

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM032624\  
 Data File : BM044766.D  
 Acq On : 26 Mar 2024 13:29  
 Operator : MA/JU  
 Sample : PB159773BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB159773BS

Manual Integrations  
 APPROVED

Reviewed By :Jagrut  
 Upadhyay  
 03/27/2024

Supervised By :mohammad  
 ahmed  
 03/28/2024

Quant Time: Mar 26 13:56:28 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM031324.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 14 02:28:24 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.687  | 152  | 192425   | 20.000  | ng    | -0.02    |
| 21) Naphthalene-d8            | 10.469 | 136  | 796607   | 20.000  | ng    | -0.02    |
| 39) Acenaphthene-d10          | 14.339 | 164  | 448045   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 17.092 | 188  | 912497   | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12              | 21.297 | 240  | 777184   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 23.539 | 264  | 724855   | 20.000  | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.304  | 112  | 1915244  | 142.906 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.875  | 99   | 2403606  | 139.405 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.851  | 82   | 1460890  | 88.349  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 15.839 | 330  | 770273   | 155.870 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 12.951 | 172  | 2856407  | 87.801  | ng    | -0.02    |
| 79) Terphenyl-d14             | 19.739 | 244  | 4030768  | 90.728  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.275  | 88   | 171571   | 30.457  | ng    | 96       |
| 3) Pyridine                   | 3.663  | 79   | 452583   | 29.052  | ng    | 91       |
| 4) n-Nitrosodimethylamine     | 3.587  | 42   | 310943   | 49.806  | ng    | 81       |
| 6) Aniline                    | 7.028  | 93   | 405522   | 19.858  | ng    | 98       |
| 8) 2-Chlorophenol             | 7.257  | 128  | 684709   | 51.293  | ng    | 99       |
| 9) Benzaldehyde               | 6.846  | 77   | 84727m   | 9.383   | ng    |          |
| 10) Phenol                    | 6.904  | 94   | 860494   | 49.972  | ng    | 94       |
| 11) bis(2-Chloroethyl)ether   | 7.128  | 93   | 626973   | 44.595  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 7.575  | 146  | 667433   | 46.500  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 7.722  | 146  | 686537   | 47.458  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.034  | 146  | 664120   | 48.139  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.940  | 79   | 595318   | 52.518  | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.204  | 45   | 925404m  | 47.475  | ng    |          |
| 17) 2-Methylphenol            | 8.134  | 107  | 563535   | 47.986  | ng    | 97       |
| 18) Hexachloroethane          | 8.739  | 117  | 265186   | 49.586  | ng    | 100      |
| 19) n-Nitroso-di-n-propyla... | 8.504  | 70   | 483607   | 45.928  | ng    | 93       |
| 20) 3+4-Methylphenols         | 8.463  | 107  | 771192   | 48.662  | ng    | 97       |
| 22) Acetophenone              | 8.516  | 105  | 956050   | 45.682  | ng    | # 96     |
| 24) Nitrobenzene              | 8.892  | 77   | 726355   | 44.438  | ng    | 99       |
| 25) Isophorone                | 9.416  | 82   | 1344712  | 47.133  | ng    | 98       |
| 26) 2-Nitrophenol             | 9.592  | 139  | 367359   | 52.084  | ng    | 95       |
| 27) 2,4-Dimethylphenol        | 9.657  | 122  | 503262   | 40.574  | ng    | 96       |
| 28) bis(2-Chloroethoxy)met... | 9.898  | 93   | 814154   | 42.973  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.122 | 162  | 608354   | 51.461  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 10.334 | 180  | 598227   | 47.568  | ng    | 99       |
| 31) Naphthalene               | 10.516 | 128  | 1939679  | 44.367  | ng    | 99       |
| 32) Benzoic acid              | 9.839  | 122  | 467579   | 47.293  | ng    | 96       |
| 33) 4-Chloroaniline           | 10.645 | 127  | 347353   | 18.939  | ng    | 99       |
| 34) Hexachlorobutadiene       | 10.781 | 225  | 337925   | 48.192  | ng    | 99       |
| 35) Caprolactam               | 11.469 | 113  | 206060m  | 54.036  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 11.775 | 107  | 650954   | 50.181  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.139 | 142  | 1287055  | 43.375  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 12.357 | 142  | 1221593  | 44.173  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.510 | 216  | 615320   | 48.395  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.469 | 237  | 574027   | 79.249  | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 12.763 | 196  | 453843   | 52.862  | ng    | 99       |

