ng    | 99       |                                  |
| 50) Dimethylphthalate         | 9.510  | 163  | 1007964  | 46.612 | ng    | 99       |                                  |
| 51) 2,6-Dinitrotoluene        | 9.575  | 165  | 224438   | 47.378 | ng    | 98       | 10/06/2023                       |
| 52) Acenaphthene              | 9.810  | 154  | 796412   | 45.487 | ng    | 97       |                                  |
| 53) 3-Nitroaniline            | 9.745  | 138  | 198881   | 35.765 | ng    | 99       |                                  |
| 54) 2,4-Dinitrophenol         | 9.869  | 184  | 223928   | 83.011 | ng    | 97       |                                  |
| 55) Dibenzofuran              | 9.986  | 168  | 1108406  | 41.485 | ng    | 99       |                                  |
| 56) 4-Nitrophenol             | 9.933  | 139  | 272204   | 77.022 | ng    | 98       |                                  |
| 57) 2,4-Dinitrotoluene        | 9.986  | 165  | 259139   | 43.695 | ng    | # 76     |                                  |
| 58) Fluorene                  | 10.327 | 166  | 889234   | 43.293 | ng    | 99       |                                  |
| 59) 2,3,4,6-Tetrachlorophenol | 10.110 | 232  | 242836   | 45.183 | ng    | 99       |                                  |
| 60) Diethylphthalate          | 10.210 | 149  | 999709   | 46.065 | ng    | 99       |                                  |
| 61) 4-Chlorophenyl-phenyle... | 10.322 | 204  | 415092   | 42.070 | ng    | 94       |                                  |
| 62) 4-Nitroaniline            | 10.374 | 138  | 243605   | 45.575 | ng    | 94       |                                  |
| 63) Azobenzene                | 10.480 | 77   | 1034959  | 48.727 | ng    | 96       |                                  |
| 65) 4,6-Dinitro-2-methylph... | 10.404 | 198  | 151894   | 45.970 | ng    | 87       |                                  |
| 66) n-Nitrosodiphenylamine    | 10.445 | 169  | 858701   | 45.594 | ng    | 97       |                                  |
| 67) 4-Bromophenyl-phenylether | 10.810 | 248  | 275212   | 44.481 | ng    | 95       |                                  |
| 68) Hexachlorobenzene         | 10.880 | 284  | 294516   | 46.724 | ng    | 96       |                                  |
| 69) Atrazine                  | 10.980 | 200  | 256022   | 50.521 | ng    | 99       |                                  |
| 70) Pentachlorophenol         | 11.080 | 266  | 238687   | 63.290 | ng    | 97       |                                  |
| 71) Phenanthrene              | 11.298 | 178  | 1329318  | 45.180 | ng    | 98       |                                  |
| 72) Anthracene                | 11.345 | 178  | 1363641  | 45.089 | ng    | 100      |                                  |
| 73) Carbazole                 | 11.510 | 167  | 1317465  | 47.854 | ng    | 100      |                                  |
| 74) Di-n-butylphthalate       | 11.833 | 149  | 1585167  | 48.863 | ng    | 99       |                                  |
| 75) Fluoranthene              | 12.492 | 202  | 1412384  | 46.069 | ng    | 99       |                                  |
| 77) Benzidine                 | 12.616 | 184  | 508765   | 81.023 | ng    | 99       |                                  |
| 78) Pyrene                    | 12.721 | 202  | 1446913  | 49.583 | ng    | 100      |                                  |
| 80) Butylbenzylphthalate      | 13.339 | 149  | 602513   | 58.643 | ng    | 94       |                                  |
| 81) Benzo(a)anthracene        | 13.915 | 228  | 967562   | 48.887 | ng    | 99       |                                  |
| 82) 3,3'-Dichlorobenzidine    | 13.880 | 252  | 249782   | 40.404 | ng    | 99       |                                  |
| 83) Chrysene                  | 13.957 | 228  | 956305   | 48.599 | ng    | 99       |                                  |
| 84) Bis(2-ethylhexyl)phtha... | 13.904 | 149  | 697757   | 66.180 | ng    | 99       |                                  |
| 85) Di-n-octyl phthalate      | 14.515 | 149  | 1043164  | 62.259 | ng    | 100      |                                  |
| 87) Indeno(1,2,3-cd)pyrene    | 16.874 | 276  | 1033050  | 49.630 | ng    | 96       |                                  |
| 88) Benzo(b)fluoranthene      | 14.962 | 252  | 846083   | 49.233 | ng    | # 96     |                                  |
| 89) Benzo(k)fluoranthene      | 14.992 | 252  | 722803   | 42.578 | ng    | # 96     |                                  |
| 90) Benzo(a)pyrene            | 15.327 | 252  | 747788   | 45.629 | ng    | 99       |                                  |
| 91) Dibenzo(a,h)anthracene    | 16.886 | 278  | 847501   | 49.762 | ng    | 99       |                                  |
| 92) Benzo(g,h,i)perylene      | 17.321 | 276  | 884774   | 49.743 | ng    | 98       |                                  |

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

## Manual Integrations

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Quant Time: Oct 04 23:26:55 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Oct 04 17:06:20 2023  
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