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|-------------------------------|--------|------|----------|---------|-------|----------|-----|
| 44) 2,4,5-Trichlorophenol     | 12.839 | 196  | 481839   | 47.365  | ng    | #        | 96  |
| 46) 1,1'-Biphenyl             | 13.163 | 154  | 1610322  | 45.954  | ng    |          | 99  |
| 47) 2-Chloronaphthalene       | 13.204 | 162  | 1244543  | 48.028  | ng    |          | 99  |
| 48) 2-Nitroaniline            | 13.427 | 65   | 452538   | 51.470  | ng    |          | 99  |
| 49) Acenaphthylene            | 14.057 | 152  | 2099775  | 49.743  | ng    |          | 100 |
| 50) Dimethylphthalate         | 13.810 | 163  | 1568457  | 46.802  | ng    |          | 100 |
| 51) 2,6-Dinitrotoluene        | 13.939 | 165  | 352008   | 50.440  | ng    |          | 97  |
| 52) Acenaphthene              | 14.404 | 154  | 1164314  | 45.628  | ng    |          | 99  |
| 53) 3-Nitroaniline            | 14.263 | 138  | 307519   | 37.631  | ng    |          | 95  |
| 54) 2,4-Dinitrophenol         | 14.480 | 184  | 419461   | 91.199  | ng    |          | 95  |
| 55) Dibenzofuran              | 14.739 | 168  | 1861394  | 45.961  | ng    |          | 98  |
| 56) 4-Nitrophenol             | 14.586 | 139  | 696332   | 103.753 | ng    |          | 93  |
| 57) 2,4-Dinitrotoluene        | 14.727 | 165  | 483095   | 52.978  | ng    | #        | 90  |
| 58) Fluorene                  | 15.392 | 166  | 1468030  | 46.548  | ng    |          | 99  |
| 59) 2,3,4,6-Tetrachlorophenol | 14.969 | 232  | 393739   | 49.852  | ng    |          | 100 |
| 60) Diethylphthalate          | 15.180 | 149  | 1589049  | 46.840  | ng    |          | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.392 | 204  | 693943   | 45.834  | ng    |          | 99  |
| 62) 4-Nitroaniline            | 15.439 | 138  | 401813m  | 49.223  | ng    |          |     |
| 63) Azobenzene                | 15.686 | 77   | 1601408  | 45.666  | ng    |          | 96  |
| 65) 4,6-Dinitro-2-methylph... | 15.492 | 198  | 265166   | 46.337  | ng    |          | 97  |
| 66) n-Nitrosodiphenylamine    | 15.616 | 169  | 1280827  | 45.038  | ng    |          | 99  |
| 67) 4-Bromophenyl-phenylether | 16.286 | 248  | 423166   | 44.834  | ng    |          | 95  |
| 68) Hexachlorobenzene         | 16.392 | 284  | 499414   | 49.777  | ng    |          | 95  |
| 69) Atrazine                  | 16.580 | 200  | 353255   | 39.751  | ng    |          | 98  |
| 70) Pentachlorophenol         | 16.745 | 266  | 669114   | 92.715  | ng    |          | 98  |
| 71) Phenanthrene              | 17.139 | 178  | 2292365  | 45.459  | ng    |          | 100 |
| 72) Anthracene                | 17.227 | 178  | 2288718  | 45.254  | ng    |          | 100 |
| 73) Carbazole                 | 17.510 | 167  | 2264619  | 47.543  | ng    |          | 99  |
| 74) Di-n-butylphthalate       | 18.074 | 149  | 2764147  | 45.035  | ng    |          | 99  |
| 75) Fluoranthene              | 19.162 | 202  | 2619154  | 46.464  | ng    |          | 98  |
| 77) Benzidine                 | 19.356 | 184  | 567486   | 28.252  | ng    |          | 98  |
| 78) Pyrene                    | 19.527 | 202  | 2751087  | 48.297  | ng    |          | 100 |
| 80) Butylbenzylphthalate      | 20.439 | 149  | 1289644  | 50.236  | ng    |          | 97  |
| 81) Benzo(a)anthracene        | 21.280 | 228  | 2556601  | 47.278  | ng    |          | 99  |
| 82) 3,3'-Dichlorobenzidine    | 21.221 | 252  | 766299   | 41.145  | ng    |          | 99  |
| 83) Chrysene                  | 21.333 | 228  | 2356955  | 45.613  | ng    |          | 99  |
| 84) Bis(2-ethylhexyl)phtha... | 21.221 | 149  | 1731478  | 44.770  | ng    |          | 99  |
| 85) Di-n-octyl phthalate      | 22.109 | 149  | 2992084  | 44.601  | ng    |          | 99  |
| 87) Indeno(1,2,3-cd)pyrene    | 25.821 | 276  | 2465262  | 47.047  | ng    |          | 97  |
| 88) Benzo(b)fluoranthene      | 22.868 | 252  | 2354823  | 55.280  | ng    |          | 99  |
| 89) Benzo(k)fluoranthene      | 22.915 | 252  | 2209645  | 50.458  | ng    |          | 99  |
| 90) Benzo(a)pyrene            | 23.444 | 252  | 2050209  | 49.345  | ng    |          | 99  |
| 91) Dibenzo(a,h)anthracene    | 25.838 | 278  | 2064512  | 46.734  | ng    |          | 97  |
| 92) Benzo(g,h,i)perylene      | 26.515 | 276  | 1982439  | 45.588  | ng    |          | 96  |

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

